The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

AQAR for the year

2014-15

1. Details of the Institution

1.1 Name of the Institution

Sri Krishnadevaraya University

1.2 Address Line 1

S.V. Puram

Address Line 2

City/Town

Ananthapuramu

State

Andhra Pradesh

Pin Code

515 001

Institution e-mail address

vcskuniversity@gmail.com   regskuniversity@gmail.com

Contact Nos.

Name of the Head of the Institution:

Prof. K. RaJagopal,   Vice-Chancellor

Tel. No. with STD Code:

08554-255231 (O), 08554-255267 (R)

Mobile:

9494188882

Name of the IQAC Co-ordinator: | Prof. G. Sreedhar

Mobile: | 94408 89606

IQAC e-mail address: | directoriqacsku@gmail.com

1.3 **NAAC Track ID** | APUNGN10042

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)

1.5 Website address: | www.skuniveristy.org

Web-link of the AQAR: | www.skuniversity.org/AQAR2014-15.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	1st Cycle	****	70-75	2002	2007
2	2nd Cycle	B	2.71	2009	2014
3	3rd Cycle				
4	4th Cycle				

1.7 Date of Establishment of IQAC :   DD/MM/YYYY | 13-02-2006

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 2011-12: (12/12/2015)
ii. AQAR 2012-13: (12/12/2015)
iii. AQAR 2013-14: (12/12/2015)
iv. AQAR_____ _____ (DD/MM/YYYY)

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 [ ]

(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 [ ]

1.10 Type of Faculty/Programme

        Arts [✓]   Science [✓] Commerce [✓] Law [✓] PEI (Phys Edu) [✓]

        TEI (Edu) [✓] Engineering [✓]   Health Science [x]   Management [✓]

        Others   (Specify)   [.]

1.11 Name of the Affiliating University *(for the Colleges)*   NA

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

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

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*) [DBT]

UGC-COP Programmes [ ]

2. IQAC Composition and Activities

2.1 No. of Teachers   9

2.2 No. of Administrative/Technical staff   1

2.3 No. of students   [ ]

2.4 No. of Management representatives   2

2.5 No. of Alumni   [ ]

2. 6 No. of any other stakeholder and   2

   community representatives

2.7 No. of Employers/ Industrialists   1

2.8 No. of other External Experts   [ ]

2.9 Total No. of members   15

2.10 No. of IQAC meetings held

2.11 No. of meetings with various stakeholders: No. | 1 | 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 | Rs. 5 lakhs (XII Plan) |

2.13 Seminars and Conferences (only quality related)

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

       Total Nos. | 0 | International | | National | | State | | Institution Level | |

   (ii) Themes | |

2.14 Significant Activities and contributions made by IQAC

> Prepared two Half Yearly Performance Reports of the University for July-December 2014 and January-June 2015 and helped in the performance appraisal of the departments and faculty by the Vice-Chancellor, with the aim of achieving academic excellence. The performance appraisal of departments and faculty is based on certain key performance indicators such as departments assisted under SAP/FIST, departments with computer labs, number of faculty using e-learning methods, research output in terms of Ph.D.s and publications, ongoing research projects, seminars organised, participation of faculty in the seminars/conferences/workshops outside the University, students sent for project work, students placed in industry/ institutions, etc., once in six months.
>
> The feedback from students on teachers was obtained through computer centre with the help of software developed for the purpose, to ensure objectivity.

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
To introduce B.Tech. programme in Mechanical Engineering.	B.Tech. programme in Mechanical Engineering has been introduced.
To improve the infrastructural facilities on the campus in terms of enhancing the space and provision of drinking water facility.	Construction of Academic building for Sciences has been completed. Construction of North East wing in second floor of Silver Jubilee Bhavan (Principal's Office and DDE)) has been completed. Construction of 3rd floor Sri Sai Kaleswara Bhavan of SKU College of Engineering & Technology has been completed. Construction of 2nd Floor of online counselling building has been completed
To initiate new programmes to develop the residuary state of Andhra Pradesh into a knowledge hub, as per the directions of the government.	As per the directions of the state government and APSCHE, the University has participated in the execrcise to revise the common core syllabus at UG level in all the affiliated colleges in the state so as to introduce Semster system and CBCS. The common framework has been finalised by June 2015. The state govt. Has taken a decision to introduce Foundation courses on Human Values and Professional Ethics, Communication & Soft Skills, Environmental Science, Information and Communication Technology, Entrepreneurship, and Citizenship Education in all UG programmes with effect from 2015-16
To undertake water conservation programmes on the campus	Water conservation and plantation programmes taken by BAIF Institute for Rural Development (Andhra Pradesh) as part of IWMP on the campus were completed and maintenance of plantation works has been taken up.

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

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

Management ☐   Syndicate ☐   Any other body ☐

Provide the details of the action taken

> Half-yearly performance reports of the University for the year 2014-15 are submitted to the Chancellor, and copies sent to the Chairman, APSCHE and Executive Council members of the University.

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	32	-	-	-
PG	41	-	8	6
UG	8	1	7	8
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
Total	81	1	15	14

Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options:
     CBCS and Core/Elective option in all PG programmes
   (except M.A. Hindi, M.Ed. and M. Pharm, which have only Core/Elective option)
   (ii) Pattern of programmes:

Pattern	Number of programmes
Semester	49
Trimester	-
Annual	-

1.3 Feedback from stakeholders*   Alumni ☐   Parents ☐   Employers ☐   Students ☑
   (On all aspects)

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

The students graded 72% of the teachers as excellent, 28% as good.

*Please provide an analysis of the feedback in the Annexure

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

> Yes, minor modifications were made at the BoS meetings of respective departments.

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

> Department of Mechanical Engineering was started in University College of Engineering & Technology

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
116	17	06	83	-

2.2 No. of permanent faculty with Ph.D.   115

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
0	34	0	37	0	31	0	0	0	102

2.4 No. of Guest and Visiting faculty and Temporary faculty   6   15   92

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	-	3	2
Presented papers	11	46	12
Resource Persons	-	10	4

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

PPT presentations, Interactive teaching, case study, etc.

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

150

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

Nil

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

116

2.10 Average percentage of attendance of students

75

2.11 Course/Programme wise distribution of pass percentage* :

S.No.	Title of the Programme	Total No of Students Appeared	Division				
			Distinction %	I %	II%	III%	Pass %
UG Programme 2014-2015							
1	BA	1932	0.10	10.82	30.49	20.29	61.70
2	B.Sc	4219	18.39	35.01	5.76	0.02	59.18
3	B.Com	6946	3.33	41.15	10.98	0.01	55.47
4	BBM	263	8.75	53.23	6.84	-	68.82
5	B. Pharmacy	43	18.60	51.16	25.58	-	95.35
	Grand Total	**13403**	**7.76**	**35.11**	**12.12**	**2.94**	**57.93**
PG Programme 2014-2015							
M.Sc							
1	Botany	48	-	62.50	6.25	-	68.75
2	Chemistry	264	-	25.76	9.85	-	35.61
3	Elect.& Comm.	32	-	87.50	-	-	87.50
4	Elec.& Instr.	26	-	84.62	-	-	84.62
5	Physics	99	-	60.61	-	-	60.61
6	Physical Education	39	-	89.74	-	-	89.74
7	Statistics	30	-	86.67	-	-	86.67

8	Zoology	44	-	72.73	15.91	-	81.82
9	Biotechnology	12	-	83.33	-	-	83.33
10	Computer Science	130	-	83.08	10.00	-	93.08
11	Applied Mathematics	30	-	93.33	-	-	93.33
12	Mathematics	171	-	46.20	8.19	-	54.39
13	Microbiology	15	-	86.67	-	-	86.67
14	Biochemistry	14	-	71.43	-	-	71.43
15	Geography	23	-	43.48	-	-	43.48
16	Sericulture	15	-	53.33	-	-	53.33
17	Polymer Science	18	-	50.00	-	-	50.00
Professional Courses							
18	LLM	36	-	86.11	-	-	86.11
19	LLB	167	-	27.54	58.68	4.79	91.02
20	BALLB	54	-	-	3.70	-	3.70
21	B.Ed.						
22	B.Tech.	166	-	89.16	3.61	1.20	93.97
23	M.Tech.	45	-	86.67	4.44	-	91.11
24	M.Com (Prof)	0	-	-	-	-	-
25	M.Com	0	-	-	-	-	-
26	MBA (Finance)	55	-	83.64	-	-	83.64
27	MBA	687	-	70.60	3.06	-	73.65
28	M.C.A.	42	-	78.57	19.05	-	97.62
29	M.Ed.	78	-	94.87	-	-	94.87
30	M. Pharmacy	-	-	-	-	-	-
M.A.							
31	Applied Economics	40	-	45.00	32.50	-	77.50
32	Economics	126	-	62.70	19.05	-	81.75
33	English	114	-	71.05	8.77	-	79.82
34	History	43	-	37.21	9.30	-	53.49
35	Political Science	88	-	63.64	3.41	-	67.05
36	Public Administration	32	-	46.88	6.25	-	53.13
37	Rural Development	31	-	70.97	3.23	-	74.19
38	Sociology	36	-	27.78	-	-	27.78
39	Adult Education	15	-	46.67	-	-	46.67
40	Telugu	35	-	31.43	-	-	31.43
41	Hindi	35	-	31.43	-	-	31.43
42	M.Li.Sc.	35	-	31.43	-	-	31.43
43	MSW	103	-	66.99	6.80	-	73.79
	Grand Total	**3193**	**-**	**62.60**	**8.73**	**0.31**	**71.64**

Note: Results are for the entire University including the affiliated colleges.

* excluding those candidates who passed the exam but kept under 'Announced Later' category.

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes :
            Through feedback from students on teachers and curriculum

2.13 Initiatives undertaken towards faculty development:

There is no Academic Staff college in the University. The faculty, however, underwent the following faculty development programmes organised by other Universities or Institutions, as detailed below:

Faculty / Staff Development Programmes	*Number of faculty benefitted*
Refresher courses	5
UGC – Faculty Improvement Programme	-
HRD programmes	-
Orientation programmes	5
Faculty exchange programme	-
Staff training conducted by the university	-
Staff training conducted by other institutions	-
Summer / Winter schools, Workshops, etc.	1
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	373	142	07	07
Technical Staff	21	26	-	-

Criterion – III

3. Research, Consultancy and Extension

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

Encouraging the teachers to bring about more number of publications in the impact factor journals and to apply for research projects from funding agencies.

3.2   Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	10	14		
Outlay in Rs. Lakhs	199.36	588.44		

3.3   Details regarding minor projects

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

3.4   Details on research publications

	International	National	Others
Peer Review Journals	409	156	-
Non-Peer Review Journals	-	-	-
e-Journals	-	-	-
Conference proceedings	-	-	-

3.5 Details on Impact factor of publications:

Range | 0.106 - 7.40 | Average | | h-index | | Nos. in SCOPUS | |

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations(Rs.Lakhs)

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	2014-15	UGC, SERB, DBT, ISRO, CSIR, ICSSR, DST, IUAC, DRDO,	787.80	150.00
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students research projects *(other than compulsory by the University)*	-	-	-	-
Any other(Specify) UGC (One Time Grant)	2014-15	UGC	14	14
Total	-	-	-	-

3.7 No. of books published   i) With ISBN No.   45   Chapters in Edited Books   22

ii) Without ISBN No.   0

3.8 No. of University Departments receiving funds from

UGC-SAP 5   CAS [ ]   DST-FIST 5

DPE [ ]   DBT Scheme/funds 1

3.9 For colleges   Autonomy [ ]   CPE [ ]   DBT Star Scheme [ ]

INSPIRE [ ]   CE [ ]   Any Other (specify) [ ]

3.10 Revenue generated through consultancy   -

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number		5			
Sponsoring agencies		UGC, DBT, APSCHE			

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

3.13 No. of collaborations   International [ ]   National 14   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   1349.88   From Management of University/College [ ]

Total   1349.88

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	1 (5112/CHE 2015)
	Granted	Result awaited
International	Applied	-
	Granted	-
Commercialised	Applied	-
	Granted	-

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

Total	International	National	State	University	Dist	College
-	-	2	2	-	-	-

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

98

40 during the year and a total of 438

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

114

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

JRF   67   SRF   13   Project Fellows   3   Any other   62

3.21 No. of students Participated in NSS events:

University level [ ]   State level   21

National level   4   International level   -

3.22 No. of students participated in NCC events: **Not Applicable**

University level [ ]   State level [ ]

National level [ ]   International level [ ]

3.23 No. of Awards won in NSS:

University level [ ]   State level   1

National level   1   International level [ ]

3.24 No. of Awards won in NCC: **Not Applicable**

University level	☐	State level	☐
National level	☐	International level	☐

3.25 No. of Extension activities organized

University forum	☐	College forum	☐		
NCC	☐	NSS	55	Any other	☐

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

- Blood donation camps, Health check-up camps, Plantation of saplings

- To create awareness on health and environmental conservation

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	482 acres	-	-	482 acres
Class rooms	102	-	-	102
Laboratories	105	-	-	105
Seminar Halls	8	2	-	10
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	-	-	-	-
Value of the equipment purchased during the year (Rs. in Lakhs)	-	-	-	-
Others				

4.2 Computerization of administration and library

Academic – 50%; Accounts – 50%; Administration – 50%; Examinations – 75%; Library: Books Bibliographical data entered into soul data base up to Jun 2015 – 46% of Total collection)

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	152875	-	1701	1.5 Lakhs	154576	-
Reference Books	9870	-	-	-	9870	-
e-Books+ e-Journals	7500	-	-	-	7500	-
Journals	358	-	147	5.45 Lakhs	505	-
Digital Database	72000	-	-	-	72000	-
CD & Video	198	-	-	-	198	-
Others (specify) Manuscripts, Monographs etc.,	430	-	194	-	624	-

4.4 Technology upgradation (overall)

	Total Computers	Computer Labs (Depts)	Internet (Depts)	Browsing Centres	Computer Centres	Office	Depart-ments	Others
Existing	630	31	24					
Added	36	-	-					
Total	666	31	24					

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

All the academic buildings and administrative buildings of S K University college are provided with 1Gbps Internet connectivity under NKN over the Optic fibre network between the buildings and Ethernet cabling inside the buildings. In addition, SKU College of Engineering and Technology has 20Mbps Internet connectivity line taken under centrally sponsored NME-ICT scheme. Both the buildings of the College are enabled with Wifi connectivity using 4 No. devices Digisol 300Mbps WAP with PoE (DG-WA3002NP).

4.6 Amount spent on maintenance in lakhs :

i) ICT

| 8.55 |

ii) Campus Infrastructure and facilities

| 29.25 |

iii) Equipments

| |

iv) Others

| |

Total :

| 37.80 |

Criterion – V
5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

Instructed the Heads of departments to identify slow learners and arrange tutorials for them.

5.2 Efforts made by the institution for tracking the progression

Tracking is done at the Deparmental level

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1177	2357	261	100

(b) No. of students outside the state

| |

(c) No. of international students

| |

	No	%
Men	2508	64.4

	No	%
Women	1387	35.6

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1018	741	283	1796	72	3910	985	728	278	1823	81	3895

Demand ratio 1:11.11   Dropout %: 2 to 4% in UG and PG programmes

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

Coaching is provided under the UGC sponsored coaching schemes for SC, ST, OBC and Minority Students.

No. of students beneficiaries   80

5.5 No. of students qualified in these examinations

NET   30   SET/SLET   57   GATE   12   CAT   -

IAS/IPS etc   -   State PSC   10   UPSC   -   Others   22

5.6 Details of student counselling and career guidance

At the Department level the HOD and faculty provide counselling and career guidance to students

No. of students benefitted

5.7 Details of campus placement

On campus			Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
4	150	58	200 to 250

5.8 Details of gender sensitization programmes

> Celebration of International Women's Day and arranging special lectures by eminent personalities on gender equality.

5.9 Students Activities

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

State/ University level [237]   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 (lakhs)
Financial support from institution		
Financial support from government	1197	317.57
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:

No major grievances are reported. The grievances normally reported are at the time of admissions with regard to discrepancies in following rule of reservation, which are promptly resolved as and when they are brought to the notice of the DOA. The other grievances relate to facilities in the hostel, quality of food, etc., which are also resolved by the Administration.

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

The motto of the University, "*Vidyaya Amrutha Masnute,*" is from *Isa Upanishad.* It conveys the message that one attains immortal wisdom through knowledge.
The University envisages its growth in terms of promoting equity and access, relevance, quality, and accountability to redeem the irredeemable backwardness of the region through a massive educational uplift and contribution to a knowledge society, which alone offers the key to social change and economic emancipation.
Having acquired national and international expertise in the fields of Physical Sciences, Life Sciences, Humanities, Social Sciences, Commerce, Management, and Law, the University aims at becoming a centre for excellence in engineering education as well.
The University seeks to effectively cater to the needs of the people of the region by an appropriate blend of science and technology. It envisages academic excellence by striving to give its research an international character. It seeks to contribute to the advancement of knowledge and employment generation in the region.

6.2 Does the Institution has a management Information System

No

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

6.3.1 Curriculum Development

Revision of curriculum in accordance with the latest trends in knowledge in respective subjects at the Departmental level through BOS meetings

6.3.2 Teaching and Learning

Adopting innovative methods in teaching such as PPTs, interactive teaching, case studies, observational visits etc.

Arranging tutorials for slow learners.

6.3.3 Examination and Evaluation

Semester examination comprising internal assessment for 25 marks including 20 marks for mid-semester examination (average of two tests) and 5 marks, and end-semester examination for 75 marks with double valuation by internal and external examiners

6.3.4

Encouraging the faculty to undertake quality research through research projects independently or in collaboration with reputed R&D institutions at the national or international level and increase the number of publications in high impact factor journals, on the basis of performance appraisal of departments by the Vice-Chancellor.

6.3.5 Library, ICT and physical infrastructure / instrumentation

Open Access system in Central Library, speeding up the process of Digitization of books under INFLIBNET, access to e-journals under Info-net and, depositing Ph.D. theses in Shodganga, etc.

Internet Access to students and staff provided, enabling them to use ICT in an effective manner.

Ensuring proper maintenance of Physical infrastructure through Engineering department.

Equipment purchased uunder research projects and grants for infrastructural development on the campus maintained well with the help of USIC.

6.3.6 Human Resource Management

Faculty development programmes for teaching staff.

Proper management of non-teaching staff to increase efficiency and effectiveness in different wings of administration

6.3.7   Faculty and Staff recruitment

No Recruitment has taken place during the year due to pending legal cases

6.3.8   Industry Interaction / Collaboration

The University departments signed 14 MoUs with industries and national R & D institutions in the earlier years, which are in force during the current year, which facilitates interaction or collaboration with these agencies, intended to provide internship/ placement to studies, improve the curriculum and enhance quality of research. Besides, during the current year, the SKIM has entered into an MoU with the University of Virgin Islands, USA for promoting joint activities in the education, research, and faculty exchange.

6.3.9   Admission of Students

Admission to the UG and PG programmes are made through entrance test conducted at the University or state level. Adherence to rule of reservation of the state government ensures equity in access to higher education.

6.4 Welfare schemes for

Teaching	Personal and vehicle loans at an interest rate of 12 per cent per annum. Health centre for treatment and certain medicines free of cost.
Non teaching	Personal, medical and vehicle loans at an interest rate of 12 per cent per annum Marriage, education and festival advance without interest, recoverable in 10 monthly instalments. Health centre for treatment and certain medicines free of cost.
Students	Canteen services at subsidised rates. Health centre for treatment and certain medicines free of cost.

6.5 Total corpus fund generated

Nil

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	No		Yes	Principal
Administrative	Yes	State Audit Dept.	Yes	Registrar

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?

> No major reforms during the year

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

> Nil

6.11 Activities and support from the Alumni Association

> Alumni Association was formed at the University college level, but no major activities were undertaken during the year. The alumni associations are functioning at the departmental level

6.12 Activities and support from the Parent – Teacher Association

> No PTA in the University

6.13 Development programmes for support staff

> Nil

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

> Tree plantation programmes undertaken on the campus through NSS in collaboration with social forestry department. In addition, the BAIF Institute for Rural Development (Andhra Pradesh) has undertaken the plantation prrogaramme on the campus as part of IWMP with a provision for watering the plants for three years.

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.

> The University has facilitated the implementation of water conservation programmes on the campus in collaboration with BAIF Foundation for Rural Development under Integrated Watershed Management Programme for Itikalapalli under the auspices of DWMA, Ananthapuramu during 2013-14, and the same has been continued during the year to complete the works in all respects. The plantation programme taken up under the programme has a provision for watering for three years, i.e., up to 2016-17. The entire cost was borne under IWMP and the University did not spend any money for this purpose. The project has created a positive impact on water table level in the nearby villages, useful for cultivation. It has also enhanced greenery on the campus and improved the quality of physical environment. This initiative is likely to contribute to conservation of scarce water resources on the campus and eco-friendly environment.

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

> 1. Exercise for introduction of Semester system and CBCS at the UG level in the affiliated colleges has been completed and common framework finalised.
>
> 2. Construction of Academic building for Sciences has been completed.
>
> 3. Construction of North East wing in second floor of Silver Jubilee Bhavan (Principal's Office and DDE)) has been completed.
>
> 4. Construction of 3rd floor Sri Sai Kaleswara Bhavan of SKU College of Engineering & Technology has been completed.

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

> 1. Aerosol and Atmospheric Research laboratory on the campus, in collaboration with ISRO, Bangalore to study climate change.
>
> 2. ADI Foundation on the campus for undertaking skill upgradation programmes for the youth in the district including students on the campus.

Provide the details in annexure (Annexure-ii)

7.4 Contribution to environmental awareness / protection

> Plantation of saplings in the vacant places on the campus to promote greenery. Water conservation works undertaken in the campus have led to increased awareness levels in the neighbourhood on conservation of scarce water resources.

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

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

[   ]

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

Adoption of Gap year concept in the University colleges

Introduction of Online examination in each paper of UG and PG programmes, as part of Internal Assessment

Integrating the distance education with conventional education programmes through introducing MOOCs in the curriculum of UG and PG programmes offered by the University colleges

Currculum upgradation of PG and UG programmes in consultation with the Industry and other Institutions, by providing space for representatives of Industry/ other Institutions on the Boards of Studies of respective departments, wherever feasible.

Promoting Academia-Industry linkages with a view to enhance the employability of students through internship and placement.

Introduction of entrepreneurship development programmes for the UG and PG students in collaboration with NSDC and APSSDC

Improving the infrastructural facilities on the campus to provide a congenial climate for teaching-learning process, research and extension activities.

Modernization of class rooms and laboratories up scaling of the network and enabling Wi-Fi facility in all the academic and administrative buildings

Name: Prof. G. Sreedhar   *Name: Prof. K. Rajagopal*

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

SRI KRISHNADEVARAYA UNIVERSITY COLLEGE

SRI KRISHNADEVARAYA UNIVERSITY:: ANANTHAPURAMU – 515 003

ACADEMIC CALENDER FOR THE YEAR 2014-15

SL. NO.	DETAILS	DATES
1	College reopened on	09-07-2014
2	Class work commences for I & III Semesters	06-08-2014
3	Dasara Vacation	29-09- 2014 to 04-10-2014
4	College reopens after Dasara Vacation	06-10-2014
5	I & III Semester I Mid Examinations	14-10-2014 to 18-10-2014
6	I & III Semester II Mid Examinations	26-11-2014
7	Last Instruction day for I & III Semesters	05-12-2014
8	I & III Semester University Examinations	11-12-2014 to 23-12-2014
9	Class work for II & IV Semesters	26-12-2014
10	Class work for IV Semester MBA	
11	Class work for II Semester MBA	
12	Pongal Vacation	12-01-2015 to 17-01-2015
13	College reopens after Pongal Vacation	19-01-2015
14	First Mid Semester Examinations for II & IV Semesters	24-02-2015 to 28-02-2015
15	Second Mid Semester Examinations for II & IV Semesters	24-03-2015 to 28-03-2015
16	Last Instruction day for II & IV Semesters	10-04-2015
17	II & IV Semester University Examinations	17-04-2015 to 30-04-2015
18	Summer Vacation	01-05-2015 to 30-06-2015
19	College reopens after Summer Vacation on	01-07-2015

Best Practices

Best Practice – I:

1. **Title of the Practice**
   Aerosol and Atmospheric Research Laboratory

2. **Objectives of the Practice**

   The Earth's climate is modulated by Land-Air-Ocean interactions through Geosphere-Biosphere-Atmospheric processes. These interactive forces regulate equilibrium in the weather and climate. Indiscriminate land use practices, fossil fuel burning, increased vehicular traffic, loss of vegetation cover, etc., exert changes in the radiative forcing reaching the Earth's surface.

   The temporal and spatial scales of changes in the Earth's climate result in changes of natural cycles of monsoon, vagaries in the form of natural disasters, increased temperatures on surface and oceans, loss of soil moisture, decrease in the extent of snow/glaciers, changes in plant productivity, etc., cumulatively inflicting irrecoverable changes in the climate. No region in the country receives more varied meteorological phenomena than Anantapur (Andhra Pradesh) and its vicinity.

   In view of the locational importance of the University, the ISRO Bangalore selected the University Department of Physics as a Nodal Centre on **Atmospheric Aerosol Research Laboratory** **(AARL)** in the year 1998 and provided all infrastructure and research facilities worth of about Rs.8.0 crores with the following objectives under various ISRO-GBP activities

   1) Aerosol Radiative Forcing, on a periodic basis, is contemplated through the establishment of Multi Wave Radiometer (MWR) network and their assimilation into numerical weather forecasting efforts.

   2) *Atmospheric Trace Gases Composition and Transport*, envisaged to apportion the sources and sinks of the trace gases and their residence time of transporting to other regions and to identify ecological hotspots.

   3) *Atmospheric Dust Composition and Transport,* aimed to establish aerosols dust composition observatory network and the transport of atmospheric dust from the continental and extra-continental regions to understand on the intra-annual variability of atmospheric composition and the possible role of dust in regulating radiative forcing.

   4) *Atmospheric Boundary Layer Characterization,* aimed to establish boundary layer Lidars surveys.

The research in Atmospheric sciences covers physical, meteorological and chemical processes in the atmosphere. The focus is on Atmospheric aerosols; Climate change and health effects; Meteorological modelling; and Climate research. Instruments are provided by ISRO Bangalore to meet the above objectives.

3. **The Context**

There is a growing need for scientists and engineers with advanced training in the Atmospheric sciences. In particular, there is a need for society to understand and respond to problems related to weather, climate, atmospheric hazards from natural and human sources (local and global pollution, volcanic clouds, etc.), and the hydrological cycle. Powerful new research tools for addressing these problems, such as satellite remote sensors and multi-scale atmospheric computer models, require graduate-level /research training in the atmospheric sciences for their effective use. The University collaborated with ISRO in this regard, which stands as the unique model to further knowledge and research work.

4. **The Practice**

The data generated from the Weather station has been provided to the students of the University to carry out their research work (M.Phil./ Ph.D./ Projects etc.,). Staff and students of the University are allowed to involve in the training programmes, internships and fellowships, and project works offered by Atmospheric Aerosol Research Laboratory. It also paves way to explore the possibilities of research between the ongoing ISRO Research Programmes of Atmospheric Science at the University and Indian Meteorological Department.

Instruments and Facilities established

Quartz Crysal Mycrobalance Impactor	*Aethalometer*	
Net Radiometer	*Automatic Weather Station*	*Mini Boundary Layer Mast*

GAS ANALYZERS	Multi wavelength Solar Radiometer	Nephelometer
NO$_x$ O$_3$ CO SO$_2$ THC		
	Sunphotometer	High Volume Sampler
	High volume Sampler	Seven Channel Aethalometer

Doppler SODAR   GPS SONDE

SONIC ANEMOMETER

5. Evidence of Success

The evolution of projects under ISRO-GBP presents the saga of nearly two decades of collective national team work, which stood the test of time to become benchmark in climate science endeavours. About 60 publications have appeared in frontline, peer reviewed, impact factor journals. The candidates who pursued research under these

programmes and obtained their Ph.D.s are settled in different countries such as Japan, South Africa, China, South Korea and Twain as research scientists and faculty members.

Countries Visited

- Prof. R. Ramakrishna Reddy visited Rutgers University, USA during May 2014 to Aug 2014.
- Dr. G. Balakrishnaiah visited Taiwan as a post-doctoral fellow during 2011-2012 at Institute of Environmental Engineering, National Chiao Tung University, Taiwan.
- Dr. M. Penchal Reddy visited South Korea and China as a post-doctoral scientist during 2012-14.
- Dr. K. Raghavendra Kumar visited South Africa as a post-doctoral scientist during 2013-14.
- Dr. K. Rama Gopal participated in "International Conference of Asia Oceania Geosciences Society (AOGS-2014)" held in the cosmopolitan district of Sapporo, Japan, during July 28-Aug 01, 2014.

Honours/awards received

Prof. R. Ramakrishna Reddy

- **Fellow of National Environmental Science Academy-2007**, NESA, New Delhi
- **UGC-BSR Faculty Fellow 2012**, UGC, New Delhi

Dr. K. Rama Gopal

- **Scientist of the Year award 2009**, NESA, New Delhi

Dr. K. Narasimhulu

- **Jr. Scientist of the Year award 2007**, from National Environmental Science Academy, New Delhi

Dr. K. Raghavendra Kumar

- **Jr. Scientist of the Year award 2011**, from National Environmental Science Academy, New Delhi
- **Young Scientist Award, 2009** from Dr. K. V. Rao Scientific Society, Hyderabad

Participation in Expedition

Dr. G. Balakrishnaiah and Dr. K. Raghavendra Kumar, researchers, participated in ORV Sagar Kanya Cruise (SK 254) as a part of Integrated Campaign for Aerosol and Radiative Budget (ICARB) Programme from December 27, 2009 to January 30, 2010 over Bay of Bengal. The track of the ship cruise was designed in such a way to travel into the oncoming wind and away from it alternatively so that the issue of potential long-range transport from different source regions can be examined over these oceanic regions.

6. **Problems Encountered and Resources Required -Nil.**

Best Practice – II:

1. **Title of the Practice**

Anantapur Development Initiative (ADI) Foundation

2. **Objectives of the Practice**

Anantapur Development Initiative (ADI) Foundation was formed on April 21, 2007 with a view to generating far-reaching changes in the socio-economic fabric of Anantapur (renamed as Ananthapuramu) district. The specific objectives of the Foundation are as follows:

- Bringing about the renaissance of Ananthapuramu district in a manner that will make every citizen proud; and

- Initiating a cohesive change process that will lead to rejuvenation of Ananthapuramu district in social, educational, economical and cultural fields;

- Promoting human resource development through skill upgradation and other programmes for the youth in the district; and

- Undertaking programmes that create a maximum impact with minimum cost.

3. **The Context**

Ananthapuramu is one of the most backward districts in Andhra Pradesh. Ananthapuramu has low literacy rates, high levels of poverty and unemployment, recurring droughts and migration, resulting in low levels of human development. Lack of resources, inadequate development effort and ineffective implementation of development programmes and policies were the root causes of underdevelopment of the district.

4. **The Practice**

ADI foundation is the brainchild of a group of committed civil servants, technocrats, academicians and social workers who had special concern about Ananthapuramu district with a single-minded purpose of ushering in the process of change through specifically chosen initiatives and innovative solutions, to provide a common platform for like-minded people foreseeing a bright future for the district.

ADI Foundation has signed a MOU with the University to be a nodal centre of extension activities. The University has leased out 5 acres of land in its premises to establish ADI Academy. ADI Academy has developed full-fledged and state of the art training and up-skilling facilities.

M/s Lepakshi Knowledge Hub Pvt Ltd., Bangalore headed by Mr. Shyam Prasad Reddy was kind enough to sponsor the Lepakshi-ADI Academy building (10,000 SFT) at a cost of Rs.50.00 lakhs.

Mr. Challa Rajendra Prasad, Mr. Challa Prakash and Mr.Challa Suresh sponsored the Hostel Building (3,800 SFT) in in memory of their parents Justice Challa Kondaiah and Smt. Challa Chinnamma, at a cost of Rs.16.00 lakhs

Focus on Students in Social Welfare Hostels

Remedial Classes are being organized for about 4000 students in 12 Social Welfare Hostels involving the retired teachers.

Mata-Pata Programmes are being organized to bring about awareness on Education and Environment involving the social activists and singers in Govt. Schools for a target group of about 9000 students

Green Anantha Project

Green Anantha Project has been launched on a large scale in the district during 2014-15 with the help of DWMA to scale up plantation in the district.

5. Evidence of Success

- 150 candidates (4 batches) were trained and placed in different BPO companies, insurance companies, financial sector, journalism etc.
- 280 (7 batches) candidates (school children…house wives…University staff) were provided with skill training in the MS Office/DTP domain.
- 122 Men/ Women (5 batches) from BPL families were provided Textile machine operator training sponsored by IL & FS CDI Ltd., and placed in different garment industries in Bangalore and Chennai.
- 174 rural youth were trained in colorization training and employment in association with M/s Trikona Technologies, Hyderabad.
- 70 Blind students (2 batches) of Rural Development Trust, Ananthapuramu were trained in Communication skills.
- Vocational training was provided to school dropouts in the trades of Plumbing, General Surveying, Tailoring and masonry through National Academy of Construction, as detailed below:

Beneficiaries of Vocational Training provided through NAC

S. No	Year	Joined	Trained	Placed
1	2009-2010	336	215	129
2	2010-2011	490	356	268
3	2011-2012	648	504	465
4	2012-2013	239	249	185
5	2013-2014	388	245	71
	Total	2101	1569	1118

Training in Curtain making under progress

NAC batch with American Consulate General

6. Problems Encountered and Resources Required

There were no programmes during 2014-15 as the National Academy of Construction (NAC) got affected with the division of the state and there was not funding available.