Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**GURU JAMBHESHWAR UNIVERSITY OF SCIENCE AND TECHNOLOGY**
Name of the head of the Institution	**Prof. B.R.Kamboj**
Designation	**Vice Chancellor**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**01662263101**
Mobile no.	**9053093001**
Registered Email	**iqacellgjust@gmail.com**
Alternate Email	**vc@gjust.org**
Address	**SIRSA ROAD DELHI BYE PASS**
City/Town	**HISAR**
State/UT	**Haryana**
Pincode	**125001**

2. Institutional Status

University	**State**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**state**
Name of the IQAC co-ordinator/Director	**PROF ASHISH AGARWAL**
Phone no/Alternate Phone no.	**01662263512**
Mobile no.	**9416672988**
Registered Email	**AAGJU@YAHOO.COM**
Alternate Email	**IQACELLGJUST@GMAIL.COM**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://www.gjust.ac.in/facility/iqac/2021/AQAR_2018-19_From_NAAC_site.pdf

4. Whether Academic Calendar prepared during the year

Yes

if yes,whether it is uploaded in the institutional website: Weblink :	http://www.gjust.ac.in/admin/calendar.html

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
2	**A**	**3.26**	**2009**	**15-Jun-2009**	**14-Jun-2014**
3	**A**	**3.28**	**2014**	**14-Dec-2014**	**09-Dec-2021**

6. Date of Establishment of IQAC

03-Jan-2004

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries

IQAC Annual Meeting in the Chairmanship of Hon'ble Vice Chancellor	21-Dec-2020 1	15
Applied for NIRF Ranking	07-Jan-2020 25	150
Applied for India Today MDRA Best Technical University Ranking	14-Jan-2020 15	125
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Faculty Of Engg and Tech	TEQIP-III	World Bank	2017 1275	63000000
Institution	RUSA-1	MHRD	2016 2005	194610000
Institution	RUSA-II	MHRD	2019 545	75000000
Institution	PURSE	DST	2017 1825	102500000
Deptt of Physics	FIST	DST	2016 2005	9500000
Deptt of Mathematics	FIST	DST	2017 1825	3500000
Institution	RUSA-1	MHRD	2017 2005	7500000
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View File](#)
10. Number of IQAC meetings held during the year :	**1**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	[View File](#)
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

12. Significant contributions made by IQAC during the current year(maximum five bullets)

31st NIRF RANKING 2020 IN PHARMACY CATEGORY. 94th RANK IN THE UNIVERSITY CATEGORY IN NIRF RANKING 2020. 101 150 RANK BAND IN OVERALL CATEGORY IN NIRF RANKING 2020. 6th – 25th RANK BAND IN ATAL RANKING UNDER GOVT. AND GOVT. AIDED UNIVERSITIES CATEGORY. 8011000 Rank Band in the globally prestigious Times Higher Education World University Ranking 2021,

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
Efforts will be made to improve the NIRF Ranking of the University under different categories of the University.	Dean FET, Dean Medical Sciences, Director HSB, Make efforts to improve the Ranking in NIRF 2020.
University will apply for NIRF Ranking under Management Category.	Director HSB, May ready to apply for NIRF 2020
Automation of Examination System	COE, office should take necessary action for improvement in Examination System
Recruitment of Teaching/Non-Teaching staff.	Establishment Br. and Faculty Br. may take necessary action at their end.
CBCS in all the courses of the affiliated colleges	DOC office and Academic Br. may take necessary action at their end.
In the light of revised NAAC guidelines, Course Objectives, Course Outcomes Programme Objectives, Programme Outcomes etc. should be implemented in all the course.	All Dean/ Directors & Chairperson of UTD may prepare for the coming NAAC team visit in 2021.
Mentoring of Non-Accredited affiliated colleges.	DOC office may Mentor the Affiliated colleges of GJUST.
Implementation of MOOCs in affiliated colleges.	DOC office, DAA and Academic Br. may take necessary action at their end.
Starting of Online Courses through Directorate of Distance Education	Director, Distance Education may start new Online Courses.
The University may develop software so that teachers can upload the attendance online.	Head, Pt DDU UCIC, may prepare a in house attendance software.

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14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
University Court	22-Apr-2021

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	03-Mar-2020
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	partly

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BTech	152	ECE	01/07/2019
[View File](#)			

1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BTech	ECE	01/07/2019	Computer Networks and IOT(PCC-ECE302-T), Consumer Industrial Electronics(PEC-ECE308-T), Artifical Intelligence Machine Learning(PEC-ECE411-T), Robotics(PEC-ECE412-T), Skill and Innovation Lab(PCC-ECE305-P), Data Structure Applications(ESC-ECE-30	01/07/2019

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BSc	Data Science	01/07/2019

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BSc	B.Sc. (Hons.) -Computer Data Science (w.e.f. 2019-2020)	01/01/2019
MA	hindi	01/08/2019
BSc	Psychology	01/08/2019
PhD or DPhil	Religious Studies	01/08/2019

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Indian Constitution (MC103T), Essential of Indian Traditional Knowledge(MC104T),English for Research paper Writing(AC-01), Diaster management(AC02), Value Education(AC04), Stress management by Yoga(AC07), Personility Development through life Enlighme	01/07/2019	71

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	BME	23

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
The Feedback is obtained from all the stack holders including Employer and parents, alumni etc. Analysis of the feedback is done at different levels. The Feedback from the students is analyzed by the Chairperson of the department for improving the course curriculum and other services of the university. The Controller of Examination improves the examination system so that the results are declared in time. Our university has various online services for the students for exam redressal. Feedback from teachers is analyzed at the central level for improving the teaching infrastructure and library services. The Feedback from other stack holders is also considered for the improvements and development of the university in various ways, The feedback obtained from employers is analyzed by the Training and Placement cell of the University for better education and placement of students.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
MCA	Computer Application	60	45	45
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	3228	1886	145	150	55

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
194	188	51	51	28	28
[View File of ICT Tools and resources]()					
[View File of E-resources and techniques used]()					

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

University has a student mentoring system well in place. All the students of the university have been assigned mentors by the respective chairperson of the department. This system has improved the capability and capacity of the student. All the faculty members are the mentors for a group of students. The various types of problems are discussed with the students and are solved by the mentors. This system has improved the institutional belongingness among the students.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
5205	295	1:18

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
312	199	113	11	127

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2020	S C KUNDU	Professor	SAJHRM-INDAM Best HR Division Paper Award:
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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	152	SEM	31/12/2019	16/06/2020
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
288	4800	16

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

http://www.gjust.ac.in/facility/iqac/2021/Program%20outcomes,%20program%20specific%20outcomes_281221.pdf

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
162	BTech	BME	16	7	41
[View File](#)					

2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

http://www.gjust.ac.in/feedback/2021/Feedback%20Analysis%20Report_291121%20.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	Sh. Bijender	G-7 Expert, Idealliance International	01/08/2019	Idealliance International
International	Sh. Pankaj kumar	G-7 Expert, Idealliance International	01/08/2019	Idealliance International
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3.1.2 – Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of the fellowship	Funding Agency
CSIR	1825	CSIR
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3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Total	Nill	Nill	398.31	336.88
Any Other (Specify)	1095	UGC- New Delhi -UGC New Delhi -AICTE- DST- DST- FIST	63.5	59.5
International Projects	1095	DST	23.1	7.7
Students Research Projects (Other than compulsory by the University)	00	Nil	0	0
Projects sponsored by the University	1825	DST	4	4
Industry sponsored Projects	00	NIL	0	0

Interdisciplinary Projects	1095	RUSA 2.0 -DST -DBT- Govt. of India- HSCST Haryana	130	99.95
Major Projects	1825	DBT - HRD	129.7	129.7
Minor Projects	180	GJUST, HISAR	48.01	36.03
		[View File](#)		

3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Skill Development Programme on - Accounting and Book Keeping	CIIP	10/02/2020
	[View File](#)	

3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Smart India Hakathon 2020	Team WHITEROSE	AICTE,MHRD,I4C	04/08/2021	SIH 2020 Software edition
Cost-effective Multifunctional Prosthesis for Disabled Persons	Mr.Munish Kumar	RUSA 2.0	02/09/2019	Teacher
Electrical Hybrid Bicycle	Mr. Ashish	PDUIIC	31/12/2019	Student
		[View File](#)		

3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Guru Jambheshwar University of Science Technology, Hisar	Pt. Deen Dayal Upadhaya Innovation and Incubation Center GJUST, Hisar	Ministery of Education Govt. of Inida, MHRD- under RUSA-2 scheme	NA	NA	01/05/2019
		[View File](#)			

3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded

Department	Number
Computer Science and Engineering	3
Electronics and Communication Engineering	2
Environmental Science and Engg	3
Haryana School of Business	12
Applied Psychology2	2
Physics	5
Mathematics	4
Chemistery	2
Bio nanotechnology	2
Physiotherapy	1

3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Physiotheraphy	23	Nill
International	Departnet of Bio and Neno Technology	9	Nill

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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
CSE	2

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3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
A CENTRALIZED PARKING SPACE MANAGEMENT SYSTEM BY USING DISTRIBUTED ANTENNA TECHNIQUES	Published	2020101498	06/08/2020
A SMART AND EFFICIENT SANITIZER DISPENSER ALONG WITH ALARM AND UV SANITIZATION MECHANISM	Published	2020101428	06/08/2020

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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
A	Sakshi	Internat	2020	3	Guru Jam	Nill

| prologue to Natural Computing in Remote Sensing (P ID-401/Session 10) | Dhingra, Dharminder Kumar | ional Conference SUSCOM-2020 (Sustainable Computing in Science, Technology and Management) held on January 20-22, 2020 organized by Amity University Rajasthan, Jaipur. Paper Accepted for JOURNAL IN INTERDISCIPLINARY MATHEMATICS (JIM), Taylor | | | bheshwar University of Scienc and Technology hisar | |

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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Cyber security against DDoS, Malware attacks using Machine Learning with Genetic Algorithm	Abhishek Kajal	IJSAT	2020	2	1	GJUST

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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	55	97	16	10
Presented papers	84	131	10	Nill

Resource persons	8	27	1	4

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
NIL	NIL	NIL	0

No file uploaded.

3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
NIL	NIL	NIL	0	0

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3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
MDP for Artisans	MSME Development Institute, Bhiwani, Haryana	1	20

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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Swach Bharat Summer Internship 2.0 organised by Dr. Rajiv, HSB	First position at district level	3 Haryana Batalion, NCC, Hisar	20

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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
District Youth Parliament (25-01-2019)District Youth Parliament (25-01-2019)	NSS,GJUST, Hisar	District Youth Parliament	7	65

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3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
MTech Research Scholar 2	2	0	180

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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Joint Publication	Modeling of neutron radiation- induced defects in silicon particle detectors	CDRST, Department of Physics and Astrophysics, University of Delhi, India , Guru Jambheshwar University of Science and Technology, Hisar, India, Swami Shraddhanand College, University of Delhi, India	03/08/2020	10/08/2020	7

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3.7.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
ICAR-National Research Centre on Equines, Hisar	05/12/2019	Promotion of Research Extensions	10

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
1163	725.47

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Seminar Halls	Newly Added
Laboratories	Newly Added
Class rooms	Newly Added
Campus Area	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added
Seminar halls with ICT facilities	Newly Added
Classrooms with LCD facilities	Newly Added
Video Centre	Existing
Others	Existing
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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
KOHA	Fully	2001	2017

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	105139	152907522	7503	6578276	112642	159485798
e-Books	700000	Nill	177149	593041	877149	593041
Journals	284	832217	212	661115	496	1493332
e-Journals	175000	242334	8100	2631239	183100	2873573
Digital Database	3	207000	2	975095	5	1182095
CD & Video	18340	Nill	Nill	Nill	18340	Nill
Library Automation	1	59000	Nill	Nill	1	59000
Others(specify)	32	Nill	1	510265	33	510265
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
R.Basker	M.Sc Programme : Disaster Management, Block 1, Block 2, Block 3	IGNOU, New Delhi	15/09/2020
Dr Neeraj dilbaghi	Course Coordinator, Annual Refresher Program on Pedagogical Innovations Research Methodology	Swayam	01/10/2019

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	1146	36	165	125	0	94	48	1024	15
Added	350	12	2	50	1	2	1	0	0
Total	1496	48	167	175	1	96	49	1024	15

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

1024 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Recording studio	http://www.gjust.ac.in/department/cmt/cmt_if.html

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
545.4	464.92	542.82	248.15

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

The various infrastructural facilities in the campus include Eight Teaching Blocks, Four Boys Hostels, Four Girls Hostels, One Working Women Hostel,

University Central Library, Research Laboratories in each Department, University Computer and Informatics Centre, Administrative Block, University Health Centre, University Sports Grounds, Two Multipurpose Halls for Indoor Games, Guest House, Faculty House, Residences, University Cafeteria, Shopping Complex, Open Air Theatre, Post Office, Bank, Guru Jambheshwar Bhawan, Water Treatment Plant, Sewerage Treatment Plant, Animal House, Bio-Nano Technology Centre, Haryana School of Business, Central Instrumentation lab, Ch. Ranbir Singh Auditorium is the technical jewel of the University. The auditorium gigantic structure is capable of accommodating hundred to eighteen hundred persons at one go in its four states of the art seminar halls and theatre construction for convocations, conferences, seminars, workshops, concerts, ballets, film shows, plays, and other stage performances, etc. of national international level. Dr B.R Ambedkar Univ. Library The Library has a circular designed three-story building with a seating capacity of 400 seats. The Library runs in two shifts from 9.00 am to 7.00 pm and remains open on Saturday and Sunday also. The timings of Night Reading Hall are 8.00 am to 12.00 Midnight. During examination days, these remain open ROUND THE CLOCK. The Library has a collection of 106566 books and 5622 bound volumes of Journals. The Library has received 284 Indian Journals, 41 Magazines, and 20 Newspapers. The Library, in its electronic repository, has the access to 7500 e-journals of 19 publishers through UGC-INFONET Consortium under e-Shodhsindhu Project. Besides this, the Library has perpetual access to SPSS and also subscribed to Prowess, POP of IEEE. Also, NPTEL (National Programme on Technology Enhanced Learning) Video Lectures are available on the Campus Wide Network. A DD Free Dish under the SWAYAM PRABHA Programme initiated by the Government of India having 32 Educational Channels has been installed in the Video Conferencing Hall of the library. Further to cope up with the current information demands of the science users, the library has taken the lifetime Institutional membership of the Current Science Association. To access databases and e-resources, the Library has established two labs i.e. Research Database Lab for the Research Scholars Faculty Members and SC/ST students Lab with a state-of-the-art facility. Besides, the University Library provides the facility to detect check plagiarism with Turnitin: An Anti-Plagiarism Software. Moreover, to provide the access of university these in the public domain, the Library has signed the MoU with INFLIBNET(Information Library Network Centre), Gandhinagar for Shodhganga Repository and accordingly the soft copies of these are being sent to INFLIBNET as and when received in the Library for uploading into Shodhganga Repository. Apart from the above, the Library has the membership of the National Digital Library of India, which is the biggest repository of its kind of e-resources for the students. Pandit Deendayal Upadhyay Computer and Informatics Centre (DUCIC) is a central facility to meet the computing requirements of all the students, research. http://www.gjust.ac.in/admin/policy.php

http://www.gjust.ac.in/admin/policy.php

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Fee concession Half fee, Full fee, BPL and others	91	5630440
Financial Support from Other Sources			
a) National	PMSSS MHRD,POST MATRIC SCHLORSHIP,	312	10989890

	RESEARCH UNDER WORLDBANK TEQIP-III, Post Metric ScholarShip etc		
b)International	0	Nill	0

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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Yoga for health 7 days e- workshop	14/06/2020	209	Physiotherapy,GJUST,Hisar
HSB presented The Brain Power The Aptitude Quiz	03/06/2020	360	HSB Training Placement Cell GJUST
HSB presented a video resume competition	05/06/2020	360	HSB Training Placement Cell GJUST
Aptitude Development	10/02/2020	360	HSB Training Placement Cell GJUST
3 days Personality Development Programme	11/02/2020	180	HSB Training Placement Cell GJUST
Industry Interaction Programme	04/11/2019	360	HSB Training Placement Cell GJUSTHSB Training Placement Cell GJUST

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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	GATE,NET Coaching	131	170	4	33
2020	NET, Gate	329	364	73	118

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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
8	8	15

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
Daffodil Software Ltd	119	2	TCS	70	11
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	2	MSc	Environmental Sciene and Engg.	GJUST	Ph.D
View File					

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
NET	42
View File	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
HSB Students Stock Exchange Inaugurated (10.09.2019)	Intra Departmental	98
View File		

5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Best Student Award	National	Nill	Nill	16171004	Nirol
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Students are actively involved in various departmental activities online/offline, e.g., Celebrations of National Science Day, Conferences/Seminars/Workshops, Participation in Independence and Republic Day, Celebration of Teachers Day, Alumni meet, Placement activities. Students feedback on courses/teaching methods is also entertained.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

 Yes

The major objectives of the Department of Alumni Relations are to:- i. Establish a link with the GJUST alumni and enroll them as members of GJUSTAA ii. Provide an interactive platform to students and alumni by organizing alumni meet iii. Establish liaison between University Alumni Association and other similar associations in the country and abroad iv. Undertake activities that help the current students in grooming for and availing better placement opportunities v. Raise various endowment funds, and award stipends out of it to the deserving students on need-cum-merit basis vi. Institute and disburse scholarships, fellowships, medals, awards, etc. to the meritorious students of the university out of the corpus of the Association vii. Seek donations from alumni and potential donors for promoting various righteous activities of the Association viii. Suggest ways and means for the participation of the alumni in the working of the University ix. Honour distinguished alumni who have brought national/global acclaim in their respective domains The proclaimed aims and objectives of the Association are to: a. Foster a sense of belongingness among the alumni of the University b. Provide a forum for the alumni for the exchange of ideas on academic, cultural, and social issues of the day c. Disburse scholarships to the outstanding students of various disciplines of GJUST. d. Guide and assist the students for better placement in their respective fields e. Look after the general interests of the alumni of the University f. Bring out publication for the fulfillment of the objectives of the Association. g. Arrange social and cultural functions. h. Open branches of Association in various parts of the country and across the world, and i. Perform all other activities in furtherance of the objectives of the Association.

5.4.2 – No. of registered Alumni:

158

5.4.3 – Alumni contribution during the year (in Rupees) :

158000

5.4.4 – Meetings/activities organized by Alumni Association :

1. Alumni meet 2. Global Alumni Meet, Webinars

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The University has established three different committees, namely, Technical Committee, Academic Committee and Administrative Committee at the various departmental level. Now all the decisions regarding the departments are taken by theses committees. All the Faculty members are involved in various capacities in theses committees. This has been an unique example of decentralization and participate management. The faculties and staff have been assigned different responsibilities for the growth of the department. The students have also been associated with different activities and responsibilities for their as well as department growth. All matters are also deliberated in Staff Council. The teaching and research work in the department is coordinated through Departmental Research Committee. Academic matters are deliberated in BOSR. Meetings of BOSR /Staff Council/ DRC/other Committees are held regularly. Financial and administrative powers rest with Chairpersons and

6.1.2 – Does the institution have a Management Information System (MIS)?

Partial

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	HSB updates the curriculum regularly. The curriculum development strategies focus on making the course more industry-oriented, applied, and innovative to keep the students abreast with the latest changes and developments in the business environment. Students are offered Electives, open electives for enhancing their knowledge and skills in the desired areas.
Teaching and Learning	HSB gives its faculty members choose to adopt teaching methodologies for their respective subjects. All the faculty members use Information and Communication Technology, quizzes, group discussions, industrial and institutional visits, etc. To enhance the multi-dimensionality of the discipline, eminent personalities from academics, the corporate sector, and the government are invited for guest lectures and speaker sessions.
Library, ICT and Physical Infrastructure / Instrumentation	Internal examinations are held in HSB in every examination. Moreover, Faculty members are encouraged to assess students through multiple evaluation methods such as presentations, written examinations, and group discussions. The external examinations are scheduled at the university level.
Research and Development	HSB has Department Research Committee. All HSB faculty members are Ph. Ds and are ardent researchers. The department has a strong team of JRFs and other scholars pursuing quality research work. The department provides a research-friendly environment as we are equipped with statistical software, online journals, and software for checking plagiarism. HSB organizes Annual National Conference on Business and Management every year.
Library, ICT and Physical Infrastructure / Instrumentation	All the classrooms are ICT-enabled. DLPs, Internet-enabled Desktop in every class. Desktop/ laptops with a wifi dongle, headphones, webcam printers for

Industry Interaction / Collaboration	Resource persons from industry are regularly invited to interact with the students to increase their employability. All the MBA students compulsorily undergo summer internships.
Admission of Students	Admission of the students are done as per the Haryana Government regulations and university rules. Online applications are invited from the prospective students. Entrance exams are conducted. Online fee submission is done. Admission to MBA programmes is also done on the basis of CAT score.

6.2.2 – Implementation of e-governance in areas of operations:

E-governace area	Details
Finance and Accounts	Every pqyment has been received only by degital mode, No cash transaction is made in the University
Administration	Some administrative activites were done by the digital mode and some by manually.
Student Admission and Support	More than 90 of the administrative activates were done by the digital mode.
Examination	More than 80 examination has completed digitally.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Sardul Singh Dhayal	ICC 2019, Bikaner	GJUST	10000
2019	Vijay Pal Singh	Worksop on Robotics	e-Yantra	23758
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6.3.2 – Number of professional development / administrative training programmes organized by the University for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2020		Nil			23	Nill

Planetary Geosciences		08/06/2019	12/06/2019		

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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
FDP ON Emerging Trends in Soft Computing Technologies (Sponsored by TEQIP-III)",	1	20/01/2020	25/01/2020	6

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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
11	6	7	7

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Medical facility, Maternity leave, Paternity leave, Child care leave	Non-teaching Medical facility Maternity leave Paternity leave Child care leave	In house Medical facility, Student Insurance

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Every payment has been released after the audit by the Haryana State Local Audit The University has both Internal and State Govt. Audit. Each and every financial transaction is mandatory to be approved either by the Internal Audit Cell or by the State Government Auditors, followed by the post-audit. All the rules framed by different organizations are followed while making any financial transactions. The appointment of the auditors in the university is made by the finance department of the state government.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
DST PURSE	380000	For research

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6.4.3 – Total corpus fund generated

10

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Yes,One external Member	Yes	By the Department Itself
Administrative	Nill	Haryana Govt Local Audit	Yes	By the Inter office staff

6.5.2 – What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if applicable)

Time to time all necessary measures are taken to promote autonomy in the affiliated colleges.

6.5.3 – Activities and support from the Parent – Teacher Association (at least three)

1 Feedback from parents is obtained for improving the performance of the students. 2 The annual meeting of parents and teachers are held in respective departments for improvements. 3 Parents are invited if there is any issue regarding the student.

6.5.4 – Development programmes for support staff (at least three)

1 Time to time workshops are conducted by CIIP, CIL and HRDC. 2 The University computer center conducts training on various ICT tools. 3 training is also carried out for various technical staff appointed in the university.

6.5.5 – Post Accreditation initiative(s) (mention at least three)

1 ALL THE ACADEMIC PROGRAMMES ARE APPROVED BY THE STATE GOVT. AND REGULATORY BODIES. 2 BETI BACHAO-BETI PADHAO ABHIYAN 3 ADDITIONAL SEATS FOR SINGLE GIRL CHILD 4. MATERNITY LEAVE FOR STUDENTS 6 MONTHS 5 UNNAT BHARAT ABHIYAN SWACHH BHARAT ABHIYAN VILLAGES ADOPTED. 6 ANTI-PLAGIARISM SOFTWARE i.e. TURNITIN IS AVAILABLE 7 DIGITAL LEARNING AND MONITORING CELL HAS BEEN ESTABLISHED 8 PRADHAN MANTRI KAUSHAL VIKAS YOJANA: 5 COURSES HAVE BEEN COMPLETED IN 2017-18 9 PANDIT DEEN DAYAL UPADHYAYA INNOVATION AND INCUBATION CENTRE: PROJECTS AWARDED TO THE STUDENTS. 10 SEWAGE TREATMENT PLANT: CAPACITY OF 2.5 MLD. 10 GREEN CAMPUS OF THE YEAR AWARD: BY THE WORLD MANAGEMENT CONGRESS. 11 NOS. OF RAINWATER HARVESTING SYSTEMS. 12 MW SOLAR POWER PLANT HAS BEEN INSTALLED. 13 05 NOS OF E-RICKSHAWS. 14 AWARD TO THE TOPPER STUDENTS OF INTERNAL ASSESSMENT EXAMINATIONS.

6.5.6 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	No
d)NBA or any other quality audit	Yes

6.5.7 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2020	IQAC Annual Meeting in the Chairmanship	21/12/2020	21/12/2020	21/12/2020	15

| 2020 | Applied for NIRF Ranking | 07/01/2020 | 07/01/2020 | 07/01/2020 | 150 |
| 2020 | Applied for India Today MDRA Best Technical University Ranking | 14/01/2020 | 14/01/2020 | 14/01/2020 | 125 |

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
0	Nill	Nill	Nill	Nill

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
A Roof Top Solar Power Plant of 1 MW capacity on Power Purchase Agreement (PPA) MODE HAS BEEN SET UP IN THE University Campus on terraces of the various buildings of the University. This plant has been set up in line with the vision of the State Govt. of Haryana as well as Govt. of India for setting up more and more power plants and to harness the energy of the Sun for the generation of electricity. 05 nos of E-Rickshaws move on the University roads to take the students/staff from one place to another that too without harming the beauty of the Green Campus. A sewage Treatment Plant with a capacity of 2.5 MLD has been installed on the Campus. The quality of treated effluent is excellent and less than 10 BOD which is fit for irrigation purposes. Disposal of biological waste through a synergy waste management system including microorganisms and laboratory animals has been established. The University has the Policy on the use of Biological Resources by the Researchers Scientists/ Universities/Educational Institutions regarding the compliance of the National Biodiversity Act, 2002 and National Biodiversity Rules, 2004. With the goal to save water 25 nos. of Rain Water, Harvesting Systems have been installed in the hostels/buildings. To irrigate the lawns, a water sprinkler system has been provided to optimize the use of water. Fly-ash bricks/AAC blocks are being used on the various construction sites on the University Campus. Vermi Compost manure is being made on the campus from the waste material such as leaves of the trees

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	No	Nill
Provision for lift	No	Nill

Rest Rooms	Yes	Nill
Ramp/Rails	Yes	Nill
Any other similar facility	Yes	Nill

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	Nill	Nill	Nill	00	Nil	Nil	Nill

No file uploaded.

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
A foundation course in Human Values and professional Ethics	30/06/2010	R.R Gaur, R Sangal, G P Bagaria, A foundation course in Human Values and professional Ethics, Excel books, New Delhi, 2010, ISBN 978-8-174-46781-2
A foundation course in Human Values and professional Ethics – Teachers Manual	30/06/2010	The teacher's manual R.R Gaur, R Sangal, G P Bagaria, A foundation course in Human Values and professional Ethics – Teachers Manual, Excel books, New Delhi, 2010
A set of DVDs containing	30/06/2010	A set of DVDs containing Video of Teachers' Orientation Program PPTs of Lectures and Practice Sessions Audio-visual material for use in the practice sessions

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Diwali Mela: A festival of lights	23/10/2019	23/10/2019	175
On-line Slogan writing competition on Covid-19	15/05/2020	15/05/2020	204
On-line Slogan writing competition on Covid-19	17/05/2020	17/05/2020	123

On-line State Level Poetry Competition on COVID-19	20/05/2020	20/05/2020	44
Faculty Development Programme on "Emerging Trends in Soft Computing Technologies (Sponsored by TEQIP-III)	20/01/2020	25/01/2020	112
Webinar on Recent Advances in Machine learning	28/07/2020	28/07/2020	108
Webinar on Edge Computing and IOT	06/08/2020	06/08/2021	120
Webinar on Block Chain Technology	14/08/2020	14/08/2020	98
Webinar on Data Science Transformation Journey	29/08/2020	29/08/2020	106

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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. 100 Energy efficient types of equipment installed. 2. Rooftop solar panels on all the university buildings. 3. E rishkaws are used. 4. Use of Sewerage treatment plant 5 Pitcher irrigation system is used.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

INTERNAL QUALITY ASSURANCE CELL GURU JAMBHESHWAR UNIVERSITY OF SC. TECHNOLOGY, HISAR BEST PRACTICE- I 1. Title of the Practice: ACQUIRE KNOWLEDGE THROUGH RESEARCH AND INNOVATION 2. Objectives of the Practice Guru Jambheshwar University of Science and Technology, Hisar, Haryana is a research-oriented university with an aim to create and transmit knowledge through quality research for the benefit of the society, nation, and the world. Some deliverables generated to quantify the outcomes and value of the inputs that go into research at the University are: • Generation of Knowledge through Research Outcomes to enrich teaching and application • Extramural Research Projects for generation and expansion of knowledge • Research Publications in journals of repute • Patents, for generation of novel technology • Technology Transfer for societal benefits • Promote Entrepreneurship • Extension services in neighborhood villages/communities The University encourages the advancement of knowledge through research-based activities by providing University research grants supporting initiatives through state-of-the-art infrastructure and excellent research laboratory facilities. 3. The Context The vision and mission of the University are primarily focused on research and its deliverables. Research funds received from extramural sources University Research Grants research-based curricula and research supervision of M.Tech/M.Pharm/Ph.D. students at the University have yielded quality publications, citations, distinguished awards/honors received by faculty and research scholars, etc. These have helped raise the h-index of the University to 95 within a short span

of 25 years. 4. The Practice The University has a robust system for the promotion of research and innovation which includes the Research Promotion Board and an established structure of Department-wise Boards of Research Studies and Departmental Research Committees. The University also has a vibrant and dynamic Research Policy, Consultancy Policy, and Ethics Policy that encourage knowledge generation and ethical research practices. The excellence in research and innovation as reflected in various practices is as follows: • h-index and Citations- the h-index of the University has risen to 95, in a span of 25 years of establishment as of 2020. Guru Jambheshwar University of Science and Technology has been reported to have a total number of citations of 54662 and over 3049 publications. • Extramural and DST PURSE Grant-The University was the recipient of a DST-PURSE Grant of Rs 10.25 crore. Several Departments are supported under UGC-SAP/CAS, DST-FIST excellence grant. • Awards, Collaborations, Conferences: Faculty members have also received worldwide recognition for their quality research publications, patents, collaborations, and the successful integration of acquired knowledge into practice. Several grants have been instituted to encourage faculty members and research scholars to present their research findings at prestigious national and international conferences, which give them a chance to interact with and develop collaborations and joint research ventures with key academic institutions, industry, government, policymakers, and research sponsors. • Research Development Grants for Department faculty: The University for its young faculty members provides research grants to promote research among department faculty and enrich the research base of the University. Teachers in the cadre of Assistant Professor and Associate Professor who do not have minor or major projects are given preference. • IPR Cell and Patent Fund: The University has an Intellectual Property Rights Cell and a Patent Fund to support intellectual property filing needs and spread awareness in the area. Guidelines for Technology Transfer by the faculty have also been framed. • Publication Grant, Funds for Organizing and attending National and International Conferences: As an incentive for furthering research outcomes, University provides gives funds for organizing conferences to the Departments and also provides funds for attending National and International Conferences. • Innovation Centre and Technology-Based Incubator The aim is to promote emerging technological and knowledge-based innovative ventures that seek to nurture ideas from professionals beyond the traditional activities of micro, small and medium enterprises (MSMEs). 5. Evidence of Success The success achieved in various initiatives is as below: • The publication profile of the University is not only impressive in its content but also admirable in terms of its diversity. The quantum of research publications by the faculty members includes articles in peer-reviewed journals, publications in the form of monographs, chapters in books, edited books, and books with ISBN numbers amounting to 3500. • Faculty members have received grants every year as a result of their outstanding contribution to research. • The faculty have received various awards and national and international recognition for their work. • The University has signed 42 MoUs with foreign universities and institutions of importance in India for research collaborations. • The University grants to Department faculty have empowered them to undertake research, resulting in publications including research papers, books, etc. 6. Problems Encountered and Resources Required The University has the potential to increase interdisciplinarity in curricula and application-oriented components of its research programs, which would generate human resources with more skill sets to enhance employability. The Innovation Projects and RD Grants to faculty would need to be continued and strengthened for the applied components to facilitate technology development and social outreach. There is also a requirement of constant and sustainable inflow of finances for carrying out research initiatives, including up-gradation of infrastructure for research and rewarding excellent research work. BEST PRACTICE II 1. Title of the Practice: SUSTAINING GREEN CAMPUS THROUGH

SCIENTIFIC AND ECO-FRIENDLY INTERVENTIONS 2. Objectives of the Practice A Green Campus is a place where environment-friendly practices and education combine to promote sustainable and eco-friendly practices. The green campus concept offers an institution the opportunity to take the lead in redefining its environment culture and developing new paradigms by creating sustainable solutions to environmental, social, and economic needs. Guru Jambheshwar University of Science and technology has been established on the principles of Saint Guru Jambheshwar a saint, who envisioned in the fifteenth century the need of saving nature and initiated the sect to preach and follow the path of harmonious growth with nature. Guru Jambheshwar University of Science and Technology came into existence on October 20, 1995, on a barren desert. Today the university is standing on three hundred seventy-two acres of lush green land. The University is committed to the protection of the environment and conservation of natural resources, while ensuring the quality of life on the campus, through the adoption of innovative practices and action plans. The objectives of the practice are • Promote environmentally responsible practices and behaviour • Reduce inefficiencies in the use of water and energy, reduce waste, promote local greenery • To conserve biodiversity and reduce heat island effect, improve water holding capacity • Promote alternative sources of energy, and achieve considerable resource savings 3. The context Since the university is established on the preaching's of Saint Guru Jambheshwar Ji, practices that contribute to making an eco-friendly campus namely conservation of Water, control of Air Noise pollution, Land, Parking, preservation of Flora Fauna, Solid Waste Treatment, Nursery, Solar Systems, etc. has been adopted 4. The Practice Tube lights have been replaced with LED lighting fixtures older fans replaced with more energy-efficient fans. The Solar power of 1MW is to be produced by the campus. The solar plant's implementation and management have been outsourced to a company. Passive building design strategies, energy-efficient fixtures, renewable energy generation, high tree density on the campus and around it helps bring down the ambient temperatures. Water—Initiatives to encourage responsible water management via rainwater harvesting, wastewater treatment systems, water-efficient fixtures are installed on the campus. The campus has adopted a mechanism of channeling rainwater towards large and open areas —the purpose is to enable maximum percolation of the rainwater into the ground. Rooftop rainwater is directed to the wells through a drainage network. Wastewater management: GJUST has its own wastewater treatment facility, with a current capacity to treat 2.5 million liters daily (MLD). The capacity can be increased to 5 MLD in the future if required. The treated water is used to irrigate the grounds of the campus. Land— Initiatives have been taken to maximize benefits from the available land. The University is home to a variety of exotic species of plants and trees. The campus has devoted a large area to plantations. The key features of the campus are shaded walkways, decorative trees, and well landscaped and maintained lawns. The University has embarked on a plantation drive spread over 380 acres of its campus. Air—Air quality is maintained through green mobility and plantation. The total number of trees on the campus is about 22000. The University organizes plantation campaigns every year E-rickshaws: E-rickshaws are allowed to ply inside the campus to aid in the mobility of the staff and students. Green infrastructure: Provisions like tree-lined and shaded cycle tracks and bicycle stands have been built along all the main routes on the campus. Waste—Waste Segregation, inorganic waste management, organic waste treatment, educating students regarding waste segregation, single-use plastics, etc., and policies are adopted for solid waste minimization and management. 5. Evidence of success Energy: The initiative of installation of LED and Solar rooftops has led to a cost-benefit of approximately Rs 5 lakh in energy bills for each month.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your

institution website, provide the link
http://www.gjust.ac.in/facility/iqac/2021/Best_Practices_GJUST_141221.pdf

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

A total of 2893 research papers published by the faculty in peer-reviewed journals of national and international repute have been listed on Scopus with over 39120 citations. One Paper cited more than 1492 times, 55 papers cited more than 100 times, and average paper citations 14.63. At present, the h-Index of the University has also gone up to 90 from 17 in 2009-10. Eight departments of the university have been awarded the SAP-DRS projects by UGC while three departments have been awarded FIST grant from DST, Nano Mission Grant from DST, HRD, and BIF grant DBT Govt. of India. The MHRD, Government of India, and the UGC have approved the inclusion of this university in the Global Initiative of Academic Networks (GIAN Project) which is a prestigious and ambitious scheme for significantly uplifting the quality of teaching-learning processes in the institutions of Higher Education in India. The University has been sanctioned a grant of Rs.19.46 Crore for infrastructure development Rs.1.0 Crore for Human Resource Development Centre from the Department of Higher Education, Ministry of Human Resource Development, Govt of India Under Rashtriya Uchchtar Shiksha Abhiyan (RUSA-I). DST, New Delhi has sanctioned a grant of Rs.10.25 crores under the PURSE program to the University. The University has also been sanctioned Rs. 50 crores under RUSA-II MHRD for research and innovation. The Dr. APJ Abdul Kalam Central Instrumentation Laboratory (CIL) is established for the students, research scholars, and teachers of the university who are actively engaged in RD activities in the emerging areas of Science, Technology Engineering. The CIL is presently having sophisticated instruments like –Nuclear Magnetic Resonance (NMR) Spectrometer (400MHz), Atomic Absorption Spectrometer (AAS), UV-VIS-NIR Spectrophotometer, Fourier Transform Infrared (FTIR) Spectrometer, Differential Scanning Calorimeter (DSC), Microwave Plasma Atomic Emission Spectrometer (MP-AES), Microwave Synthesizer, Mass Spectrometer - Liquid Chromatography-Mass Spectrometry (LC-MS/MS QTOF), Ultra High-Performance Liquid Chromatography (UHPLC), High-Resolution Field Emission Scanning Electron Microscope with EDS (FE-SEM), Raman Spectrometer and Flash Chromatography. The CIL cater to the needs of the students, research scholar, and teachers of this university as well as other educational institute and industry in order to promote research activities.

Provide the weblink of the institution
http://www.gjust.ac.in/facility/cil.html

8.Future Plans of Actions for Next Academic Year

FUTURE PLAN FOR 2021-22 1 The University is named after the great environmentalist saint Guru Jambheshwar Ji Maharaj therefore, a separate green building in the name of Amrita Devi Ji may be constructed for the Department of Environmental Science and Engineering. 2 The research laboratories in the Department of Chemistry and all other departmental laboratories be constructed with all safety measures. 3 Periodically department wise workshops on students counselling are organized. 4 Psychological Counsellor should be engaged for psychological counselling of the students, staff etc. 5 Arrangement for the disposal of hazardous chemicals from various departments is made on a priority basis. 6 As the number of students have been increased in the University and a large number of Colleges are also affiliated with the University, therefore, the sports facilities in the sports complex should also be strengthened. 7 As the University is named after Guru Jambheshwar Ji Maharaj therefore, a museum on the name of Guru Jambheshwar Ji Maharaj be constructed in the University to showcase

the various teachings of Guru Jambheshwar Ji Maharaj. 8 The University should celebrate vehicle-free days regularly. 9 The doctors should be there in the University Health Centre 24x7 with all medical facilities as well as paramedical staff and SMO should ensure the same. 10 Doorstep services should be started to be the University Health Centre. 11 24x7 University Ambulance Service be available for all stakeholders in the University. 12 New Hostels for Boys/Girls be constructed. 13 E-Vehicles should be purchased/engaged in the University Campus. 14 Department of Computer Science and Engineering has a large number of students, therefore, an appropriate extension of Teaching Block -6 be made. 15 Arrangements be made to provide a building to newly started courses/streams/departments such as: i) Civil Eng. Dept. ii) Lecture halls/labs for Physiotherapy Dept. iii) Shed for Yoga Dept. iv) Department of Economics and Data Processing. v) Hostel for International students.