Guidelines for the Creation of the

Internal Quality Assurance Cell (IQAC) and Submission of Annual Quality Assurance Report (AQAR) in Accredited Institutions

(Revised in October 2013)

राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission
P. O. Box. No. 1075, Opp: NLSIU, Nagarbhavi, Bangalore - 560 072 India

The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. *(Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)*

Part – A

AQAR for the year *(for example 2013-14)* | 2014-15

1. Details of the Institution

1.1 Name of the Institution | Kalasalingam Academy of Research and Education

1.2 Address Line 1 | Anand Nagar

Address Line 2 | Krishnankoil

City/Town | Srivilliputhur

State | Tamilnadu

Pin Code | 626126

Institution e-mail address | info@kalasalingam.ac.in

Contact Nos. | 04563-289042

Name of the Head of the Institution: | Dr.S.Saravanasankar

Tel. No. with STD Code: | 04563-289042

Mobile:

9965917109

Name of the IQAC Co-ordinator:

Dr.C.Sivapragasam

Mobile:

9894028635

IQAC e-mail address:

iqac@klu.ac.in

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

TNUNGN10150

OR

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/52/A&A/04 dated 28.3.2010

1.5 Website address:

www.kalasalingam.ac.in

Web-link of the AQAR:

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	1st Cycle	1st Cycle	B	2.81	2015
2	2nd Cycle				
3	3rd Cycle				
4	4th Cycle				

1.7 Date of Establishment of IQAC :   DD/MM/YYYY   **26/06/2010**

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

  i. AQAR   10/06/2011
 ii. AQAR   15/07/2012
iii. AQAR   20/11/2013
 iv. AQAR   30/12/2014

1.9 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 ☐

   (RCI and COA)

   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 √

1.10 Type of Faculty/Programme

   Arts √   Science √   Commerce ☐   Law ☐   PEI (Phys Edu) ☐

   TEI (Edu) ☐   Engineering √   Health Science ☐   Management √

   Others   (Specify)   .   B.Ed Special education (SHIP)

1.11 Name of the Affiliating University *(for the Colleges)*   Not applicable

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

   Autonomy by State/Central Govt. / University   **N.A**

University with Potential for Excellence		UGC-CPE	
DST Star Scheme		UGC-CE	
UGC-Special Assistance Programme		DST-FIST	**3**
UGC-Innovative PG programmes		Any other (*Specify*)	
UGC-COP Programmes			

2. IQAC Composition and Activities

2.1 No. of Teachers **14**

2.2 No. of Administrative/Technical staff **2**

2.3 No. of students **2**

2.4 No. of Management representatives **1**

2.5 No. of Alumni **2**

2. 6 No. of any other stakeholder and

   community representatives **1**

2.7 No. of Employers/ Industrialists **2**

2.8 No. of other External Experts **1**

2.9 Total No. of members **24**

2.10 No. of IQAC meetings held **4**

2.11 No. of meetings with various stakeholders: No. **0**   Faculty [ ]

Non-Teaching Staff [ ]   Students **10**   Alumni **4**   Others **0**

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. **1**   International [ ]   National [√]   State [ ]   Institution Level [√]

   (ii) Themes | Role of information communication technology in overall institutional quality development |

2.14 Significant Activities and contributions made by IQAC

   Revision of quality parameters and formulation of quantitative assessment metrics.

   Formulation of industry and alumni industry advisory board.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality

   enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements
Dissemination of information on campus activities by release of IQAC newsletter	The newsletter has been released in every quarter (three months once) and disbursed to all the students by post.
Quality parameters assessment metrics for evaluation of departments	Departments are given rating
Motivation of students to create awareness about the parameters related to them	Through IQAC students' council meeting the students attended in extracurricular and co curricular activities to be increased in the academic year.
Organize orientation programmes for faculty members regarding outcome based education	All the department faculty members are given orientation through internal and external resources persons

Plan of Action	Achievements
NBA Accreditation process for B.Tech BT, CSE and ECE	All the three programmes were accredited by NBA (Tier – I)
Feedback analysis of outgoing students	Has been done and action taken based on that

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

Management ☐   Syndicate √   Any other body ☐

Provide the details of the action taken

The board of management has approved the AQAR and advised to submit to NAAC at the earliest.

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	15	---	15	---
PG	37	---	37	---
UG	19	---	19	---
PG Diploma	---	---	---	---
Advanced Diploma	---	---	---	---
Diploma	---	---	---	---
Certificate	5	---	5	---
Others	5	---	5	---
Total	81	---	81	---

Interdisciplinary				
Innovative				

1.2   (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options
   • Choice based credit system – the student has the freedom to choose the courses of his/her interest – nearly 40 percent of the syllabus

Elective Schemes
- Professional Major Electives
- Professional Minor Electives
- Free Electives
- Self Study Electives
- Humanities Electives

- Full semester project for final year B.Tech students in Industry and Research Laboratories.
- Transparent evaluation system. Early publication of results (within 10 days).
- Summer term courses to clear arrear subjects.
- Semester abroad scheme - MoU with more than 17 foreign Universities.
- Exposure to multi-domain knowledge through free elective and minor elective courses.
- Personality Development, Skill development programs are mandatory for the students to make them as all round engineers – Non CGPA credits.
- Faculty advisory system to the students to cope-up with the academic system for the individual's betterment.

Provision of flexible facilities are:
- Substitution of one elective by another elective.
- Class committee meeting of every class of the B.Tech programme is regularly conducted.
- Make-up examination for the students who miss the examination due to genuine reasons.
- Improvement of grades through Improvement examination
- Students exercising their options for subject teachers.
- Option of performing additional courses for Honor's degree.
- Choosing of elective from PG programme (Honors)

 (ii) Pattern of programmes:

Pattern	Number of programmes
Semester	19 undergraduate programs 37 postgraduate programs
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)

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

S.No	Name of the Department	Update of syllabus	Date and month of revision of syllabi
1.	Bio technology		20.12.2014
2.	Civil Engineering		31.01.2015
3.	Computer Science Engineering		16.12.2014
4.	Electronics and Communication Engineering	Syllabus updated once in every three years	24.01.2015
5.	Electrical and Electronics Engineering		19.01.2015
6.	Electronics and Instrumentation Engineering		24.01.2015
7.	Information Technology		12.01.2015
8.	Mechanical Engineering		05.01.2015
9.	Business Administration		25.03.2015
10.	Physics		30.05.2015

The prominent aspect of this meeting is change in examination pattern from model exam to sessional exam III as per students' feedback.

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

Our University established National Cyber Defense Centre on March 7, 2015 in our campus. The Inauguration Function was presided by Honorable Mr. Justice T.N. Vallinayagam, (Chairman National Cyber Defense Research Centre) and the chief guest for this function was Honorable Mr. Justice C.T.Selvam (Judge Madras High Court, Madurai Bench). Dr. S. Mohan, Former Judge, Supreme Court of India and Chairman-National Cyber Safety and Security Standards, Shri. Dr. G. A. Rajkumar, I.A.S, Chairman, National Executive Committee, National Cyber Safety and Security Standards and Dr. S.Amar Prasad Reddy, Additional Director – General, National Cyber Safety and Security Standards.

The need for introducing cyber security centre in university is follows:
The cyber security challenges in India would increase further and India must be cyber prepared to protect its cyberspace. Need for promoting interactive courses in related to cyber security and interactive research programs in university

NI-KLU Technology Innovation Centre
Our Univeristy established the NI-KLU Technology Innovation Centre on May 15, 2015 in our campus. The Chief Guest for the Function was Shri. Vinoth Mathews, Managing Director and Founder, Captronics Systems Pvt. Ltd., Banglore and Shri. Solaikutty Dhanabal, Country Head-Academic Program Manager, National Instruments, Banglore.

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of
permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
306	**199**	**64**	**43**	

2.2 No. of permanent faculty with Ph.D.   **93**

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
42	-	**9**	-	**4**	-	-	-	**55**	-

2.4 No. of Guest and Visiting faculty and Temporary faculty   -   **42**   -

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	1	5	1
Presented papers	7	29	-
Resource Persons	4	20	10

2.6 Innovative processes adopted by the institution in Teaching and Learning:
Innovative practices introduced to improve the quality of technical education are as follows.

- Software–based assignments
- Regular visit to Industries
- Conducting the mini project contest

2.7 Total No. of actual teaching days   **90 per semester**
      during this academic year

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

1. **Two level security system to ensure the quality of the question paper.**
   a. HoDs and Course Coordinators are asked to check the quality of internal test questions before sending the question papers for photo copying. The question papers are improved based on the comments from HoDs which has resulted in reasonably tough question papers.

2. **External question paper** – Question paper for the end semester will be call for from external experts.

3. **External Question paper Auditing**-End Semester question papers are audited by external academic auditors. Based on the feedback given, faculty members ask detailed questions. Students are made to study the subjects in detail so that they become more knowledgeable. Application oriented questions make students to gain knowledge in design.

4. **Dummy numbering process** – Answer sheets are encoded

5. **External valuation** for End Semester Examinations.

6. Returning the answer papers within 3 days from the last date of periodical tests

7. Preparation of Test Performance Report for analyzing test results and immediate corrective actions

8. Information to the parents about the performance of their wards

9. Automated grading of performance through software for validation purpose

10. Statement of grades issued with students photographs

11. CCTV Security system in COE Office

12. Issuing the transcript on-demand, immediately

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

306		

2.10 Average percentage of attendance of students

94 %

2.11 Course/Programme wise
Distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division			
		%- **Honors**	*%-* **Distinction**	*%-* **First Class**	**Pass** *%*
Biotechnology UG	65	4.62	3.08	60.00	32.31
Civil Engineering UG	238	2.10	2.94	48.74	46.22
Computer Science Engineering UG	242	2.89	3.31	71.49	22.31
Electronics & Communication Engineering UG	256	5.08	6.25	60.16	28.52

Title of the Programme	Total no. of students appeared	Division			
		%- Honors	%- Distinction	%- First Class	Pass %
Electrical & Electronics Engineering UG	94	0.00	4.26	62.77	32.98
Electronics and Instrumentation Engineering UG	49	4.08	2.04	55.10	38.78
Information Technology UG	126	0.00	3.17	61.90	34.92
Mechanical Engineering UG	354	3.39	0.56	57.06	38.98
Computer Science Engineering SHIP	26	0.00	7.69	61.54	30.77
Mechanical Engineering SHIP	28	0.00	7.14	64.29	28.57
Master of Computer Applications PG	36	0.00	16.67	63.89	19.44
Pharmaceutical Biotechnology PG	1	0.00	100.00	0.00	0.00
Biotechnology PG	5	0.00	60.00	40.00	0.00
Chemistry PG	1	0.00	100.00	0.00	0.00
Construction Engineering and Management PG	4	0.00	75.00	25.00	0.00
Environmental Engineering PG	1	0.00	100.00	0.00	0.00
Transportation Engineering and Management PG	1	0.00	100.00	0.00	0.00
Information Assurance and Security PG	1	0.00	100.00	0.00	0.00
Network Engineering PG	4	0.00	100.00	0.00	0.00
Computer Science Engineering PG	13	0.00	46.15	46.15	7.69
Digital Communication and Network Engineering PG	8	0.00	87.50	12.50	0.00
VLSI Design PG	3	0.00	66.67	33.33	0.00
Embedded System Technology PG	9	0.00	55.56	44.44	0.00
Power Electronics and Drives PG	5	0.00	80.00	20.00	0.00
Power Systems Engineering PG	2	0.00	100.00	0.00	0.00
Information Technology PG	8	0.00	50.00	50.00	0.00

Title of the Programme	Total no. of students appeared	Division			
		%- Honors	%- Distinction	%- First Class	Pass %
Master of Business Administration PG	113	0.00	4.42	61.95	33.63
Master of Computer Applications PG	30	0.00	10.00	60.00	30.00
Industrial Safety Engineering PG	19	0.00	63.16	36.84	0.00

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

  * Recommends faculty members for attending FDPs and training programs both through internal and external resource persons.

* Analyses the student feedbacks and gives constructive suggestions to faculty members

* Creates awareness about latest development in teaching learning processes

* Academic auditing is done for faculty members and question paper by external experts

* Half yearly academic auditing is done by internal committee consisting of senior members.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher Courses	65
UGC - Faculty Improvement Programme	85
HRD programmes	170
Orientation programmes	134
Faculty exchange programme	2
Staff training conducted by the university	209
Staff training conducted by other institutions	140
Summer / Winter schools, Workshops, etc.	157
Others	

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	173	-	18	-
Technical Staff	114	-	12	-

Criterion – III

3. Research, Consultancy and Extension

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

- Publication of UG projects in conferences and journals.
- Motivating students for summer fellowship
- Initiative by KLU management to establish International Research Centre
- Promoting faculty research based electives for students
- Sensitizing workshop
- PDA performance appraisal

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	4	15	3	19
Outlay in Rs. Lakhs	249.31	411.57	38.99	270.57

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	2	-	-
Outlay in Rs. Lakhs	2.5	8.74	-	-

3.4 Details on research publications

	International	National	Others
Peer Review Journals	163	36	1
Non-Peer Review Journals	28	19	-
e-Journals	11	8	-
Conference proceedings	103	59	-

3.5 Details on Impact factor of publications:

Range **0.32-8**   Average **0.89**   h-index **37**   Nos. in SCOPUS **130**

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	3-5 years	BRNS, DST, DBT,DST-FIST, CSIR	411.57	207.76
Minor Projects	6 moths – 1 year	TNCST, Central Institute of Tamil	8.74	5.45
Interdisciplinary Projects	-	-	-	-

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students research projects *(other than compulsory by the University)*	-	-	-	-
Any other(IEDC)	1	DST	8	8
Total	-	-	410.31	221.21

3.7 No. of books published   i) With ISBN No. | 2 | Chapters in Edited Books | - |

ii) Without ISBN No. | - |

3.8 No. of University Departments receiving funds from

UGC-SAP | | CAS | | DST-FIST | **3** |

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		7			
Sponsoring agencies					

3.12 No. of faculty served as experts, chairpersons or resource persons | **37** |

3.13 No. of collaborations   International | **21** | National | **3** | Any other | |

3.14 No. of linkages created during this year | **1** |

3.15 Total budget for research for current year in lakhs:

From Funding agency | **209.25** | From Management of University/College | **62.5** |

Total | **271.75** |

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	18
	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
4	2	1	1			

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

84

335

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

36

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

JRF　3　　SRF　4　　Project Fellows　1　　Any other　16

3.21 No. of students Participated in NSS events:

University level　500　　State level

National level　　International level

3.22 No. of students participated in NCC events:

University level　65　　State level

National level　24　　International level

3.23 No. of Awards won in NSS:

University level　6　　State level　2

National level　　International level

3.24 No. of Awards won in NCC:

University level | 24 | State level |

National level | 24 | International level |

3.25 No. of Extension activities organized

University forum | | College forum |

NCC | 6 | NSS | 22 | Any other | 10

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

- Rain Water Harvesting at Sundarapandiam Village and Watrap

- Vermicompousre preparing to demonstration to nearby village

- Familiarization of basic EEE/ECE laboratory experiments to polytechnic students

- Training programme on Basics of Computer for school teachers

- Workshop on PCB design for polytechnic students

- Training program on Basic computer skills and internet for school teachers

- GIS Training and career development for polytechnic students

- Madavarvalagam Siva Temple pond cleaning done by KLU students

- Creating awareness on disability and rehabilitation for school students and teachers

- Nature Club organized cycle rally from our university to Watrap on World Zero Emission Day

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	100 Acres	-	-	100 Acres
Class rooms	134	-		134
Laboratories	74	2		76
Seminar Halls	6	3		9
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	-	114		114
Value of the equipment purchased during the year (Rs. in Lakhs)	-	415.7		415.7
Others				

4.2 Computerization of administration and library

Library functions have been automated and circulation of reading materials is done using 'MODERNLIB' software

4.3   Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	67,277	6,20,55,136.58	2388	17,33,894.00	69,655	6,37,89,030.58
Reference Books	4,676	50,30,292.57	364	10,76,022.00	5,040	61,06,314.57
e-Books	-	-	937	9,88,970.00	937	9,88,970.00
Journals	114 (For 2014)	2,18,712.00	238(For 2015)	6,90,351.00	238(For 2015)	6,90,351.00
e-Journals & Digital Database	204 (For 2014)	6,26,860	267 (For 2015)	8,06,009.00	267 (For 2015)	8,06,009.00
CD & Video	5483	1,08,397	2	24,000	5485	1,32,397
Others (specify)	-	-	-	-	-	-

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart -ments	Others
Existing	1661	15	124Mbps	1	1		15	-
Added	220	2	22 Mbps	1	-	-	-	-
Total	1881	17	146Mbps	2	1		15	-

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

> Kalasalingam University has Campus Wide Networking facility connecting all the academic blocks and hostels through optical fibres. Kalasalingam University Campus is WiFi enabled and all academic blocks and hostels are installed with access points for WiFi access. Internet facilities is available on 24/7 basis through 146 Mbps internet bandwidth. Kalasalingam University is also connected to National Knowledge Network (NKN) through 1 Gbps connectivity.
>
> Teachers and students are given training on "Google Applications" during 2014-15. All the academic and examination activities are fully computerized through the internally developed software package.

4.6 Amount spent on maintenance in lakhs :

i)   ICT | 3 |

ii) Campus Infrastructure and facilities | 1840 |

iii) Equipments | 462 |

iv) Others | 130 |

Total: | 2435 |

Criterion – V
5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

Faculty Advisory System has been brought under the purview of IQAC through which the faculty advisors are guided to create awareness amongst students to improve performance in IQAC quality parameter metrics concerning students' activities.

Hostel modernization

5.2 Efforts made by the institution for tracking the progression

MoU with Almaconnect to strengthen alumni network and induce participation of alumni in university activities.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
3786	610	260	-

(b) No. of students outside the state

236

(c) No. of international students

-

Men

No	%
3169	68.03

Women

No	%
1487	31.9

Last Year (2013-14)						This Year (2014-15)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
473	206	-	3977	-	4656	456	233	6	3957	-	4652

Demand ratio -   Dropout 0.08 %

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

> Our University has organized inauguration function for IAS Academy of Kalasalingam University on 19th Feb. 2015 coordinated by Dr. V. Irai Anbu, Principal Secretary, Govt. of Tamil Nadu
>
> A separate university level cell is there for GATE coaching which conduct frequent meeting with students to sort out their difficulties.

No. of students beneficiaries | 10 |

5.5 No. of students qualified in these examinations

NET | | SET/SLET | | GATE | 4 | CAT | |

IAS/IPS etc | | State PSC | | UPSC | | Others | 25 |

5.6 Details of student counselling and career guidance

- External Counselling by Mr.X.P.White

- Verbal Ability - Quantitative aptitude, Logical, Verbal, Group Discussion and Personal Interview.

- Linguistic Intelligent (LI), Vedic Maths, Goal Setting, Presentation Skills, Team Work, Reasoning & Study Technique

No. of students benefitted | 490 |

5.7 Details of campus placement (2014-2015)

On campus			Off campus
Number of organizations visited	Number of students Participated	Number of students Placed	Number of students Placed
TATA Consultancy Services	600	20	-
Maventic Innovative Solutions	222	0	-
Vernalis	26	-	0
Savvy Soft Technologies	667	154	-
Mphasis	58	-	1
Visionary RCM	56	41	-
Trust RCM	55	6	-
Vernalis	230	18	-
Retailon	210	0	-
Indian Navy	102	-	-
Polaris Financial Technology	382	294	-

On campus			Off campus
Number of organizations visited	Number of students Participated	Number of students Placed	Number of students Placed
Sanmar Group	65	-	0
SRM Technologies	58	1	-
Cease Fire	126	5	-
SRM Technologies	10	0	-
Relaince ADA	25	15	-
Relaince ADA	142	115	-
Yogam BPO	44	1	-
Cadence AMS Design India	55	-	0
Indoshell Mould	120	3	-
Maveric Systems	175	-	5
Athenahealth Technology	68	-	0
Solvar Minds	61	-	0
Umaa Engineering	85	10	-
Multi vista global	62	7	-
Coramandel Electronics	95	10	-
Matrix Power Control	75	7	-
Bright Metal Finishers	128	9	-
Andromeda	268	63	-
Harvest Futures	224	54	-
Impiger Technologies	37	-	0
Vuram technology	17	-	1
Green Building Academy, Dubai	92	4	-
VDart Software Services	352	19	-
Soft Solutions4U	130	2	-
HCL BServ, Chennai	210	1	-
HCL Technologies	343	7	-
Wipro Technologies,	21	-	0
A&T Video Networks	88	2	-
MaxIT Global Solutions	187	35	-
TATA Consultancy Services	230	-	0
Polaris Financial Technology	24	5	-
Mphasis	185	-	1
Zealous Services	170	103	-
Tessolve Semi Conductor	31	-	0
Sterna Security Devices	58	-	28
Soft Square	127	5	-
Zifo Technologies	8	-	2
IVTL Infoview Technologies	51	8	-

On campus			Off campus
Number of organizations visited	**Number of students Participated**	**Number of students Placed**	**Number of students Placed**
Indian Association for the Blind	40	15	-
Magus Customer Dialog	172	52	-
TNQ Books and Journals	108	17	-
VEE Technologies	146	8	-
Indus Teqsite (Data Patterns)	144	0	-
Sutherland Global Services	187	8	-
FourBends	1	-	1
AIRMAASTER TECNOLOZIES	32	5	-
Bright Auto Plast	107	13	-
Abhijeet Arihant Autoplast	69	5	-
Gemini Communication	72	24	-
Just Connect Electrical	64	16	-
Allsec Technologies	139	.	-
Ramind Cold Forge	96	5	-
Glenwood Systems	57	11	-
Focus Academy for Career Enhancement	64	14	-
Lycatel	132	58	-
Hexaware Technologies	190	6	-
Ernst & Young Services Pvt. Ltd	21	2	-
Virtual Instrumentation & Software Applications	18	-	-
ChargeBee Technologies PVT Ltd	185	0	-
FourBends	45	6	-
Mapal India Pvt. Ltd.,	79	0	-
Integral Component Manufacturers Private	40	-	19
Rajshriya Automotive	15	-	6
Apptivo	14	-	3
CTSIT	28	-	6
ServCentre, Chennai	17	5	-
Total		**1294**	**73**

5.8 Details of gender sensitization programmes

> • Save women from Cancer conducted on October 9, 2014 by
>
> Mrs.S.Sridevi
> Central Bureau of Investigation Training Academy
> Ghaziabad
> Uttar Pradesh
>
> • Women Empowerment Program conducted on January 7, 2015 by
>
> Dr.N.Murugeswari
> Professor and Director
> Public Relations Officer
> Department of Women Studies
> Bharathidasan University
> Trichy

5.9 Students Activities

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

       State/ University level   **133**   National level   International level

       No. of students participated in cultural events

       State/ University level   **32**   National level   International level

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

   Sports: State/ University level   **52**   National level   **1**   International level

   Cultural: State/ University level   **7**   National level   International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	96	7,76,000.00
Financial support from government	96	20,10,595.00
Financial support from other sources		
Number of students who received International/ National recognitions		

5.11   Student organised / initiatives

Fairs   : State/ University level [   ]   National level [**8**]   International level [   ]

Exhibition: State/ University level [   ]   National level [**1**]   International level [   ]

5.12   No. of social initiatives undertaken by the students   [**36**]

5.13 Major grievances of students (if any) redressed:

• Model exam replaced by Sessional exam III with respect to student request
• Two new canteens including (Malgudi Cafeteria) was opened
• Hostel food menu was changes and improvised as per student request
• Provision of attached restroom has been done.
• Additional air conditioned accommodation in hostel.

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

> **Vision**
> To be a Centre of Excellence of International Repute in Education and Research.
> **Mission**
> To Produce Technically Competent, Socially Committed Technocrats and Administrators through Quality Education and Research.

6.2 Does the Institution has a management Information System

- SIS (Student Information System)
- EASY(Exam Administration System)
- OCPS (Online Course Registration System)
- AIMS

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

6.3.1 Curriculum Development

Engineering programs require comprehensive and flexible curriculum designs that provide the student with adequate knowledge for the new context. It involves mechanisms to read trends (local, regional and global) and understand the dynamics that occur in the relationship among industry, society and academia on the basis of the identification of needs, shortages and demands of the communities.

One credit course: 20 hours course given to university students. On successful completion of 3 one credit course equivalent to 3 credit courses offered under CBCS.

Lab with projects: In every semester student will undergo three laboratory courses in which student has been insisted to carry out a small project with the help of any one of the laboratory equipments related to real time scenario.

Theory with Practical components: Faculties are insisted to use practical components related to corresponding theory courses to make understand of complexities and to create exposure towards students.

6.3.2 Teaching and Learning

Online courses Massive Open Online Course (MOOC) offered by university to cater the international level certifications for students.

NPTEL : NPTEL (National Programme on Technology Enhanced Learning) is a joint initiative of the IITs and IISc. Through this initiative, we offer online courses and certification in various topics. Our university is one of the regional centre for NPTEL courses.

6.3.3 Examination and Evaluation

1. External Question paper Setting
2. External Question paper Auditing
3. External Valuation
4. Dummy Numbering

6.3.4 Research and Development

> The university is encouraging full time research scholars by providing University Research Fellowship (Rs.12000 per month)
>
> The university insists minimum of three publications in SCOPUS indexed journals with at least one in SCI journal with Impact factor for thesis submission.

6.3.5 Library, ICT and physical infrastructure / instrumentation

> E- Library – For accessing the e-resources subscribed in our institutions number of computer systems is increased in the E-library section.
>
> Media Resource Centre (MRC) – For accessing the media resources such as CD, DVD, Audio Cassettes, Video Cassettes, VCDs etc a Media Resource Centre has been created
>
> Resource Cell for competitive examination – A separate resource cell has been created with 1200 books for competitive examinations conducted by UPSC, TNPSC, SSC, RRB, Banking. Also resources available for GATE, GMAT, GRE, TOEFL etc.
>
> Video Conferencing Facility – Well furnished video conferencing facility has been created.

6.3.6 Human Resource Management

- Performance appraisal review for faculty members as per UGC format

- Faculty Development Programme on Computational Approaches in Biotechnology Research

- Faculty Development Programme on Soil and Foundation Engineering
- A Guest Lecture on The Age of Big Data
- Junior Faculty Teaching Skill Development Programme
- A Guest Lecture on "Discipline, Time/Work Place Management, Improving Self Confidence and Quality in Life through 5S Concepts"
- A Guest Lecture on "Personal Financial Planning and Investor Awareness Programme"
- IBM Training Program on Rational Suite-Enterprise/Rational Software Architect
- A Guest Lecture on "Cucurbituril Based Nanomaterials and their Biological Applications"
- One Week Faculty Development Programme on Thrust Areas of Cutting-Edge Research
- Motivation Programme: An Energizing Camp
- Faculty Development Programme on Mobile Application Development
- Five Days Faculty Development Programme on Advanced Networking and Cloud Computing
- Bloom Taxonomy - "Effective Teaching Methodology"
- Faculty Development Programme on Software Tools for Design and Analysis of Electrical Systems
- Presentation on "My Invention" (Celebration of Technical Knowledge)
- Six Days Faculty Development Programme on Theory of NP-Completeness
- Faculty Development Programme on Soft Computing and its Applications
- The "Unakkulley Nee(Yoga -Way to Success)

- Faculty Training Programme on Google Apps for Education
- Faculty Training Programme on Cloud Infrastructure & Services

6.3.7 Faculty and Staff recruitment

- Faculty and staff recruitment made by inviting subject experts from other universities and appointment is made through staff selection committee. Candidates are selected on merit basis.

6.3.8 Industry Interaction / Collaboration

1. MoU with TAFE
2. Cracow University, Poland
3. Sheshasayee Papers Pvt. Ltd., Tirunelveli
4. Dakshin Academy, Madurai
5. KOREATECH - Korean University of Technology and Education, South Korea
6. University of Sannio, Benevento, Italy
7. Tessolve Semiconductor, Bangalore

6.3.9 Admission of Students

Admission process was done through Kalasalingam University engineering entrance exam/(KLUEEE).

JEE spot admission for merit students

The candidates were admitted on merit basis.

6.4 Welfare schemes for

Teaching	CL, Medical leave and Maternity leave, PF
Non teaching	CL, Medical leave (except PF), Insurance and pension scheme
Students	Education loan facilities by bank MOUs

6.5 Total corpus fund generated   **5 Crores**

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	Experts from other institutes / industrial persons	Yes	Senior faculties in the university nominated by Dean Academic.
Administrative	--		--	

6.8 Does the University/ Autonomous College declares results within 30 days? **Within 10 days after the end of examinations**

For UG Programmes   Yes │ √ │ No │   │

For PG Programmes   Yes │ √ │ No │   │

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

Various activities of the Controller of Examination Office that include:

1. Schedule of Examinations and Academic calendar and other information related to the conduct of examinations are published in the university website.
2. Preparing Examination schedule for end semester examinations with for both theory and laboratory courses one month in advance (in discussion with the department)
3. Preparing
    a) Seating arrangements prior to the exams
    b) The attendance sheet
    c) Invigilator schedule
4. Collecting the panel of examiners for Question paper setting and Evaluation
5. Question paper scrutiny by a team of External faculty members from reputed institutions
6. Centralized End Semester valuation
7. Restricted access to COE office ensures the discretion in data storage and handling- CCTV Camera installed
8. Uninterrupted Power Supply
9. Good Printing and reprographic facilities
10. Rack Server facilities for data storage and safety with backup

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

Activities (2014-2015)
Guest lecture: **(A sample list)**

1. Guest lecture on the topic "Current Trends in Instrumentation in Process Industries" on 29.03.14. Invite guest our alumni Mr.R.Kathikeyan, (2010, ICE) Maintenance Engineer, Alkaline Chemical ltd,Tuticorin.

2. Department of Information technology conducting one day Guest lecturer on the "Mainframe in Computers and its applications" on 16.8.14. Invited guest or alumni Mrs. Shermony (2008 IT), IBM Chennai.

3. Guest lecture organized by EIE dept on the topic "Placement preparation for IT Companies on 01.09.2014. Guest Ms.Sriragavi Priyadharshini(2012),HCL, Bangalore.

4. Guest lecturer on "Image processing" on 12.09.2014 organized by ICE dept. Our alumni guest: Dr.P.Vasuki,(2001) KLNCT, Madurai

5. Guest lecture on the topic "Power plant Instrumentation" on 01.10.2014, invite our alumni guest Mr. A. Ganeshkumar(2008)

6. Guest lecture on "Medical Imaging" on 07.01.2015. Alumni guest Dr.P.Vasuki,SeniorProf, ECE, KLN college of Information Technology(1999-2001M.E.CSE)

7. Guest lecture on "Smart plan Instruments" on 12.02.2015. Alumni guest Mr. Alkaf Ali(2010-ICE,AKCE), Instrument Design Engineer, Rotary Engg Limited, Singapore

8. Guest lecturer on Electrical Drives" on 6th & 7th April 2015. Alumni Guest: Mr. Mugunthan Sivalingam(1997), Senior Application Engineer, Oil&Gas GE-Power Conversation. Alumni Guest:Mr.X.Felix Joseph, (1996), Associate Prof, Noorul Islam University

   Workshop: **(A sample list)**

1. Financial support to conduct two days workshop on "Role of Information communication Technology" (Green cloud-green data-green networking) in overall Institutional Quality Development on 4th & 5th July 2014. Organized by IQAC office, KLU

2. One day international lever workshop on "Composite Materials" on 14th Nov,2014 organized by International Research Centre and Centre for Composite Materials (CCM-KLU) in association with dept of Mechanical engineering

3. One day workshop on "Android Development" on Sep, 5th 2014. Invited our alumni guest: Mr.Sathish(2011), Info Gem Web Solutions, Chennai

National / International Conference: **(A sample list)**

1. National conference on "Advancement in Materials, Construction and Sustainable Environment" on 29.03.2014 organize by Dept. of Civil Engineering

2. Financial support for the 4th national conference on "intelligent Computing in Communication & Automation" NCICCA2014 on 2nd April 2014

3. National conference on "Advancement in Materials, Construction and Sustainable Environment" on 29.03.2014. Invite our alumni guest Mr.PT.Mohan(1996),Project Director, National highway authority of India

4. 2nd International Conference on Advancements & Future trends in VLSI Design" on 26th September organized by ECE dept.

5. One day National Conference on "Inventive Materials & Techniques in Civil Engineering" on 24.03.2015 by Civil dept. Guest: Er.R.Sudeesh (1995), Senior Project Manager, Gammon India Pvt ltd, Chennai

6. 6th National Conference on "Intelligent Techniques in Control, Optimization and Signal Processing-INCOS15" on 26 & 27.03.2015 organized by IEEE Student Branch. Guest on 26.03.15: Dr.S.S.Vinsly (1998-B.E.,EEE), Principal, LMCET, Marthandam & Dr.K.Punitha (2006-M.E. Embedded System), HOD/EEE, PSRR Engg College, Sivakasi, and 27.03.15 Guest: Mr.P.Duraipandy (2006 CSE) Asst. Prof, Velammal College of Engineering, Madurai

7. 4th National Conference on Advanced Functional Materials and Application (NCAFMA-2015) organized by dept. of Chemistry jointly with International Research Centre (IRC) during 02 – 03.04.2015

National / International level technical symposium: **(A sample list)**

1. National level technical symposium "EUPHEMOZ" and also guest lecture on the topic "PLC, SCADA and DCS" on 26.09.2014 organized by EIE Dept. Guest Mr.B.Mohan (1991), Head south division, Yakogawa Pvt Ltd, Chennai.

2. National level technical symposium "WATTS ON 2K14" on 10.10.2014. Invite our alumni guest: Mr.M.Karthikeyan, Assistant Engineer Manager, Engineering Design and Research Centre, L & T Construction, Chennai.

3. National level technical symposium conducted by IT dept, INFOSPARKS2k15 on 24.02.15. Alumni guest Mr.Suprotik Das (2010-2014-IT) Senior Consultant, Amazon

4. ENIAC'15 a National Technical Symposium on 13.03.2015 organized by ECE dept. Guest: Mr. R.Balachandar (2012), Skilling Engineer & Trainer, I-Grandee Software, Madurai.

Others: **(A sample list)**

1. Sponsorship for printing the file for Transfer Certificate for alumni students

2. ECE department conducted the ECE Milestone (2013-14) release function & Young Scientist award 2014 ECE-KLU on 2nd April 2014. Invite guest our alumni Mr.B.Subash Chandran, Database lead, Relevance lab, Bangalore

3. Silver jubilee function held on 22nd July 2014 in our campus. (For 1989 batch)

4. Civil Engineering Department organizes the Association Inauguration on 21.08.2014. Invite guest our Alumni guest Mr.Ramakrishna(1991),Director,MAX Pvt. Ltd, Madurai. & Dr.G.Baskar(1989),Prof, of Civil Dept. SRM University, Chennai.

5. Inauguration function organized by EEE Dept on 23.08.2014 Guest Mr. M. Nagarajan & Alumni guest Mr.B. Sahadevan (1999), Chief Estimator, Amana Construction & Steel Building LP, UAE.

6. Auditing and Renewal fees for the year 2013-14

7. Fifth convocation held on 25.09.2014 at our university campus.

8. Passport size photo taken for final year UG & PG students for the purpose of preparing alumni information hand book & degree certificate purpose from 13.10.2014 to 18.10.2014

9. As per UGC directions, to celebrate the former deputy prime minister Sri. Sardar Vallapai Patel Ji's birthday falls on 31.10.2014

10. Our Alumni association has organized "Annual Alumni Day Meet Program" on 27.12.2014 at our campus more than 75 alumni members participated in this program

11. Alumni Diary Sent to distinguished alumni members on January first Week

12. Our alumni association has planned and created a new website in the name of 'http:/kalasalingam.ac.in/almaconnect.html"

13. To print the Alumni Information Hand book 2013-14 and distributed to all the departments.

Financial Support from alumni association (2014-2105)

S.No	Date	Name of the Department	Remarks	Amount
1.	20.08.2014	CIVIL	Civil Engineering Depatment organize the Association Inauguration on 21.08.2014. Alumni guest Mr.Ramakrishna(1991), Director, MAX Properties Pvt. Ltd, Madurai & Dr.G.Baskar(1989), Prof, of Civil Dept. SRM University, Chennai.	7500
2.	24.03.2015		One day National Conference on "Inventive Materials & Techniques in Civil Enginnering" on 24.03.2015 by Civil dept Guest: Er.R.Sudeesh(1995), Senior Project Manager, Gammon India Pvt ltd, Chennai	7500
3.	07.01.2015	CSE	Guest lecture on "Medical Imaging" on 07.01.2015. Alumni guest Dr.P.Vasuki, (2001M.E.CSE) SeniorProf, ECE, KLN college of Information Technology	3000
4.	19.09.2014	ECE	2nd International Conference on Advancements & Future trends in VLSI Design" on 26th September	5000

S.No	Date	Name of the Department	Remarks	Amount
5.	13.03.2015		ENIAC'15 National Technical Symposium on 13.03.2015. Guest: Mr. R.Balachandar (2012), Skilling Engineer & Trainer, I-Grandee Software,Madurai	4000
6.	27.08.2014	EEE	Innaguration function organized by EEE Dept on 23.08.2014. Invite our alumni guest Mr.B. Sahadevan (1999), Chief Estimator, Amana Construction & Steel Building LP, UAE. sahabala@gmail.com	5000
7.	10.11.2014		National level technical symposium "WATTS ON 2K14" on 10.10.2014. invite our alumni guest: Mr.M.Karthikeyan, Assistant Engineer Manager, Engineering Design and Research Centre, L & T Construction, Chennai.(M.Tech EST 2009)	2860
8.	06.04.2015 & 07.04.2015		Guest lecturer on Electrical Drives" on 6th & 7th April 2015. Alumni Guest: Mr. Mugunthan Sivalingam(1997), Senior Application Engineer, Oil&Gas GE-Power Conversation. Alumni Guest:Mr.X.Felix Joseph, (1996), Associate Prof, Noorul Islam University	5000
9.	19.09.2014		Guest lecture on the topic "Placement preparation for IT Companies on 01.09.2014. Guest Ms.Sriragavi Priyadharshini(2012),HCL, Bangalore.	4000
10.	19.09.2014		Guest lecturer on "Image processing" on 12.09.2014. Dr.P.Vasuki,(2001),Madurai	4440
11.	31.10.2014	EIE	National level technical symposium "EUPHEMOZ"& guest lecture on the topic "PLC, SCADA and DCS" on 26.09.2014. Guest Mr.B.Mohan (1991), Head south division, Yakogawa Pvt Ltd, Chennai.	7580
12.	09.12.2014		Guest lecturer on the topic"Power plant Instrumentation" on 01.10.2014. Mr. A. Ganeshkumar(2008)	2500
13.	12.02.2015		Guest lecture on "Smartplan Instruments" on 12.02.2015. Mr. Alkaf Ali(2010), Instrument Design Engineer, Rotary Engg Limited, Singapore	4488
14.	27.08.2014	IT	Department of Information technology conducting one day Guest lecturer on the"Mainframe in Copmuters and its applications" on 16.8.14. Invited guest or alumni Mrs. Shermony (2008 IT), IBM Chennai.	3355
15.	10.11.2014		One day workshop on "Android Development" on Sep, 5th 2014. Invited our alumni guest: Mr.Sathish(2011), InfoGem Web Solutions, Chennai	5000

S.No	Date	Name of the Department	Remarks	Amount
16.	24.02.15		National level technical symposium conducted by IT dept, INFOSPARKS2k15 on 24.02.15. Alumni guest Mr.Suprotik Das (2010-2014-IT) Senior Consultant, Amazon	4890
17.	16.08.2014	MECH	Financial support to conduct two days workshop on "Role of Information communication Technology" (Green cloud-green data-green networking) in overall Institutional Quality Development on 4th & 5th July 2014.	5000
18.	10.11.2014		One day international lever workshop on "Composite Materials" on 14th Nov,2014 organized by International Reasearch Centre and Centre for Composite Materials (CCM-KLU) in association with dept of Mechanical engineering	10000
19.	02.04.2015 & 03.04.2015	Chemistry	4th National Conference on Advanced Functional Materials and Application (NCAFMA-2015) organized by dept. of Chemistry jointly with International Research Centre (IRC) on 02 - 03.04.2015	10000
20.	26.03.2015 & 27.03.2015	IEEE	6th National Conference on "Intelligent Techniques in Control, Optimization and Signal Processing-INCOS15" on 26 & 27.03.2015. Guest on 26.03.15: Dr.S.S.Vinsly(1998-B.E.,EEE), Principal, LMCET, Marthandam & Dr.K.Punitha (2006-M.E. Embedded System), HOD/EEE, PSRR Engg College, Sivakasi, and 27.03.15 Guest: Mr.P.Duraipandy (2006 CSE) Asst. Prof, Velammal College of Engineering, Madurai	5000
21.	27.08.2014		Auditing and Renewal fees for the year 2013-14	6500
22.	05.09.2014		Website maintenance and renewal charge	3000
23.	05.09.2014		Expenses for Fifth Convocation held on 25.09.2014	417641
24.	18.10.2014	OTHERS	Advance amount for student's passport size photo session – I, taken for our information hand book & degree certificate purpose from 13.10.2014 to 18.10.2014.	6000
25.	31.10.2014		As per UGC directions, to celebrate The former deputy prime minister Sri. Sardar Vallapai Patel Ji's birthday falls on 31.10.2014	5000
26.	27.12.2014		Annual Alumni Day Meet Program	147917
27.	22.01.2015		Almaconnect website create and maintenance charge	50000
32.	07.04.2015		To print Alumni Information handbook 2013-2014	11000
			Total	**7,53,171**

6.12 Activities and support from the Parent – Teacher Association

a) Activities of PTA

S. No.	Beneficiary Dept.	Purpose	Amount paid
1	Information Technology	PTA Meeting	4,440
2	Electronics and Communication Engineering	PTA Meeting	7,103
3	Biotechnology	PTA Meeting	3,725
4	I year B.Tech	PTA Meeting	4,402
5	MBA & BBA	PTA Meeting	4,460
6	Civil Engineering	PTA Meeting	6,850
7	I year B.Tech	PTA Meeting	7,500
8	Computer Science Engineering	PTA Meeting	6,380
9	Mechanical Engineering	PTA Meeting	7,114
10	B.Arch	PTA Meeting	500
11	Computer Application, BCA, B.Sc(CS&IT)	PTA Meeting	2,510
12	Civil Engineering	PTA Meeting	5,000
		Total	**59,984.00**

b) Support from PTA:

S. No.	Beneficiary Dept.	Purpose	Amount paid
1	AKCE-KLU Alumni Association	KLU- Convocation 25-09-2014	2,58,610
2	Kalasalingam University	Merit Scholar Ship	11,050
3	Kalasalingam University	Merit Scholar Ship Lunch KLU MH II	4,200
4	Kalasalingam University	Merit Scholar Ship	7,584
5	Information Technology	National Conference NCACT'15	5,000
6	Civil Engineering	National Conference IMTCE-2015	5,000
7	Electronics and Communication Engineering	National Conference ENIAC'15	5,000
8	Mechanical Engineering	National Conference NCRAMMM2015	5,000

S. No.	Beneficiary Dept.	Purpose	Amount paid
9	Centre for Composite Materials	Indo-Brazil Bilateral One day Workshop (RIM-15)	5,000
10	Chemistry	National Conference NCAFMA -2015	5,000
11	Manufacturing	National Conference (RAM-15)	5,000
12	IEEE	National Conference INCOS'15	5,000
13	Biotechnology	National Symposium ORIGENE'15	5,000
14	CSE	Cyber Forensics Security Lab Book Materials	85,477
15	Kalasalingam University	Sardar Vailabhbhai Patel Birthday	5,000
16	Kalasalingam University	Rank Holders List	62,370
17	Mechanical Engineering	One day International Workshop on Composite Materials 14November 2015	5,000
18	KLU Staff	ID Card	1,456
19	Biotechnology	Workshop Molecular Modelling and Drug Design	5,000
20	Physics	Changing scenario on Materials Research 8to 12 June 2015	5,000
		Total	**2,37,137.00**

6.13 Development programmes for support staff

> Periodically conducting the development programmes like Computer Skill, Google Apps, etc., for the supporting staffs.

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

> 1. CSE Dept. NSS volunteers organized the "Go Green Save the Nature" Programme
> 2. Biotech NSS volunteers organized Campus Cleaning Programme inside the KLU campus
> 3. CSE Dept organized a Tree Plantation programme inside the KLU 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.

> 1. Academic reforms
>
> 2. IQAC quantitative metric analysis and department ranking

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

Plan of Action	Action Taken Report (ATR)
Dissemination of information on campus activities by release of IQAC newsletter	(a) Design of forms for collecting information on various activities/events (b) Compilation of information on a weekly basis and cross confirmation by department heads. (c) Placing the content of newsletter in quarterly IQAC quarterly meeting for approval. (d) Printing and release of newsletter
Quality parameters assessment metrics for evaluation of departments	(a) Formulation of quantitative assessment procedure (b) Workshop to HODs to create awareness on the above. (c) Training to cell program coordinators. (d) Discussion on quarterly assessment with respect to department targets in IQAC meetings (e) Ranking of department at the end of IV quarter
Organize orientation programmes for faculty members regarding outcome based education	(a) Workshop on outcome based education. (b) Formulation of vision/Mission/PEOs/POs by all departments.
NBA Accreditation process for B.Tech BT, CSE and ECE	(a) Identification of potential departments for NBA Tier-I accreditation. (b) Training the faculty and guidance on preparing NBA-SAR (c) Arranging internal audit and external audit for assessing NBA preparation.
Feedback analysis of outgoing students	(a) Design of feedback forms under various criteria (b) Obtaining feedback during convocation (c) Analysis of feedback of UG/PG for all department wise and conclude.

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

Best Practice – I

1. **Title of the Practice**

   Integrated Overall Skill Development through Non-CGPA Courses

2. **Objectives of the Practices**

   The primary objective of this practice is to provide a platform for students to excel in their activities outside the academic curriculum. The non-CGPA courses include in-plant training, industry lectures, soft skills, international certifications, co-curricular activities, extra-curricular activities extra-curricular activities, sports, NCC, NSS, international proficiency exams like TOEFL, GRE, CAT, GMAT, GATE and learning foreign languages like German, Romanian, Korean etc. These non-CGPA courses help students to get good industry exposure, gain soft skills and become eligible for higher studies in India/abroad.

3. **The Context**

   The scenario in higher education worldwide is changing from conventional output based education to outcome based education wherein a student is expected to possess certain attributes at the time of graduation as prescribed by NBA (called Graduate Attributes). These include aspects covering academia (quality as engineers and researchers), contribution to society and community (engineer and society; environment and sustainability) and employability (ethics; individual and team work; communication; project management; lifelong learning). The non-CGPA courses are so designed that it can cater to the needs of employability and contribution to society and community so that the students are better prepared to face the ever increasing challenges in the corporate sector.

4. **The Practice**

   The non-CGPA courses are classified into 4 major groups. Each student has to mandatorily take atleast one course from each group and a total of 6 courses (18 credits) to qualify for non-CGPA requirements. Group – I courses include Industrial Training (students are exposed to various processes/technologies adopted in the industry), Advanced Industrial Training (besides exposure to processes/technologies; specification of equipments/tools student was trained in; alternatives available for the processes/services based on literature review and discussion with industrial experts; advanced technologies available for specific domain and special focus on testing/quality/safety/maintenance/environmental issues etc) and Industrial lectures by experts from industries (minimum 6). Both the industrial training is of 2 weeks duration.

   Group-II courses include soft skill training (personality grooming and communication skills; analytical and problem solving skills and presentation skills/GD/interview skills – all these are

planned over a span of 3.5 years), international certification courses (IBM certifications, MySQL, LabView from NI etc), co-curricular activities (any three out of the following four options viz., professional society membership and participation in activities; paper presentation/publication; value-added courses and mini-projects/model development).

Group-III courses include sports (minimum 40 hours with 80% attendance), National Cadet Corps (with a common syllabus for all the 4 years of UG consisting of national integration; drill; weapon training; leadership; disaster management; social service; health and hygiene; adventure activities; environmental and ecology; self defense and posture training – all of which are covered in the regular 40 parades and in special classes), National Service Scheme (a student should have put 240 hours in a period of 2 years which includes orientation course, campus work and community service contributing 60 hours per semester; in addition, one annual special camp), extra-curricular activities (includes as activities as prescribed by departments/clubs which include photography, music, dance, literature club, quiz club, nature club etc).

Group-IV courses include English proficiency certification (BEC; TOEFL; IELTS), Aptitude proficiency certification (GRE; GMAT; GATE; CAT; NAC-Tech; TANCET) and other languages (foreign language; Hindi etc).

The non-CGPA course at Kalasalingam University is integrated as a mandatory part of B.Tech Curriculum and is therefore unique in the context of Indian higher education.

Sl. No	Group	Category	Minimum Credit Requirement
1	Group I	Industrial Training	3
2		Advanced Industrial Training	
3		Industrial Lectures	
4	Group II	Soft Skills	3
5		International Certification	
6		Co-curricular Activities	
7	Group III	Sports	3
8		NCC	
9		NSS	
10		Extracurricular Activities	
11	Group IV	English Proficiency Certification	3
12		Aptitude Proficiency Certification	
13		Foreign Languages	
		Total	**18**

5. **Evidence of Success**

Since, non-CGPA is mandatory for all the students to be eligible for getting their degree, it has 100% success. Besides, the feedbacks from the recruiters visiting the campus have been very encouraging on the performance of our students in communication skills, presentation skills etc.

6. **Problems Encountered and Resources Required**

The main problem is for the student to plan and manage time to complete the 18 credits on time, particularly in foreign languages category. The university has trainers of Korean and Romanian languages present in the campus offering language courses. In general, the University is creating all the possible avenues and offering all supports required for timely completion of the course.

Best Practice – II

1. **Title of the Practice**

Semester Long Industrial Project

2. **Objectives of the Practices**

The primary objectives of this practice are:

(a) To leant to identify field problem that need technical solution and to learn relevant new technologies/processes to analyze and solve such problems.

(b) To provide an opportunity to students to experience the work culture of the industry by being part of it.

(c) To learn practical skills such as project management, team spirit, communication etc.

3. **The Context**

Kalasalingam University strongly believes that the effectiveness of engineering training imparted to students is most appropriately tested by their involvement in taking up and completing a technically useful project work. An engineer should be a designer, thinker, innovator and system integrator, and for this to happen he/she should be allowed to independently put together all aspects of learning to solve a practical problem. The best way to provide such opportunity is to allow the students to become a part of work that is being implemented in an industry or in a research lab. The most challenging issue in implementing this practice is the difficulty in facilitating those students who have backlog course which mandates their presence in the campus. The university has tried to address this issue to a great degree by providing choice to the students to choose the project either in the 7th or 8th semester.

4. **The Practice**

The project work is of a semester long duration without any other additional course work load on the student except a self study course (which can even be online course) so that the student is completely free to fully focus on the project work. By the end of 6th semester (for students who want to opt for project in 7th semester) or at the end of 7th semester (for students who want to opt for project in the 8th

semester), the students' either with the help of their faculty advisors or otherwise should finalize the industry or the research lab in which they are interested in doing the project. The Head of Department constitutes a Project Review Committee which scrutinizes such applications and recommends to the HoD. After the approval from HoD, application is submitted to the Coordinator (Corporate Relations) for final approval. For each project, ideally 3-4 students are there in a batch who will have one external guide (in the industry) as the main guide and one internal faculty (in the department) as the co-guide. The title and quantum of work to be done in the project is decided in mutual consultation with both the external and internal guides. The progress of the students in the project work is assessed by the Project Review Committee through three periodical reviews either by visiting the industry site or by inviting the students to the campus. However, the students are free to contact their internal guide or any other faculty member any number of times during their project work. This system ensures that the project is not completed in the last few days but a systematic progress is there. In case, a particular project work is not found to show satisfactory progress during the intermediate assessment, the Project Review Committee can recommend for converting to fully internal on-campus project. The students are trained in doing detailed literature reviews and connecting what they learn to the problem they intend to solve. Many students have learnt upcoming technologies by such exposure to industries.

Indian higher education is getting more tuned towards skill based training. In many institutions of higher learning, project works by students have become more an academic ritual. They do not get opportunities to work in the real site conditions. The semester long project system as envisaged in the curriculum of Kalasalingam University is unique to achieve most of the graduate attributes that are expected from a student as recommended by NBA.

5. **Evidence of Success**

It is observed that about 40 – 50% students opt for external projects with a tie up in industry or a research lab. Every year, students' come up with innovative solutions to problems and also publish their project work in reputed conferences and journals. A salient list of recently completed projects is as below:

6. **Problems Encountered and Resources Required**

One of the challenges is in financing such projects. As of now, the students have to bear their travel, stay and any other expenditure related to the project work, and this sometimes become difficult for students coming from economically weaker section of society. Such students, though very much interested, are not able to choose industry oriented projects. For students who opt for project work in 8th semester, it sometimes become difficult to fully concentrate on the project work if they have to visit the campus for taking part in campus recruitment programmes etc. Sometimes, it is also seen that the main guide from the industry is not able to spend the desired time and give necessary guidance due to some unexpected or unavoidable situations that gets created in the work site.

7.4 Contribution to environmental awareness / protection

1. Zero Plastic camp was held on 24.07.14 & 25.07.14 at Thaniparai, Sundara Mahalingam Temple, Grizzled Gaint Squirrel wild life sanctuary, Srivilliputtur.
2. Nature Club organized cycle rally from our university to Watrap on World Zero Emission Day on 21.09.14
3. Zero Plastic camp was held on 13.03.15 at Thaniparai, Sundara Mahalingam Temple, Grizzled Gaint Squirrel wild life sanctuary, Srivilliputtur

7.5 Whether environmental audit was conducted?   Yes [ ]   No [√]

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

STRENGTH

(a) Academic Curriculum Tuned to Industry Needs

The University offers a very well designed academic structure for all its programmes, particularly specializing in B.Tech programme which is designed with choice based relative credit system just as in IITs and other institutions abroad. Kalasalingam University is one among the leading institutes in the country which recognize the need of industry to have skilled employers even at the entry level and design and develop their curriculum accordingly. With this idea, the university has incorporated a built-in system in the curriculum wherein practical components are added to theory based courses which otherwise don't have allied laboratory course; and the concept of mini project within a laboratory course is introduced so as to enable the students to develop ability to apply engineering principles in some real life situations. This effort is further enhanced by introducing the innovative system of offering one-credit courses by experts from industries or scientists from research labs or professors from overseas universities which ensures that the students' get a practical feel of the needs of the industry and also get required training in the practical skills that they are expected to acquire well before they take up their professional career.

Kalasalingam University also offers what is called as non-CGPA courses which are aimed to integrate soft skills and industrial oriented training into regular curriculum and is one of our innovative academic initiatives. To meet the expectation of MNCs, the university also offers foreign language courses on German, French, Korean and Romanian. Many companies visiting the campus for recruitment have greatly appreciated this unique feature in the university curriculum. In summary, Kalasalingam University is committed to prepare its products for a long standing, satisfying and growing professional career and not just merely a job.

(b) Demonstrated Research Potential

Kalasalingam University is identified as one of the "Research Intensive Higher Educational Institutions in India" by leading Indian Scientific journal "Current Science" (August 2014).

Kalasalingam University is ranked 78 out of 138 Indian Universities (including IITs/IISc) and is ranked 7 amongst the Private Institutions in India in terms of quality of research clearly demonstrating its strong research potential. The University has a h-index of 36 (as on Dec 2014 – Ref: SCOPUS). There are over 820 Scopus publications under Kalasalingam University affiliation (Dec 2014). Three of our departments – Department of Instrumentation and Control Engineering, Department of Mechanical Engineering and Department of Electronics and Communication Engineering have received prestigious DST-FIST projects. Besides this, two of our major centers of excellence namely Tifac Core in Network Engineering and National Center for Advanced Research in Discrete Mathematics and International Research (n-CARDMATH) has demonstrated world class research. This is the only center for research in discrete mathematics in the entire country established with support from DST. The n-CARDMATH center has been publishing AKCE International Journal of Graphs and Combinatorics which is entering into 12th year of publication and is indexed in Mathematical Reviews, Zentralblatt Math and SCOPUS database. Recently, this journal has entered into publication collaboration with ELSEVIER, which is the only journal in the country. It is also highly noteworthy that Prof. Theivasanthi, a research faculty in the International Research Center has innovated Superparamagnetic Plants Materials (size 15nm) named "Santhi Particles" which has made an entry as World Record in LIMCA Book. This is a remarkable benchmark in the nanotechnology research field. There are 16 ongoing government funded research projects with the faculty members. Due to the research ambience provided by the university, our UG students has also excelled in demonstrating their creative potential which is reflected in terms of filing of 28 patents through student projects.

(c) State – of –Art Infrastructural Facilities

The university has excellent infrastructure spreading over 70,00,000 sq. ft with 10 academic blocks, 8 hostels, A/C auditorium/seminar halls, sports facilities including indoor stadium with GYM, Olympic standard swimming pool etc. The Central Library is fully air conditioned with a seating capacity of 450 and well protected by CCTV spread over an area of 1 lakh sq.ft. The library has over 70,000 volumes in engineering, sciences and management. The library has a Media Resource Center and Video Conference Hall facilitating students' interaction worldwide. The campus is Wi-Fi enabled.

It is especially noteworthy that the university has created infrastructural facilities for world class research in a rural and remote region of the State with the establishment of International Research Center, a unique facility that spans 1 lakh square feet, dedicated to research in material sciences, energy and computing. In the materials lab, students have already made serious headway in developing durable industry grade spare parts using natural fibers. The nano-materials lab is currently capable of producing diverse range of metal based/ metal free nano materials. Cutting edge technology and expertise come together to create materials that will eventually revolutionize future industrial scenario around the globe. Most of the equipments at the IRC cost Crores to procure and

setup and are only available in one or two other locations in the country. Their precision and advanced functions have elicited interest from scientific organizations abroad, who wish to utilize these facilities. Some of the major equipment facilities are: INDFURR Inert Atmospheric High Temperature Furnace, INDFURR Box Type High Temperature Furnace, Rocher Vacuum pump, Universal Testing Machine, Digital Impact Tester, Pin-on-Disc Wear Tester, Rotary Bending Fatigue Tester, Trinocular Microscope, Corrosion Analyzer and Compression Molding Machine.

The university is keenly taking more and more initiatives in establishing state-of-art research labs in all the departments. In its recent major initiative, the university has created the 'National Cyber Defense Research Center' in association with National Cyber Safety and Security Standards.

(d) Good Bonding with Industries and International Institutions

Kalasalingam University is continuously strengthening its connection with industries of international repute to set-up many research labs. M/s. Cisco Systems have set-up Routing and Switching Lab & Wireless Network Lab, IBM has supported the IBM Software Center for Excellence, ABB has set-up Power Systems Automation Lab. In collaboration with the Texas Instruments, Bangalore the Department of ECE has set up Embedded Systems Lab and Analog System Design Lab. M/s Altera Corporations and M/s Intel (under Intel University Program) have supported in establishment of DSP Based System Design Lab and Intel Microcontroller Lab respectively in the department of ECE. M/s FORD India Limited has sponsored a FORD Eco Sports Car for the Vehicle Testing Lab of Department of Automobile Engineering. Kalasalingam University has signed a MoU with TAFE (Tractors and Farm Equipment Limited) for offering M.Tech (Manufacturing) for TAFE employees. As a part of this MoU, many UG students' projects are carried out in collaboration with TAFE. The Technology Innovation Center is set up with the active support of National Instruments, Bangalore with the objective of inculcating thinking among the students. The major software facilities of the center are LabVIEW (Campus wide license) and MULTISIM; and hardware MyDAQ, MyRIO, CRIO, CDAQ, ELVIS Mechatronics Kit, ELVIS Optical Communication Board, ELVIS Signal Processing Board etc. The center has already organized short term workshops on MULTISIM, LabVIEW and NI Hardware for faculty members and students. It also offers CLAD international certification.

The Kalasalingam University in collaboration with the M/s. Tessolve, Bengaluru (one of the leading Semiconductor Services Company in India) is planning to offer a unique M.Tech programme in VLSI Design, Test and Manufacturing. The programme has been CO-DESIGNED and CO-ADMINISTERED by KLU and TESSOLVE. This Programme will be unique in terms of its real-time and project based curriculum and industry specific course contents. The curriculum has been designed in consultation with Industry partner anticipating the current and future industry trends. Students also get an opportunity to work on advanced industry project under the Internship mode as a part of their Project Phase. With this application oriented programme, established state of art infrastructure, advance laboratory facilities and resourceful library, complete focus on VLSI Design,

Test and Manufacturing is provided to the students. Stipend of Rs. 10,000/- per month will be provided for GATE-qualified students. During the internship, the students will be paid Rs.25,000/- per month by Tessolve, Bangalore.

At Kalasalingam University, education opportunities are truly at a global scale. Kalasalingam University has signed MoUs with 20 well known overseas universities from various countries for academic research collaborations. These MoUs are facilitating faculty and/or students exchange programs, collaborative research projects, offering foreign languages including Korean, Romanian languages. The students undergoing Semester Abroad Programme has to pay the regular tuition fees to Kalasalingam University only. Students can also avail scholarships from partner institutions across the world to fund their travel and stay. Eminent professors and leaders of research visit our university to teach special semester long courses to the students. These courses give our students an edge over the rest.

(e) Perfect Ambience for Learning

For progressive learning to happen, it is important to have proper natural ambience besides infrastructural and other facilities. The Kalasalingam University is a spacious, eco-friendly Institution with plenty of flora and fauna around. On weekends, when the campus is mostly free, it is a lovely sight to see the visitors from the Western Ghats—visitors like the Peacocks, the Peahens, batches of Deer, Bison, Wild Boars, Hedgehogs, to name a few. The presence of a sizable number of national communities on campus helps prevail a multicultural atmosphere. The calm and quiet environment, completely away from the humdrum of a city life, is ideally suited for concentrated learning. Besides, Kalasalingam University is situated in a close proximity to many of the centers of cultural and spiritual heritage such as the famous Andal Temple in Srivilliputtur, Meenakshi Temple in Madurai and Swami Vivekananda Rock in Kanyakumari.

Kalasalingam University is the first institution in India to offer the special B.Tech programme for the Speech and Hearing Impaired Persons (SHIP). The presence of these so-called physically challenged students in the campus who are given equal opportunity to study with other students and share rooms in the hostel invokes in the mind of others feelings of compassion. It also invokes humanitarian feelings in the minds of faculty and staff who teach or interact with these students. In a society which is going more and more far away from humanitarian feeling, Kalasalingam University is serving the society in bridging this gap by its innovative programmes.

The regular visit of nationally and internationally distinguished visitors to the university campus adds another flavor to the ambience of the university. A gist of eminent persons who visited the campus just in last two years is as follows: Dr.K.Rosaiah, Governor of Tamilnadu; Dr. K. Sivan, Distinguished Scientist & Director, Liquid Propulsion Systems Center, ISRO, Thiruvananthapuram; Dr. B. Venkatraman, Outstanding Scientist and Associate Director, IGCAR, Kalpakkam; Mr.K.Chokalingam, IPS, Inspector General of Police, Govt. of Tamilanadu; Mr.V.Saravanakumar,

IAS, District Collector & District Magistrate, Rajasthan; Dr. K.M. Koh, Department of Mathematics, National University of Singapore, Singapore; Dr. Alison Marr, Department of Mathematics and Computer Science, Southwestern University, USA; Professor. Jay Bagga, Professor of Computer Science, Ball State University, Muncie, Indiana, USA; Mr. Justice T.N. Villinayagam, Judge, Lok Adalat & Former Judge, High Court of Madras; Dr. G.A.Rajkumar, IAS, Chairman, National Executive Committee, National Cyber Safety and Security Standards; Dr. Vijayamohanan, Director, CSIR- CECRI, Karaikudi; Mr.T.S.Rengarajan, Secretary, IEEE India Council, Madras; Dr. Adi Idris Vi, Group Leader University Brunei Darussalam, Brunei; Mr. Balunyua Baker, Embassy of Uganda, N.Delhi; Mr. Pattabiraman Krishnaswamy, Head – Accreditation process, South India Tata Consultancy Services; Dr. Kuruvila Joseph, Scientist, Indian Institute Space Science and Technology, Trivandram etc.

(f) Commitment to Quality Enhancement

Kalasalingam University is fully committed to improve quality in all aspects. In its first accreditation, NAAC has assessed and awarded this university with 'B' grade indicating that quality is 'Good'. This was the case when hardly three or four years have passed after this institution attained Deemed University status. Ever since that, the IQAC of the Kalasalingam University has come up with quality measures to ensure and improve quality in faculty credentials, student credentials, research outputs and academic curriculum through a systematic and continuous quality assessment process involving experts from reputed institutes and industries as members. Already three of our UG programmes have gone for NBA process and other programmes are in the pipeline. Kalasalingam University is continuously attentive to and adapting to the changing scenarios in higher education. In a very recent initiative, recognizing the thrust placed by IEEE about students' involvement in community services in collaboration with school students and non-profit organizations, Kalasalingam University has planned to incorporate this concept mandatorily in the curriculum from the academic year 2015-16.

WEAKNESS

(a) Recruiting and Retaining Qualified Faculty

Finding qualified faculty is a well recognized issue even in premier institutions like the IITs and NITs. Being located in a remote and rural area, the facilities and opportunities provided by Kalasalingam University is not known outside. Our university is taking all the necessary steps to overcome the disadvantage of location of university, and we are beginning to see success as it is evident from recent recruitment of full time research faculty in various departments. However, further efforts are required to address this area.

(b) Shortage of Alumni Contribution

The institution as Arulmigu Kalasalingam College of Engineering (AKCE) before upgrading to Deemed University status has produced many eminent Alumni who are serving the society in higher positions. However, their services to the development of the university in various aspects need to be strengthened.

(c) Lack of Sufficient Number of Sponsored Research Projects

At present 16 on-going sponsored projects are there, however this needs to be strengthened by creating more opportunities for younger PhD holders by exposure to outside world.

OPPORTUNITIES

(a) Government Bilateral Projects

The Government of India is entering into many bilateral funding projects in collaboration with other countries such as Brazil, Japan, Taiwan etc. Faculty members of Kalasalingam University can utilize these opportunities for post doctoral research, experience as visiting faculty etc.

(b) Diversified Interest Amongst Student Communities for Career Plans

With growing opportunities in the field of Arts and Science and other inter-disciplinary fields, this university can capitalize on offering innovative curriculum and training which is otherwise difficult in the regular Arts and Science Colleges. With very good ambience for research and other infrastructural facilities, the university can offer diversified courses catering to the needs of all.

(c) Capitalizing the MoUs with Foreign Universities

Kalasalingam University has started creating impact in quality research and education, and this can be utilized now for attracting more international students, increasing research collaborations, faculty exchange etc through the already existing MoUs.

(d) Catering to the Advancement of Rural Society

With the establishment of cutting edge research centers in the campus, the university has ample opportunities to contribute to the overall development of the region in which it is located in association with industry partners and/or NGOs. The university already has 'School Linkage Program' which can be used to benefit high school students by their participation in programs like 'EPICS in IEEE'.

CHALLENGES

(a) Supplementing City Based Education Opportunities

Being situated in a rural area, it is a high challenge for the university to supplement/create the same facilities and opportunities that are available to students studying in a metro city. For instance, students who desire to take up some specialized coaching like IAS etc, it is very difficult to commute to nearby city on a regular basis.

(b) Influencing the Mindset of Students in Choosing Higher Education

Due to lack of sufficient awareness amongst students and parents, students hailing from economically weaker section of the society are finding it difficult to firmly choose higher education in deemed universities, rather than opting for courses in other affiliated private colleges which do not have sufficient facilities and resources to impart the required education. Students seem to be more interested in getting a job (even making some short-cuts) than aspiring for a good career in engineering and technology.

(c) Training the Junior Faculty

The university has a higher percentage of younger faculty members which has its own advantage in terms of their ability to understand and relate to the needs and mood of today's generation of students and teach them. However, to give them needed exposure in an on-going way to improve their competence and bring out their best in a the rapidly expanding technological society is a challenge for the university

(d) Core Company Job Markets

The number of vacancies in core companies is very limited atleast for fresh entries, and as such it poses a difficult challenge for the students to get jobs in core companies. The university has to adopt new curriculum build around direct collaboration with the industries to address this issue.

(e) Lack of Sufficient Training in Schools

The students' coming from schools are mostly encouraged to mug-up and score marks in Board exams and as such systematic teaching of basic principles is not there in most of the schools. As such, it is a very difficult task for the teachers when such students' take up a course in university.

8. **Plans of institution for next year**

- To include new quality parameters with the focus on academic performance of the students, and new changes in curriculum such as one credit courses, online courses etc.

- Conduction of students' quality council meeting in university level once in a month. Also conduction of department level quality circle meeting to address the issues of students every now and then.

- Collection of student feedback in three phases.

- Conferment of awards and certificates for the departments performing well in the IQAC parameters assessment metrics.

- Conferment of awards and certificates for the best teachers and researchers performing well in that particular academic year.

- Conferment of awards for best faculty advisors.

- Steps towards submission of NAAC SSR for re-accreditation

- Preparing the new departments for formulating PEOs and POs.

Name Dr. C. SIVAPRAGASAM   *Name* Dr. S. SARAVANA SANKAR

Signature of the Coordinator, IQAC   *Signature of the Chairperson, IQAC*

_____***_____

Annexure I

Abbreviations:

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

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OVERALL FEEDBACK REPORT – Annexure II

Admission

1 - Not Satisfactory
2 - Average
3 - Good
4 - Very Good

1 7%
2 18%
3 48%
4 27%

Courses / Curriculam

1 - Not Satisfactory
2 - Average
3 - Good
4 - Very Good

1 4%
2 27%
3 43%
4 26%

Classes / ICT

1 - Not Satisfactory
2 - Average
3 - Good
4 - Very Good

1
9%

2
20%

4
30%

3
41%

Faculty

1 - Not Satisfactory
2 - Average
3 - Good
4 - Very Good

1
4%

2
25%

4
22%

3
49%

Central Library

1 - Not Satisfactory
2 - Average
3 - Good
4 - Very Good

4
25%

1
10%

2
10%

3
55%

Laboratory

1 - Not Satisfactory
2 - Average
3 - Good
4 - Very Good

4
37%

1
19%

3
44%

Examination System

1 - Not Satisfactory
2 - Average
3 - Good
4 - Very Good

1
4%

2
17%

4
32%

3
47%

Non - CGPA

1 - Not Satisfactory
2 - Average
3 - Good
4 - Very Good

1
6%

2
17%

4
36%

3
41%

Training & Placement

1 - Not Satisfactory
2 - Average
3 - Good
4 - Very Good

4
36%

3
33%

2
17%

1
14%

Sports

1 - Not Satisfactory
2 - Average
3 - Good
4 - Very Good

4
37%

3
45%

1
18%

Hostel

1 - Not Satisfactory
2 - Average
3 - Good
4 - Very Good

1
22%

2
4%

3
34%

4
40%

Canteen

1 - Not Satisfactory
2 - Average
3 - Good
4 - Very Good

1
17%

3
43%

4
40%

1 - Not Satisfactory
2 - Average
3 - Good
4 - Very Good

Miscellaneous

1
4%

2
22%

4
33%

3
41%