

# **The Annual Quality Assurance Report (AQAR)**

## **For Academic Session: 2015-2016**

**Submitted To**  
**The National Assessment and Accreditation Council (NAAC),**  
**P. O. Box No. 1075**  
**Nagarbhavi, Bangalore -560072**



**Submitted By**  
**Director, Internal Quality Assurance Cell (IQAC)**  
**Guru Jambheshwar University Of Science and**  
**Technology, Hisar 125001 (Haryana)**

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## 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) For the Academic Session 2014-2015**

**Submitted**

**By**

**Internal Quality Assurance Cell (IQAC)**

**Guru Jambheshwar University of Science and Technology,  
Hisar 125001 (Haryana) INDIA**

### **Part – A**

#### **I. Details of the Institution**

1.1 Name of the Institution

Guru Jambheshwar University of Science & Technology, Hisar

1.2 Address Line 1

Guru Jambheshwar University of Science & Technology, Hisar

Address Line 2

Guru Jambheshwar University of Science & Technology, Hisar

City/Town

Hisar

State

Harvana

Pin Code

125001

Institution e-mail address

vc@gjust.org  
registrar@gjust.org

Contact Nos.

+91-1662-276192  
+91-1662-276026

Name of the Head of the Institution:

Prof. Tankeshwar Kumar  
Vice-Chancellor

Tel. No. with STD Code:

+91-1662-263101, 276192

Mobile:

+91-99912-91816

Name of the IQAC Co-ordinator:

Prof. Neeraj Dilbaghi

Mobile:

+91-94664-02891,

IQAC e-mail address:

iqac@gjust.org  
ndnano@gmail.com.

1.3 NAAC Track ID (For ex. MHC0GN 18879)

HRUNGN10068

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(SC)/04/RAR/89 dated 10-12-2014

1.5 Website address:

www.gjust.ac.in

Web-link of the AQAR:

<http://www.gjust.ac.in/naac/iqac/aqar2015-16.doc>

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

### 1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	A	NA	01.10.2002	5 Years
2	2 <sup>nd</sup> Cycle	A	3.26	15.06.2009	5 Years
3	3 <sup>rd</sup> Cycle	A	3.28	10.12.2014	5 Years

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

03.01.2004

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

2015-2016

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

- i. AQAR : 22.11.2012 (DD/MM/YYYY)
- ii. AQAR: 22.11.2012 (DD/MM/YYYY)
- iii. AQAR: 22.11.2012 (DD/MM/YYYY)
- iv. AQAR: 27.11.2013 (DD/MM/YYYY)
- v. AQAR: 01.04.2016 (DD/MM/YYYY)
- vi. AQAR \_\_\_\_\_

### 1.10 Institutional Status

University                      State            Central            Deemed            Private     

Affiliated College                      Yes            No     

Constituent College                      Yes            No     

Autonomous college of UGC                      Yes            No     

Regulatory Agency approved Institution                      Yes            No     

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

Type of Institution                      Co-education            Men            Women     

Urban            Rural            Tribal     

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

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

### 1.11 Type of Faculty/Programme

Arts  Science  Commerce  Law  PEI (Phys Edu)

TEI (Edu)  Engineering  Health Science  Management

Others (Specify)

Physical Sciences

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

N.A.

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

Autonomy by State/Central Govt. / University

State

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-PG  
TEQIP-II  
Radioecology  
Centre (BARC)

UGC-COP Programmes

## **2. IQAC Composition and Activities**

2.1 No. of Teachers

09

2.2 No. of Administrative/Technical staff

03

2.3 No. of students

02

2.4 No. of Management representatives

03

2.5 No. of Alumni

3

2.6 No. of any other stakeholder and Community representatives

2.7 No. of Employers/ Industrialists

2.8 No. of other External Experts

2.9 Total No. of members

2.10 No. of IQAC meetings held :

2.11 No. of meetings with various stakeholders: No.  Faculty   
 Non-Teaching Staff  Students  Alumni  Others

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

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

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

Total Nos.  International  National  State  Institution Level

(ii) Themes

2.14 Significant Activities and contributions made by IQAC

IQAC is involved in implementation of Quality parameters/ Bench Marks for teaching, Research, Extension and formulating policies related to other academic and administrative processes.

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
The IQAC will works towards improvement of teaching, research and other extracurricular activities and up gradation of existing facilities.	All planed activities were constantly monitored and implemented throughout the 2015-16.
The Construction of New Teaching Block-8, University Computer Centre, Up	The construction of Dr. APJ Abdul Kalam Central Instrumentation Lab and Girls Hostel-IV and boys Hostel-IV were completed for better research and residential facilities for students. The new Choice based One Open Elective course, Establishment of Research Promotion Board and 100% online admissions for all courses were introduced.

<p>gradation of Teaching Block -3 and Examination Block, Construction of New residences for Teaching and Non- Teaching Staff will be taken up. New policies for maintenance of ethical standards in research and more emphasis towards full computerisation will be laid.</p>	<p>The University Policy on the use of Biological Resources by the Researchers/ Scientists of the University in compliance of National Bio diversity Act 2002 and National Biodiversity Rules 2004 and setting up of Disability Resource Centre were framed, approved and implemented.</p> <p>University has introduced 4 B.Sc.(Hons) &amp; M.Sc Dual Degree programs in Physics, Chemistry, Maths &amp; Biotechnology and M.Sc (Economics) w.e.f. 2016-17.</p> <p>The University got a grant of 19.45 Crores from Rastriya Uchcharar Shiksha Abhiyan (RUSA) as infrastructure grant and Rs.10.25 Crores under DST-PURSE scheme. The University Informatics and Computer Centre, (UCIC) library and sports facilities were upgraded with RUSA Grant.</p>
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2.16 Whether the AQAR was placed in statutory body Yes  No   
 Management  Syndicate  Any other body

Provide the details of the action taken

The Annual Quality Assurance Report prepared by IQAC is placed before the Court (the apex statutory body of the university) for its perusal and further suggestions.

## UNIVERSITY ACADEMIC CALENDAR FOR 2015-16

SCHEDULE OF TEACHING AND VACATIONS FOR THE ACADEMIC SESSION 2015-2016 <b>ADMISSIONS : 03.07.2015 onwards</b> (Under Semester System)	
ODD SEMESTER	
Teaching	14/07/2015 to 28/11/2015
Preparatory days, including Practical's*	29/11/2015 to 03/12/2015
End Semester Examinations (Major Test)	04/12/2015 onwards
Winter Vacations	16/12/2015 to 31/12/2015
EVEN SEMESTER	
Teaching	01/01/2016 to 25/04/2016
Preparatory days, including Practical's*	26/04/2016 to 01/05/2016
End Semester Examinations (Major Test)	02/05/2016 onwards
Summer Vacations	16/05/2016 to 30/06/2016
<b>*Note : - Practical Examinations wherever applicable, may be conducted during this period</b>	

### SCHEDULE OF MINOR TESTS

ODD SEMESTER	
1st Minor Test	3rd week of September
2nd Minor Test	3rd week of October
EVEN SEMESTER	
1st MINOR TEST	3rd week of February
2nd MINOR TEST	3rd week of March
<p><b>Note : - (i) Second Saturday of every month shall be a holiday. If the number of teaching days falls less than 180 days in the academic session 2015-2016 due to some unforeseen reasons, it should be the responsibility of each teacher to make good the loss by taking extra classes.</b></p> <p><b>(ii) The Academic Calendar for the Engineering courses will be as per the Haryana State Technical Education Society, Panchkula admissions.</b></p>	

## Part – B

### Criterion – I

#### I. Curricular Aspects

##### 1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	16			
PG	35+7 (DDE)		21	
UG	9+2 (DDE)		7+2	
PG Diploma	7 (DDE)			
Advanced Diploma				
Diploma				
Certificate				
Others				
<b>Total</b>	<b>76</b>		<b>30</b>	

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

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	49 All Programmes



Trimester	Nil
Annual	

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

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

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

Yes, the syllabi of all the PG programmes run by the UTD were updated/revised during academic session 2015-16 as per the guidelines of UGC for implementation of CBCS. The proceeding of the meeting of the committee was circulated.

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

The Department of Alumni Affairs and Centre of Industry Institute Partnership Cell were created during the year.

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
194	101	23	65	05

2.2 No. of permanent faculty with Ph.D.

133

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
143	20	39	36	7	29	05	04	194	89

2.4 No. of Guest and Visiting faculty and Temporary faculty

19

01

81

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	14	115	04
Presented papers	36	128	01
Resource Persons	08	63	07

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

Use of Audio Video Aids including power-point shows, scientific documentaries , Conduct of Remedial Classes of Week students, Science Quiz, poster presentation, debates, Class Seminars, technical issues etc.

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

195

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

Bar Coding

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

105

106

100

75

2.10 Average percentage of attendance of students

81

2.11 Course/Programme wise distribution of pass percentage :

Title of the Programme	Total no. of students appeared/ sanctioned	Distinction	I st %	II nd %	III rd %	Pass %
M.Tech. (Computer Science & Engineering)	21/30	9	61			
M.Tech. (Environmental Science & Engineering)	8/20					
M.Tech. (Electronics & Communication Engineering)	/20					
M.Tech. (Mechanical Engineering)	38/20		8	8	1	17
M.Tech. (Printing Technology)	14/30	1	1	1	0	30
M.Tech. (Nano Science and Technology)	8/20	100	100			
M.Tech. (Optical Engineering)	11/20	38.3	90	50		83.3
M.Tech. (Food Engineering)	20/20		85	15		100
M.Tech. (Geo-Informatics)	11/20					
M.Tech. (Biomedical Engineering)	20	Admission was started in 2014.				
M.Pharm. (Pharmaceutical Chemistry)	22/15		45	36	4	86
M.Pharm. (Pharmaceutics)	15					
M.Pharm. (Pharmacology)	10					
M.Pharm. (Pharmacognosy)	10	No admission was made in 2013-15				
Master of Physiotherapy (Musculoskeletal Disorders)	10					
Master of Physiotherapy (Sports Physiotherapy)	05					
Master of Physiotherapy (Neurological Disorders)	10		22	14	Nil	37
Master of Physiotherapy (Pediatic Physiotherapy)	05					
Master of Physiotherapy (Cardiothoracic & Pulmonary Disorders)	05					

Master of Computer Applications	69/60	1	78	2		83
Master of Business Administration (MBA)	83/90	25	1	15	9	30.12
MBA- Finance	26/30	16	5	10	1	61.54
MBA-Marketing	22/30	2	0	2	0	9.09
MBA-International Business	21/30	5	1	3	1	23.81
MBA-Part Time (Evening)	40	Nil	Nil	Nil	Nil	Nil
M.Com.	40/40	34	4	25	5	85
M.Sc. (Psychology)	34/50	0	12	3		15
M.Sc. (Biotechnology)	36/24	100	88	12		
M.Sc. (Microbiology)	31/30	100	87	13		
M.Sc. (Chemistry)	46/50	11	38	1		85
M.Sc. (Environmental Sciences)	15/50	3	7	1		73.3
M.Sc. (Food Technology)	25/30		80	20		100
M.Sc. (Mass Communication)	44/50	3	20	11		77.2
M.Sc. (Mathematics)	53/50	14	9	5		47.92
M.Sc. (Physics)	93/50	63.11	47.75	2		80.45
M.Sc. (Advertising Management & PR)	Deptt merged with Mass Communication					
Bachelor of Pharmacy	58/60		15	17	10	43
Bachelor of Physiotherapy	131/40		21	22	15	45
B. Tech. (Biomedical Engineering)	40					
B. Tech. (Comp. Science & Engineering)	147/120	10	64	6	0	80
B. Tech. (Electronics & Comm. Engg)	137/120	9	45	11		65
B. Tech. (Information Technology)	67/60	9	60			69
B. Tech. (Mechanical Engineering)	468/60		270	36		307
B. Tech. (Printing Technology)	71/60		29	10	5	60
B. Tech. (Food Engineering)	44/60		56	44		100
B. Tech. (Packaging)	70/60		23	20	6	70

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

IQAC acts as Co-ordinator in different teaching learning process. It monitors the strict & smooth implementation of academic calendar of the University based on the suggestion and feed back of the stakeholders.

## 2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	122
UGC – Faculty Improvement Programme	NIL
HRD programmes	141
Orientation programmes	104
Faculty exchange programme	NIL

Staff training conducted by the university	4
Staff training conducted by other institutions	6
Summer / Winter schools, Workshops, etc.	141
Others	Nil

#### 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 & Technical Staff	364	70	--	191
	207	17	--	202

### Criterion – III

## 3. Research, Consultancy and Extension

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

The IQAC addressed various issues to improve the quality of research output in the university and have outlined criteria for research benchmarking. The research promotion board formulates policies and guidelines for improvement of quality research from time to time.

#### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	76	10	06	--
Outlay in Rs. Lakhs			37.31 Lacs	--

#### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	11	15	15	25
Outlay in Rs. Lakhs	4.00	11.00	11.00	--

#### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	256	73	07
Non-Peer Review Journals	05	04	00
e-Journals	88	02	00
Conference proceedings	118	57	00

#### 3.5 Details on Impact factor of publications:

Range  Average  h-index  Nos. in SCOPUS

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

(Rs. in Lakhs)

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	2015-16	UGC+others	30.00	
Minor Projects	--		9.60 lacs	34.21 lacs
Interdisciplinary Projects	--			
Industry sponsored	--			
Projects sponsored by the University/College				
Students research projects <i>(other than compulsory by the University)</i>			22.10 8.00	7.70 4.95
Any other(Specify)				
Total			69.7	46.86

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

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

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

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

3.10 Revenue generated through consultancy

3.11 No. of conferences

organized by the Institution

Level	International	National	State	University	College
Number	01	11	02	03	00
Sponsoring agencies		UGC/ State Govt.			

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

3.13 No. of collaborations International  National  Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From funding agency  From Management of University/College

Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	Nil
	Granted	Nil
International	Applied	Nil
	Granted	Nil
Commercialised	Applied	Nil
	Granted	Nil

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
7	1	6	-	-	-	-

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

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

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

JRF  SRF  Project Fellows  Any other

3.21 No. of students Participated in NSS events:

University level  State level   
National level  International level

3.22 No. of students participated in NCC events: NA

University level  State level

3.23 No. of Awards won in NSS:

National level	<input type="text" value=""/>	International level	<input type="text" value=""/>
University level	<input type="text" value="Nil"/>	State level	<input type="text" value="No"/>
National level	<input type="text" value="1"/>	International level	<input type="text" value="Nil"/>

3.24 No. of Awards won in NCC: NA

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

3.25 No. of Extension activities organized

University forum	<input type="text" value=""/>	College forum	<input type="text" value="Nil"/>
NCC	<input type="text" value="Nil"/>	NSS	<input type="text" value="17"/>
		Any other	<input type="text" value="5"/>

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

- |   |
|---|
| <ul style="list-style-type: none"> <li>The University has entered into several MOUs with different organisations/ institutions for collaborative research and development in mutually agreed areas of academics.</li> </ul>   |
| <ul style="list-style-type: none"> <li>The OPD facility by the Department of Physiotherapy are offered to the general public of in and around Hisar and that to free of cost by this University.</li> </ul>   |
| <ul style="list-style-type: none"> <li>The University has tied up with insurance companies to provide student safety insurance policy to cover the undesirable incident in this regard.</li> </ul>  |
| <ul style="list-style-type: none"> <li>The NSS unit of this University regularly organized awareness camp on social issues like female foeticide, Plantation drives, dowry, Blood Donation Camp etc. for general welfare of the society.</li> </ul>   |
| <ul style="list-style-type: none"> <li>Swachh Bharat Abhiyan camps organized by university sports departments in collaboration with NSS and Sanitation Deptt.</li> </ul>  |
| <ul style="list-style-type: none"> <li>Centre for Behavioural Research &amp; Intervention is working on sponsored research projects in the field of behaviour modification, HIV/AIDS, Violence etc, psychological Testing has been the integral part of centre covering personality, ability, aptitude and assessment of mental health. The centre has been providing all the services to the students as well as referral cases free of cost throughout the year.</li> </ul> |

## Criterion – IV

### 4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing		Newly created		Source of Fund	Total	
	Nos.	Area (In SQM)	Nos.	Area (In SQM)		Nos.	Area (In SQM)

Campus area : <b>372 Acres</b>							
Class rooms	93	711	-	-	State Govt./ Internal resources of the University	93	7100
Laboratories	293	13708	12	850	-do-	305	14558
Seminar Halls	8	Seating Capacity 988	-	-	-do-	8	Seating Capacity 988
No. of important equipments purchased ( $\geq 10$ lakh) during the current year			7		FIST/ SAP		
Value of the equipment purchased during the year (Rs. in Lakhs)			> 90 lacs				
Others			1				

#### 4.2 Computerization of administration and library

During the financial year 2015-16, an amount of Rs. 3114847/- was spent on purchase of 2423 books of different titles were added to the existing stock of 95313 books and making the total collection of 97736. The amount includes the grants received from funding agencies like RUSA, DBT, DST, NBHM, UGC-SAP etc. All the grants received from these agencies were fully utilized.

#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	95313	--	2423	3114847	97736	--
Reference Books	--	--	--	--	--	--
e-Books	--	--	--	--	--	--
Journals	49	168910	Nil	Nil	49	168910
e-Journals	7500 + from 19 Publishers under e-Shodh Sindhu Project					
Digital Database	Under e- Shodh Sindhu Project: ISID, J-Gate, Web of Sc. Purchase/ Subscribed, & Prowess, SPSS, Kimbus					
CD	CDs 470, and 18310 Video Lectures of IITs					
Video			--	--		
Others (specify)	--	--	--	--	--	--

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart- ments	Others
--	--------------------	------------------	----------	---------------------	---------------------	--------	------------------	--------



Existing	776	31	1 Gbps MBPS NKN link & 30 MBPS	--	125	80	--	--
Added	22	NA	-----	--	02	5	--	--
Total	798	31	1 Gbps MBPS NKN link & 30 MBPS	--	127	85	--	--

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

The UCIC continuously organizes workshops cum training programmes for its students and staff about the use of networking and e-Governance and the department of Bio & Nano Technology organizes workshops on the use of Bio-informatics software use and their applications in life science research.

#### 4.6 Amount spent on maintenance in lacs : for the year 2015-16 (Rs. in lacs)

i) ICT	10.11
ii) Campus Infrastructure and facilities	17.56
iii) Equipments	31.28
iv) Others	56.82
<b>Total :</b>	<b>115.78</b>

### Criterion – V

## 5. Student Support and Progression

#### 5.1 Contribution of IQAC in enhancing awareness about Student Support Services

The IQAC monitors student support institutional services on the campus relating to Hostel facilities, sports and recreational activities, services related to admissions, scholarship and examination reforms from time to time and ensures release of grants for up gradation of existing and creation of new facilities. Various services ranging from health and hygienic environment on campus, sports and recreation facilities etc have been upgraded following students suggestions.

#### 5.2 Efforts made by the institution for tracking the progression

The Training and Placement Cell facilitates the students for summer internship and placements. Further, the University organize remedial classes and coaching to the needy students especially SC/ST/OBC categories with regard to UGC/NET, Civil services, Defence services, Bank POs etc. The University has created Department of Alumni Affairs to strengthen its alumni base further. Remedial Classes for weaker students, soft skill development, up gradation of skills and finishing schools provision on request are also arranged under World Bank TEQIP-II for engineering streams.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
2037	1294	476	--

(b) No. of students outside the state

165

(c) No. of international students

03

Last Year (2014-15)						This Year (2015-16)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1481	423	--	620	4	2528	999	361	02	566	5	1933

Demand ratio 1:33          Dropout % Less than five percent

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

Yes, UGC sponsored Remedial Coaching Schemes for SC/ST/OBC (Non-Creamy Layer) & Minority Students is regularly imparted. Two Batches for Coaching of Net Classes (May-Jun and Nov-Dec) and Two Batches for Bank PO and other competitive exams (Feb-March and Aug-Sep) are conducted under this scheme.

No. of students beneficiaries

366

5.5 No. of students qualified in these examinations

NET	66	SET/SLET	--	GATE	39	CAT	1
IAS/IPS etc	--	State PSC	--	UPSC	03	Others	03

5.6 Details of student counselling and career guidance

The Centre for Behavioural Research provides psychological counselling to students, patients and organizes community intervention programme including conducting workshops and seminars on psycho-social problems. In addition, Training and Placement Cell & carrier Counselling cell organizes programs related to Career counselling, personality development and other awareness programs.

No. of students benefitted

350

### 5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
19	254	109	40

### 5.8 Details of gender sensitization programmes

The women cell consisting of senior Professors/Officers/Social workers/Civil Administration which looks after the issues relating to females on the campus and organizes gender sensitization programs.

### 5.9 Students Activities

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

Sports : State/ University level  National level  International level

No. of students participated in cultural events :

Cultural: State/ University level  National level  International level

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

Sports : State/ University level  National level  International level

Cultural: State/ University level  National level  International level

### 5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	83	592122.00
Financial support from government	135	3538395.00
Financial support from other sources	2	7200.00

### 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:.

There exists a mechanism of redressing the online filed grievances through the UGC portal by the students. The Dean Students Welfare is the Nodal Officer coordinating with the University Grants Commission for this purpose. There exists a standing Committee for redressing the grievances of students related to safety, discipline, hostel life, classes and laboratory, examinations and results, general hygienic environment on the campus. This Committee consists of all statutory and responsible officers of the University under the Chairmanship of Dean Academic Affairs and meetings are held regularly in which ten students are nominated from amongst the boys and girls including hostellers and day scholars on the recommendations of the Dean Students Welfare and Chief Warden. Further, fair representation to female students is fully ensured while nominating students participants in this standing Committee student's grievances and redressal mechanism. Most of the issues related to students are sorted out through regular interaction and as such there is no major issue pending as on today

## Criterion – VI

### 6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

**Vision:** To develop the University as a Centre of Excellence for the quality teaching, research and extension services to produce the dynamic and the knowledgeable human resources and act as a knowledge power-house capable of contributing to the national development and welfare of the society.

**Mission:** The University aspires to be a globally recognized Centre of Excellence in the field of technical education and research. It strives to achieve this by introducing innovative job oriented courses, employing competent and motivated faculty, developing state-of-the-art infrastructure, striking purposeful linkages with industry and professional bodies, and promoting quality of work life on campus. The University focuses on the student community to imbue them with passion for knowledge and creativity and to promote sustainable growth in academic resources, student placements, holistic human development with a strong conviction for professional ethics, social and environmental issues.

6.2 Does the Institution has a management Information System

The University has cabled as well as wi-fi campus wide networking which has 1 Gbps speed and all offices/ departments/cells/centres/directorate are well connected through LAN. The University has introduced online Central File Movement and Tracking Information System.

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

6.3.1 Curriculum Development

All departments have undertaken revision of curricula as new CBCS. The revised curricula are further evaluated by distinguished academicians and experts nominated on Board of Studies and Research of University Teaching Departments so as to seek their advice for further improvements. This process intends to facilitate the University to make its curricula job oriented and market acceptable both in terms of contents and intent.

### 6.3.2 Teaching and Learning

The teaching and learning pedagogies includes lecturing, power-point shows, case studies, scientific movies, documentaries, role playing, experimentation, group discussions, speech, assignment-presentations and viva-voce. The University has implemented Choice based Credit System. Thus the teaching learning becomes a continuous process for assessment and evaluation of students admitted in different programmes. All this make this University unique in terms of teaching and learning process.

### 6.3.3 Examination and Evaluation

Under Choice Based Credit Based System there is a mechanism of 70 :30, in which 70% evaluation is done through major examinations on semester basis and 30% based on continuous evaluation in the form of mid semester test, minor test, classroom seminars, class room quizzes, home assignments, class attendance, viva-voce, field visit etc.

### 6.3.4 Research and Development

The faculty members are encouraged to have individual research projects, Intra-University, Inter-Institutional & Industrial Collaborative research projects funded by different national and international agencies. The faculty members are also encouraged to participate in national and international conferences, seminars, symposia, workshop etc. to expose them latest research developments in their concerned fields and use the same in their teaching and research. The faculty members are given grants too in the form of minor research projects at the University level. The University has constructed new building of Dr APJ Abdul Kalam Central Instrumentation Laboratory to house the major equipments. Principal investigators enjoy financial autonomy and even allowed to use 70% of the overhead charges for smooth running of the project.

### 6.3.5 Library, ICT and physical infrastructure / instrumentation

The University has a central library, which is equipped with state of the art ICT facility and more than 95534 books of different fields. The University subscribes online journals from the major international publishers such as Springer, Taylor & Francis, IEEE, American Chemical Society, RSC, Inter Science etc. The reading area of the University library is open round the clock for students. The University has a Central Instrumentation Laboratory, Radio Ecology Centre that house major equipment's required for quality research in basic and applied sciences.

Further, the University has 372 acres of total area of which more than 225 acres is fully developed that includes 11 Teaching Blocks, 4 boys hostels, 4 girls hostels, dedicated sports complex, University Health Centre, shopping complex, Post Office, Bank, Administrative Block etc. The University has its own Auditorium with 3 mini seminar halls to run parallel session with a total seating capacity of more than 2500. The University has its several play grounds, Tennis Court, Multipurpose Sports Complex and gardens. The University has STP to treat sewerage water and treated water is reused for irrigational purpose. A new Teaching Block-8 and computer Centre is under construction.

### 6.3.6 Human Resource Management

The human resource management policies of this University are in compliance with UGC regulations and State Govt. guidelines. The appointment and promotions are made in transparent manner and as per defined and notified criterion. The organizational hierarchy of the University is well defined in which the job profile and job description in each and every office is clear to all stakeholders. The governance and administration of the University is professional and also as per the spirit of the Act and Statutes which results into higher level of satisfaction especially amongst the students and scholars and staff of the University.

### 6.3.7 Faculty and Staff recruitment

There is an established and transparent procedure for the faculty and staff recruitment in the University; the UGC regulations for staff recruitment are followed in toto. The requirement of faculty/ staff are invited from concerned quarter and further taken up by the authorities.

### 6.3.8 Industry Interaction / Collaboration

The University has created Centre of Industry-Institute Partnership to promote Consultancy activities and University industry linkage for the purpose of solving the technical problems of the industry and creating skilled human resource. Also, the industry nominees are nominated on Board of Studies of different departments so that industry needs can be incorporated in course curricula and students can be prepared as per market requirement.

### 6.3.9 Admission of Students

Admissions of students are done once in a year on the basis of national level entrance test. The reservation policy of the State Govt. is followed in total as notified by State Govt. from time to time. The University has introduced online System of Admissions with effect from Jun 2015.

### 6.4 Welfare schemes for

Teaching	06
Non teaching	08
Students	11

Teaching supporting staff/Library staff : 05

### 6.5 Total corpus fund generated

The corpus fund include pension and PF fund, which is Rs.50 crores at this moment. The University contributes every year to this fund.

### 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	√		√	√
Administrative			√	√

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

For UG Programmes Yes  No  For some courses

For PG Programmes Yes  No  For some courses

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

The University has implemented Credit Based System for continuous evaluation of the students. Online Registration of students has been implemented. In addition, online submission of sessional and Practical awards has been introduced.

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

The University promotes functional autonomy to all its affiliating colleges.

6.11 Activities and support from the Alumni Association

The University has created separate Department of Alumni Affairs. Several University teaching departments also organize alumni meet regularly to enhance better interaction between University and alumni for strengthening the teaching, research, training and placement activities.

6.12 Activities and support from the Parent – Teacher Association

There is a provision to conduct parents teacher meeting once in a semester and University Teaching Departments are continuously conducting such meeting.

6.13 Development programmes for support staff

Several training programmes are conducted for skill up gradation of supporting staff of the University from time to time. The training programmes are organized for mid level and senior level supporting staff through the Human Resource Development Centre and University Computer & Information Centre of this University.

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

The University is committed for environmental protection and various steps have been undertaken to make the campus eco-friendly and reduce carbon foot prints. Solar water heating systems are used; **CFL & LED lights are used** in all the teaching and offices of the departments. Public transport system is promoted within the campus. The University has Sewerage Treatment Plan for the treatment of waste water for reuse for its irrigational purpose. The University has contract with private firm for the incineration for pharmacy, biological and hospital waste and the number of **Big trees have been transplanted from site of construction to other location and tree plantation programmes are done in the campus on regular basis. The University has approved introduction of Solar power plants for all buildings and also battery driven e-Rickshaws to reduce the carbon footprints.**

### 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.

All the academic programmes offered by the University are technical and job oriented. The courses have been specified and approved by the State Govt. and regulatory bodies including UGC, AICTE, Pharmacy Council, Physiotherapy Council, DBT, DEC, etc. The University has implemented online admission process w.e.f. June 2015 in all courses. Also the university has introduced 4 B.Sc (Hons) M.Sc Dual Degree courses in Physics, Chemistry, Mathematics and Biotechnology and also M.Sc (Economics) w.e.f. 2016.

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

The University has succeeded in many spheres during the academic year. Internal Quality Assurance Cell of the University has been re-constituted to make it more effective to achieve the goal of imparting quality education to the students to make the University a pioneer Institute in the field of Science & Technology. The university applied for MHRD NIRF Ranking in 2016 and got 24<sup>th</sup> Rank among universities of India. The Academic Audit of majority of teaching department for the session 2014-15 has been conducted and the reports have been submitted to the IQAC Cell. Annual Academic Audit involving external expert is made compulsory for all departments. The renovation and upgradation of Academic, Administrative blocks, & Class rooms with appropriate furniture and Teaching aids as per recommendations of NAAC Peer Team has been undertaken from RUSA grant. Also, the sports facilities especially new Shooting Range and Archery facilities has been developed. The University launched Online Admission process for Admission to all under-graduate, post graduate and Ph.D Courses w.e.f June 2015 & Dec 2015. In order to check plagiarism the University has subscribed URKUND for plagiarism checker. Before submission of Ph.D thesis the draft of the thesis is checked through this software to prevent plagiarism. The NSS wing of the University organized 10 Awareness Campaign(s) amongst the residents of Hisar and the five villages adopted under *Swachh Bharat Swasth Bharat Scheme*.



The University has implemented Online Centralized File Movement and Tracking Information System (CeFMaTIS). A training workshop has already been organized and university has registered to this software and login passwords are being generated. In order to promote good governance and provide quick disposals of the issues related to examinations results, the University has started "**Examination Grievance Redressal Cell**" to address the examination related queries of students. The University has set up a mail helpline at [grievance\\_exam@gjust.org](mailto:grievance_exam@gjust.org) to register the complaints. Five new academic programmes in different Faculties under choice based credit based system including 4 B.Sc (Hons) M.Sc Dual Degree Programmes and M.Sc Economics as per the recommendations of NAAC have been introduced. E-tendering is introduced to improve transparency and efficiency by construction branch. The enhancement of Industry Academia Interaction through establishment of Industry, Institution Interaction Cell has been accomplished. To contribute towards "**Beti Bachao-Beti Padhao**" campaign of the Hon'ble Prime Minister of India and also towards Women Empowerment, the University has created **one additional supernumerary seat** in each of the UG/PG courses run by the University for those girl students who are the only daughter of their parents or who have one sister and not a brother. **Maternity Leave to Girl Students:-** Since girl students in the region married at an early age, the University has made a provision for 45 days maternity leave for such married girl students so that they can continue and complete their education. In order to promote health and general well being, the University has engaged a Yoga Instructor for undertake Yoga classes daily for university students, employees and their wards. In addition university also organizes two yoga awareness camps during this period in addition to a Talk on Yog Sadhna and Vayaktitav Vikas by Yog Guru Swami Ram Dev Ji on 21.10.2015.

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

To contribute towards "**Beti Bachao-Beti Padhao**" campaign of the Hon'ble Prime Minister of India and also towards Women Empowerment, the University has created **ONE ADDITIONAL SUPERNUMERARY SEAT** in each of the UG/PG courses run by the University for those girl students who are the only daughter of their parents or who have one sister and not a brother. **Also the** University has made a provision for 45 days **MATERNITY LEAVE TO MARRIED GIRL STUDENTS**, so that they can continue and complete their education.

Total Computerization-A step towards paperless offices: Administrative offices like Accounts Branch, Examination Branch, Directorate of Distance Education, Admission Cell, Library etc. are at verge of full automation. The University has in-house designed and developed Result Preparation Software which prepares results, DMCs or degrees for all kinds of examinations conducted by the University. The University has implemented online admission process w.e.f. June 2015 in all courses. Computerized leave records have also been introduced. The University has implemented **Online Centralized File Movement and Tracking Information System (CeFMaTIS)**. Online Registration of students has been implemented. In addition, online submission of Sessional and Practical awards has been introduced.

#### 7.4 Contribution to environmental awareness / protection

The University organizes many environmental awareness programme(s) through department of Environmental Sciences, NSS Wing and university works department during the current year to sensitize the stakeholders to remain conscious and careful with respect to the environmental protection. Further, the Deptt. of Environmental Sciences & Engg. organizes awareness programmes from time to time.

Since, this University is named after Guru Jambheshwar Maharaja who was himself a great Saint and Environmentalist of fifteen century who enlightened the whole world with respect to environmental protection vis-à-vis lives on the earth planet.

It is evident from the fact that Guru Jambheshwar University of Science & Technology, Hisar has been awarded best infrastructure and green campus award during 2013-14 and to achieve hallmark that to in a geographic area which is known for desert is itself garner the sense of responsibility this University hold environmental awareness and protection. University also organize Annual Flower show and Van Mohtasava during the year.

The University has STP to treat sewerage water and treated water is reused for irrigation purpose and also in newly constructed hostels in flush through double plumbing system. The e-Richshaws will be introduced on the campus shortly.

7.5 Whether environmental audit was conducted? Yes  No

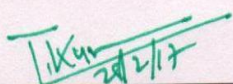
7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

Some of the New Innovations and Best Practices which the University would like to pursue are:

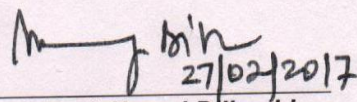
1. Complete automation of administrative offices of the University.
2. Explore the possibilities of Launching of some new B.Tech programmes.
3. Online Feedback/Satisfaction surveys from students, Alumni and Parents will be introduced.

#### 8. Plans of University for next year

1. Renovation and Up gradation of Laboratories in Department of Chemistry will be undertaken.
2. Sports facilities especially New Air Conditioned Gym will be developed.
3. The UCIC will also be further upgraded. Digital Library/ e-Book facilities for the benefit of research scholars, students and teachers of the university will be developed in Central Library. Placement activities will be further increased.
4. E-tendering will be followed for all purchases to improve transparency and efficiency.
5. New Sophisticated equipments will be purchased in Dr APJ Abdul Kalam Lab for research students.

  
28/2/17

**Dr. Tankeshwar Kumar , Vice-Chancellor  
Chairperson, IQAC**

  
27/02/2017

**Prof. Neeraj Dilbaghi  
Director, IQAC**