Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**BALAJI INSTITUTE OF TECHNOLOGY AND SCIENCE**
Name of the head of the Institution	**V.S.HARIHARAN**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**918978897333**
Mobile no.	**9963976545**
Registered Email	**principal@bitswgl.ac.in**
Alternate Email	**vsh1968@gmail.com**
Address	**Laknepally (V), Narsampet (M), Warangal (Dist).**
City/Town	**Warangal**
State/UT	**Telangana**
Pincode	**506331**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Dr.M.Palanisamy**
Phone no/Alternate Phone no.	**919443822024**
Mobile no.	**7799878950**
Registered Email	**mpalanisamym@gmail.com**
Alternate Email	**venunookala@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.bitswgl.ac.in/internalqualityassurancecell.php?id=Annual_Reports_Of_IQAC_and_AAA

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.bitswgl.ac.in/Academic-calender.php

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B+**	**2.57**	**2018**	**03-Jul-2018**	**02-Jul-2023**

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**12-Oct-2012**

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

To apply at least 2 UGC and AICTE Minor & Major Research Projects	16-Jul-2019 1	35	
Orientation Programme for Newly Recruited Faculty	07-Aug-2019 1	13	
Awareness Programme on Establishing Startups	14-Aug-2019 1	73	
One day Seminar on Research Methodology	23-Aug-2019 1	34	
One day awareness program on how to apply for sponsored projects	17-Oct-2022 1	50	
Awareness Programme on Webinar	23-Nov-2019 1	48	
One day Workshop on Data Analysis using Excel	11-Sep-2019 1	65	
Two Days Workshop on HTML	27-Jan-2020 2	84	
One Day Workshop on Legal Rights for women	27-Jan-2020 1	51	
One Day Workshop on Statistical Package for Social Sciences	03-Aug-2020 1	60	

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8. Provide the list of funds 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
Department of Mechanical Eng.	Workshop	DST	2020 2	40000
Institution	Entrepreneurship & Development Cell (EDC)	DST	2019 3	20000
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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 :	**5**
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)

• Internal academic and administrative audits • Conducted workshop • Mentor Mentee System • Preparing NAAC documentation work • Conducted Orientation Programmes for the Students • Conduct of NSS activities. • Skill improvement of students by conducting Soft Skill Courses

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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
NBA Accreditation to be done	NBA Accredited Civil, Mechanical, ECE and CSE
NAAC Accreditation preparation	Prepared and progress for NAAC
Enrol and resister for NPTEL Online courses	Many faculties enrolled
Every department should sign MOU with various companies	Signed MOU with various companies
Motivating faculty members to patent filing	Filed patent
Quality initiatives program the faculty and students	Various Quality initiatives program conducted through IQAC
Plastic free campus	Plastic free campus program conducted by NSS students
ISO 9001:2015 Quality Audit and ISO Certification.	ISO 9001:2015 Quality Audit and ISO for Certified
Conduct Entrepreneurship program for students	Program conducted by EDC
Organize conference/workshop/seminar and FDP	All the departments Organized conference/workshop/seminar and FDP
[View File](#)	

14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
Governing body	11-Jan-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	**Yes**
Date of Visit	**12-Apr-2019**
16. Whether institutional data submitted to AISHE:	**Yes**
Year of Submission	**2020**
Date of Submission	**27-May-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)	**The Institute has an MIS. The modules currently in operation include the admission application management system, the student information system, Learning Management System among others.**

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

The Institution has a well-structured curriculum delivery plan. 1. Planning: (i). Academic calendar and subject allotment The college is affiliated to JNTUH, Hyderabad and follows the curriculum prescribed by the university.Academic Calendar is prepared in alignment with the University's calendar for each semester. Subject allocation is done based on faculty competency and experience. Faculty prepares the Course Delivery Plan (CDP), lecture notes andquestion bank. (ii). Preparation of draft Academic Administration Plan (AAP) Every subject teacher prepares the draft AAP. AAP includes course objectives & outcomes, real life application mapping, academic resources, allied MOOC/ Value Added Courses(VAC), lesson plan, assignments, tutorial/practical plan, evaluation scheme for grading. The individual teaching plans of every subject are uploaded by the respective teacher on the college automation software along with the calendar. (iii). Interactive Cluster Meetings for identifying gaps and strengthening of AAP Courses of similar domain are brought under one cluster. The Institute has 50 such Clusters having one internal and two external mentors (Academic & Industry). Gaps in the curriculum are identified through structured feedback from the stakeholders and Inputs are received from Departmental Advisory Board (DAB) and cluster mentors. Accordingly Beyond Syllabus Activities (BSAs) are planned. (iv). Academic Preview Process (APP) APP is conducted at the beginning of each semester for academic planning, constructive feedback and continuous improvement. HOD verifies and validates the academic preparedness (including University exam paper solution, Assignments, Internal Assessment (IA) question papers) as per

the standard Preview format and suggestions are given, if required. The staff is constantly encouraged to attend refresher courses, workshops and seminars to update their knowledge. 2.Curriculum Delivery: An active plan is formulated by the institution to ensure effective delivery of Curriculum through Lectures and Lab Sessions. Tutorial classes are arranged for the analytical courses for enhancing students' problemsolving skills. Curriculum Enrichment is done through Student Centric learning Methods like Industrial Visits, guest lecturers Internships, Workshops, Mini projects, Group Projects, student debates, Group Discussions, debates, Seminars, Presentations, Role plays, Value Added Courses, Certificate Courses, use of new tools /simulators, MOOC (NPTEL etc.). 3. Monitoring implementation of Curriculum delivery: Academic coordinators closely monitor content delivery of the courses and give feedback to HOD. 4. Monitoring effectiveness of student learning: Continuous evaluation is maintained by conducting tests after completion of every unit. Valued answer scripts are returned to the students with suggestions to improve wherever necessary. Advanced learners and slow learners are identified and necessary actions are initiated. Students are encouraged to publish their project work in Conferences / Journals. 5. Feedback and Takeaways: Students' feedback is taken on various prescribed parameters and corrective measures are taken to enforce necessary changes by the HODs and principal. Course Exit Survey is carried out to understand the course efficacy. Academic Review Process is carried out at the semester end to verify implementation of AAP. Result Analysis is carried out to study the students' performance to initiate the corrective measures.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
Auto CAD Professional level	Nil	05/08/2019	15	Employabil ity	SKILL DEVELOPMENT
3-D Electrical Cad designing -	Nil	03/02/2020	10	Employabil ity	SKILL DEVELOPMENT
Auto CAD professional Level	Nil	02/03/2020	15	Employabil ity	SKILL DEVELOPMENT
n Big Data Analytics through Hadoop	Nil	09/03/2020	10	Employabil ity	SKILL DEVELOPMENT
Workshop on Python 101	Nil	17/02/2020	15	Employabil ity	SKILL DEVELOPMENT

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	CS401PC Discrete Mathematics	16/12/2019
BTech	ME405PC Instrumentation and Control Systems	16/12/2019

BTech	EE301ES Engineering Mechanics	15/07/2019
BTech	MC409 Constitution of India	16/12/2019
BTech	EE401ES Basic Electrical and Electronics Engineering	16/12/2019
BTech	CE402ES Basic Mechanical Engineering for Civil Engineers	16/12/2019
BTech	CS301ES Analog and Digital Electronics	15/07/2019
	[View File](#)	

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	CIVIL	15/07/2019
BTech	EEE	15/07/2019
BTech	MECH	15/07/2019
BTech	ECE	15/07/2019
BTech	CSE	15/07/2019
MBA	MBA	08/07/2019

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	185	0

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
Industrials Automation	25/01/2020	80
Electrical Design and Drafting	04/10/2019	50
	[View File](#)	

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	Summer Internship program on Civil department	55
BTech	Summer Internship program on EEE department	92
BTech	Summer Internship program on Mechanical department	58

BTech	Summer Internship program on ECE department	80
BTech	Summer Internship program on Computer Science department	76
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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
1. Student Feedback: A. Teacher feedback given by students was analysed on thebasis of class, division and subject. This analysis was gauged around areaslike punctuality, temperament etc. Class wise, Section wise and Subject wiseaverages were obtained per teacher to know their performance. B. Syllabusrelated feedback from the students gauged around employability, currentcontents etc. Averaging was done to arrive at conclusions. C. Feedback oninfrastructure and facilities also gauged around admission process, libraryfacilities etc. Averaging was done to arrive at conclusions. 2. Teachers'Feedback: included opinion of teachers on usefulness of the syllabus in terms of employability, scope for research, establishment of community linkages,reasonable coverage of contents and so on. Averaging was done as a part of analysis. 3. Employers' Feedback: analysis was gauged around students' employability skills, infrastructural availability in college for conducting campus placement/training programmes, University Syllabus and Company Expectation and so on. Opinions so collected were reviewed by Chairperson of the Placement and Career Guidance Cell with the members. 4. Alumni Feedback is reviewed by the Principal, along with office bearers of AlumniAssociation'Surge'. 5. Parents' Feedback: is collected on syllabus andinfrastructure of the college. Collected feedback is discussed among department members and is conveyed to the Principal during department meeting with the Principal.

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
BTech	CSE	120	140	120
BTech	ECE	180	152	137
BTech	MECH	120	42	32
BTech	EEE	120	82	79
BTech	CIVIL	120	75	62

Mtech	CSE	30	15	9
MBA	MBA	60	35	25
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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	328	34	192	16	208

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
208	208	14	44	6	6
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)

yes. Student counselor is available in the campus. Besides, a group of 10 to 15 students are assigned to a faculty mentor) . The mentor is continuously monitoring the academic, co curriculum and Extracurricular activities of the mentee. The mentor gives proper counselling. The continuous assessment test reports and attendance particulars are periodically updated to the parents through mentors. The career guidance, elective selections are supported by mentors.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
362	208	1:2

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
12	12	0	12	1

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	Dr.V.S.Hariharan	Professor	James Watt award
2020	Dr.R.Saravanan	Associate Professor	Merely Invatator award

2020	Dr.M.Mohandas	Associate Professor	Merely Invatator award
2020	Dr.M.Palaniswamy	Professor	Best faculty award
2020	Dr.P.Arulkumar	Associate Professor	Outstanding and sustained contribution
2020	Dr.Sampath lingam	Associate Professor	Best Doctoral Researcher
2020	Dr.Naresh Guduru	Associate Professor	Innovative Teaching

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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	1A - 01	IV/II	02/05/2020	01/11/2020
BTech	1A - 02	IV/II	02/05/2020	01/11/2020
BTech	1A - 03	IV/II	02/05/2020	01/11/2020
BTech	1A - 04	IV/II	02/05/2020	01/11/2020
BTech	1A - 05	IV/II	02/05/2020	01/11/2020
MBA	1A - 00	II/II	02/05/2020	13/11/2020
Mtech	1D-58	II/II	13/08/2020	01/12/2020

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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Institution conducts two internal tests per course in a semester. Internal Tests are conducted as per JNTUH academic calendar. Marks obtained in the internal tests is intimated to the parents through faculties. Institute's primary focus, as stated in its mission statement, is on strengthening teaching learning process through rigorous assessment and evaluation. Institute closely follows all the reforms introduced by BITS. Institution conducts two internal tests per course in a semester. Internal Tests are conducted as per JNTUH academic calendar. Marks obtained in the internal tests is intimated to the parents through faculties.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

The examinations of all years were conducted by the college on behalf of University of JNTUH. Time table was displayed on the college notice board and in the respective classes. It was also available on University website. Changes in the examination schedule too were communicated to the students immediately. Examination Branch also conducted supplementary Examinations for the students who could not appear or not promoted for regular examination due to the prescribed by the University norms of JNTUH.These supplementary examinations were conducted as per university time table. Examination branch was conducted internal examinations as per JNTUH academic calendar and observed for

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)

https://www.bitswgl.ac.in/civil-pos.php

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
1A - 01	BTech	Civil	94	57	60.64
1A - 02	BTech	EEE	80	51	63.75
1A - 03	BTech	Mechanical	72	32	44.44
1A - 04	BTech	ECE	124	92	74.19
1A - 05	BTech	CSE	105	80	76.19
1E-00	MBA	MBA	25	18	72
1D-58	Mtech	Mtech	9	6	67
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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)

https://www.bitswgl.ac.in/

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – 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
Industry sponsored Projects	365	Pavani Nursing Home	0.18	0.18
Industry sponsored Projects	60	Gayathri Designers Tiles	0.01	0.01
Industry sponsored Projects	90	Mission Bhagiratha,Narsampet	0.08	0.08
Industry sponsored Projects	365	Pavani Nursing Home	0.55	0.55
Industry sponsored Projects	60	Pavani Nursing Home	0.03	0.03
Industry	60	Touch	0.1	0.1

sponsored Projects		Solutions		

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3.2 – Innovation Ecosystem

3.2.1 – 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
Career Opportunities In Industry How To Face Interviews	Mechanical Engineering	29/10/2019
"One Day Workshop on Trade Secrets"	Civil Engineering	06/07/2019

3.2.2 – 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
Researcher	Dr.Sampath lingam	Archers Elevators Publishing house	05/04/2020	Best Doctoral Researcher
Teaching	Dr.Naresh Guduru	Sri Aurobindo Society	02/03/2020	Innovative Teaching
Academic	Dr.V.S.Hariha ran	SAMP	24/01/2020	James Watt award
Academic	Dr.R.Saravanan	SAMP	24/01/2020	Merely Invatator award
Academic	Dr.M.Mohandas	SAMP	24/01/2020	Merely Invatator award
Education	Dr.M.Palanisw amy	SAMP	24/01/2020	Best faculty award
Education	DR.P.Arulkumar	SAMP	24/01/2020	Outstanding and sustained contribution

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3.2.3 – 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
NA	NA	NA	NA	NA	Nill

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
8	7	0

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Nil	0

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	CIVIL	4	0
International	EEE	5	0
International	MECH	2	0
International	ECE	2	0
International	CSE	5	0
International	MBA	1	0
International	HS	13	0

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

Department	Number of Publication
CE	1
EEE	4
ME	3
CSE	4
HS	1

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3.3.5 – 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
Cost benefits analysis of a rooftop PV system: A case study at BITS Warangal	Mr.G.Sridhar, Mr.S.Mallikarjun Reddy	IJIEMR	2019	0	Yes	0
Fast recovery switching fault tolerant control schemes for four switch voltage source inverter	Dr.R.Saravanan	Sylwan	2019	0	Yes	0

Simulation of switched capacitor inverter topology with boost facility	Dr.R.Saravanan	IJRTE	2019	0	Yes	0
The Prototype Implementation of Interleaved Based PFC Rectification Light Emitting Diodes Systems for Low Power Applications	Dr.R.Saravanan	IJMTE	2020	0	Yes	0
Significance of Fuzzy Controller for the Extraction of Maximum Power from PV System MPPT Technique for Photovoltaic System	Mrs.M.Sreelekha	IJAEMA	2019	0	Yes	0
Isochronous [V F] Control for 3 phase,3 wire 3 phase ,4 wire DG	Dr.R.Saravanan Mr.G.Sridhar Mr.S.Mallikarjun Reddy	IJSTR	2020	0	Yes	0
Study on Shear wall and Bracing in irregular structure and Regular Structure by providing	Mr.Nandeesh.M	IRJET	2019	0	Yes	0

Expansion joint						
Experimental study on partial Replacement of Cement by GGBS and Fine Aggregate by Robo sand for M25 Grade Concrete	Mr.Nandeesh.M	IRJET	2019	0	Yes	0
Experimental study on partial Replacement of Cement by GGBS and Fine Aggregate by Foundry sand for M30 Grade Concrete	Mr.Nandeesh.M	IRJET	2019	0	Yes	0
Experimental study on partial Replacement of Cement by GGBS and Fine Aggregate by Foundry sand for M20 Grade Concrete	Mr.Nandeesh.M	IRJET	2019	0	Yes	0

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3.3.6 – 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
Cost benefits analysis of a rooftop PV system: A case study at BITS	Mr.G.Sridhar, Mr.S.Mallikarjun Reddy	IJIEMR	2019	0	0	yes

Warangal							
Fast recovery switching fault tolerant control schemes for four switch voltage source inverter	Dr.R.Saravanan	Sylwan	2019	0	0	yes	
Simulation of switched capacitor inverter topology with boost facility	Dr.R.Saravanan	IJRTE	2019	0	0	yes	
The Prototype Implementation of Interleaved Based PFC Rectification Light Emitting Diodes Systems for Low Power Applications	Dr.R.Saravanan	IJMTE	2020	0	0	yes	
Significance of Fuzzy Controller for the Extraction of Maximum Power from PV System MPPT Technique for Photovoltaic System	Mrs.M.Sreelekha	IJAEMA	2019	0	0	yes	
Isochronous [V F] Control for 3 phase,3 wire 3	Dr.R.Saravanan Mr. G.Sridhar Mr.S.Mallikarjun Reddy	IJSTR	2020	0	0	yes	

phase ,4 wire DG						
Study on Shear wall and Bracing in irregular structure and Regular Structure by providing Expansion joint	Mr.Nandeesh.M	IRJET	2019	0	0	yes
Experimental study on partial Replacement of Cement by GGBS and Fine Aggregate by Robo sand for M25 Grade Concrete	Mr.Nandeesh.M	IRJET	2019	0	0	yes
Experimental study on partial Replacement of Cement by GGBS and Fine Aggregate by Foundry sand for M30 Grade Concrete	Mr.Nandeesh.M	IRJET	2019	0	0	yes
Experimental study on partial Replacement of Cement by GGBS and Fine Aggregate by Foundry sand for M20 Grade Concrete	Mr.Nandeesh.M	IRJET	2019	0	0	yes
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	0	27	0	0
Presented papers	10	5	0	0

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3.4 – Extension Activities

3.4.1 – 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
YOGA FOR YOUTH	NSS	15	100
BLOOD DONATION PROGRAM	NSS	20	45
HARITHAHARAM	NSS	16	330
FIT INDIA PROGRAM	NSS	15	50
ELOCUTION ON KILL CANCER	NSS	2	44
AWARENESS ON VOTER REGISTRATION	NSS	10	50
VOTERS DAY PLEDGE	NSS	100	Nill
BETI BACHAO BETI PADHAO	NSS	10	Nill
TRAFFIC AWARENESS	NSS	6	Nill
SPECAIL CAMP	NSS	6	Nill

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3.4.2 – 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
Blood Donation Camp	Appreciation Letter	Indian Red Cross Society	45

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3.4.3 – 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
Health Awareness	NSS	YOGA FOR YOUTH	6	100
Health Awareness	NSS	BLOOD DONATION PROGRAM	6	45

SWACH BHARATH	NSS	HARITHAHARAM	6	330
Health Awareness	NSS	FIT INDIA PROGRAM	6	50
Health Awareness	NSS	ELOCUTION ON KILL CANCER	6	44
Election Commision	NSS	AWARENESS ON VOTER REGISTRATION	6	50
Gender Sensitization	NSS WOMENS CELL	BETI BACHAO BETI PADHAO	6	250
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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Training (TASK)	90	BITS	365
Industry Attachment Program Entrepreneurship Development and Innovation Institute	60	BITS	365
Traing program on Digital Well Being.	60	BITS	365
Training program on Human Material Development.	120	BITS	365
Internship programs	60	BITS	365
Technical seminars, Workshops and offers Internships.	120	BITS	365
Internship Electrical CAD, HVAC Designing and Electrical designing.	120	BITS	365
Internships and Workshop	60	BITS	365
Internships and Workshop	60	BITS	365
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3.5.2 – 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	Duration From	Duration To	Participant

		/research lab with contact details			
FDP	FDP/TRAINING	Swayam Online Course Certification on Computer Fundamentals.	01/08/2019	31/10/2019	12
FDP	FDP/TRAINING	Swayam-NPTEL Online Certification on Database Management System.	01/08/2019	31/10/2019	10
FDP	FDP/TRAINING	Swayam-NPTEL Online Certification on Cloud Computing.	01/08/2019	31/10/2019	4
FDP	FDP/TRAINING	One Week FDP on Programming for Problem Solving - A Pedagogical Approach at JNTU Hyderabad	22/07/2019	26/07/2019	3
FDP	FDP/TRAINING	Three Day FDP on Introduction to Python Programming at SREC, Warangal.	19/08/2019	21/08/2019	5
FDP	FDP/TRAINING	Two Weeks FDP on Data Science and its Research Confronts at JITS, Narsampet.	02/01/2020	13/01/2020	3
FDP	FDP/TRAINING	One Week STTP on Big Data Analytics and Research Issues at JITS, Narsampet.	02/12/2019	07/12/2019	5
FDP	FDP/TRAINING	FDP on "Data Science Big	23/09/2019	29/09/2019	4

FDP	FDP/TRAINING	Sales Force Trialmix	20/08/2019	22/08/2019	5
FDP	FDP/TRAINING	R Programming Hadoop in Big Data Analytics	25/05/2020	25/05/2020	20
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(table above continues from "Data Analytics" Vaagdevi Engineering College, Warangal)

 3.5.3 – 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
End Now Foundation	17/08/2019	Digital Well Being.	60
Literacy Helping Hand	09/10/2019	Human Material Development.	120
Physitech Electronics-Hyderabad	16/07/2019	common collaborative programs in the field of engineering.	60
Matchwell Technology solutions-Hyderabad	10/07/2019	Conducts join technical seminars, Workshops and offers Internships.	120
Global Info Tech	29/11/2019	Projects and provides placements in the field of Electrical CAD, HVAC Designing and Electrical designing.	60
Hyderabad institute of Electrical Engineers	12/10/2019	Provides placements, Internships, Workshop and project.	60
Wadhwani foundation	26/07/2019	Entrepreneurship development	60
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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
33500000	32484216

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Newly Added
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Newly Added
Video Centre	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Nill
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added
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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
Newgen	Fully	3.1.1	2006

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	47799	7757531	1339	607262	49138	8364793
Reference Books	10506	761001	102	24320	10608	785321
e-Books	450	27140	50	13570	500	40710
Journals	797	1001456	90	161125	887	1162581
e-Journals	1300	726965	400	543048	1700	1270013
Digital Database	1	658265	2	543048	3	1201313
Digital Database	1	177160	0	0	1	177160
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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
NA	NA	NA	Nill
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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	750	6	120	1	1	2	5	130	0
Added	100	2	60	1	1	0	3	50	0
Total	850	8	180	2	2	2	8	180	0

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

180 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
NPTEL Local Chapter.	www.nptel.ac.in
Moodle Server (Moodle is a free, online Learning Management system enabling educators to create their own private website filled with dynamic courses that extend learning anytime anywhere).	"https://moodle.org www.eoutreach@it.iitb.ac.in"
Notes and assignments are posted online to students. Every student and staff member is provided with internet access facility so that they can access all materials available in other universities to enhance the skills.	www.bitswgl.ac.in
Spoken Tutorials for Audio and Video Demonstrations.	http://spoken-tutorial.org
A-VIEW (Seamless live video and audio streaming (Meeting tool)	http://aview.in
MIT (Massachusetts Institute of Technology.OCW (Open Course Ware).	https://ocw.mit.edu
Knowdedge Tool for CRT classes and tests	www.Kdenewdesign.knowdedge.com/mainform.aspx
PhpMyAdmin (open source database).	www.phpmyadmin.net
SWECHA(Swecha aims at providing global software solutions to the local people with the free software development model by working together	http://www.swecha.org/

with the community of developers and users all over).	
TASK (Telangana Academy for Skill and Knowledge).	www.task.telangana.gov.in
LCS (Lecture Capturing System)	www.https://www.bitswgl.ac.in/Digitalli brary.php

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
2410000	2377623	70075000	69272045

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)

Academic Support: Mentoring: Each faculty mentor adopts 15 students and looks after them regarding all the academic aspects. Faculty counsels the students thrice in a month. Maintenance of the Campus: Regular maintenance of electrical, plumbing, housekeeping, transport and infrastructure in the entire college is supervised by the Administrator Manager. A team of 15 women supervised by administrative staff regularly ensures the cleanliness and maintenance of the college. The roads, common places, faculty and class rooms, laboratories, research centers are cleaned daily and mopping is done periodically. To improve the physical ambiance of the campus, several following initiatives are taken from time to time. Periodic painting and white washing of building and labs Ground-men for maintaining grounds, lawns and upkeep of plants Tree plantation drives every semester Adequate Housekeeping staff for general cleaning Rest rooms Dustbins at every 100 meters Stock verification of lab equipment and library books is done at the end of every year Industrial Tour Industrial visit helps to combine theoretical knowledge with industrial knowledge. Institute arranges industrial visit every year for every department. Workshops Workshops are conducted on latest topics including technical nontechnical topics. Workshops help students acquire practical oriented learning. Library Library Staff consist of one Librarian, two Asst. Librarians and two Library Assistants. Digital library is available to the students from 8.00 A.M to 8.00 P.M. 30 computers with high speed internet are provided in Digital library. Infrastructure Facilities Computers Scientific equipment, Computer network, internet, website, servers, digital library and database are maintained by manufacturer till the warranty period and later by technicians, qualified System Administrators and System Engineers. 2. Physical Support: Fire Resisting Kit: BITS campus has fire extinguishers in each building and department. Mineral Water Plant The plant which produces 10,000 liters per day is procured.. R.O. System as a central facility with an investment of Rs.1.5 lakhs is provided on campus. Separate Hostels for Girls and Boys: The hostel ensures that students feel at home, with the best amenities and comfort so that they can put their hundred percent concentrations into their academic and extracurricular engagements. Sports and Games (Indoor Outdoor): Sports in the institution play a central role in preparing the students to be psychologically and physically strong to face adversaries with a competitive spirit. Transportation: Transport support facility is available to all and free bus facility is provided to faculty. Free bus facility is provided to poor and merit students for the purpose of Encouragement. Anti-Ragging Cell: Ragging in

any form, within or outside the BITS Campus is legally banned as per the Supreme Court verdict. Anti ragging cell monitors the students and prevents ragging on campus. Power House: BITS campus is maintaining two generators of 125KVA 75 KVA capacities. Computer Labs: Computer labs are up dated with advanced software in every department.

https://www.bitswgl.ac.in/civil-laboratories.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	Merit Scholarship	57	741000
Financial Support from Other Sources			
a) National	Government schemes	1068	53227000
b)International	Nil	0	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
No Data Entered/Not Applicable !!!			

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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
No Data Entered/Not Applicable !!!					

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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
2	2	4

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

No Data Entered/Not Applicable !!!
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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
No Data Entered/Not Applicable !!!					
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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
Any Other	22
No file uploaded.	

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

Activity	Level	Number of Participants
No Data Entered/Not Applicable !!!		
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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
No Data Entered/Not Applicable !!!						
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5.3.2 – Activity of Student Council & representation of students on academic &amp administrative bodies/committees of the institution (maximum 500 words)

Response: YES Student Council: Institute promotes candidature of students on academic and administrative bodies. An active Student Council comprises members to monitor Cultural, Technical, Sports and Literary events, Antiragging Gender sensitization programmes, NSS activities and Alumni meet in college. Council members along with association and committee members take active role in conducting College Annual day, Technical seminars such as Shreshtah, Sports day, traditional day and national festivals. A Student Council is a representative structure through which students in the college get involved in the affairs of the college for the benefit of the college and all students. Objectives • To enhance communication between students, management and staff. • To promote an environment conducive to educational and personal development • To promote friendship and respect among pupils. • To support the management and staff in the development of the college. • To represent the views of the students on matters of general concern to them. The Student Council and the Management: • The college establishes and maintains procedures for the purpose of informing about the activities in the college. • The college encourages students to set up a Student Council and assists it as per requirements. • The college draws up rules for the establishment of a Student Council, selection of members and the dissolution of the council. • The college has a role in

arranging meetings of student council. The Management gives active support to the student council and assists the Council in drawing up a constitution and in planning and organizing its activities. The Student Council and the Principal: The role of the Principal is of central importance in the establishment and operation of a Student Council. In assisting the Management in the development of college policy, and in working with teachers and to implement it at day-to-day level, the Principal is centrally placed in all aspects of the college's operations. In the initial stages, the Principal, together with the other teachers, will assist in the development of a Student Council in several ways, for example, by discussing with students the role of a Student Council and the role of individual representatives on the council. The Principal will assist in guiding the Council's development, so as to allow for a constructive and purposeful Council. More generally, the Principal can promote the college culture which recognizes the potentially valuable input that students can make, through a Student Council, into the development of the college. Key functions of Student Council: The functions and activities of a Student Council support the aims and objectives of the Council and promote the development of the college and the welfare of its students. In planning and undertaking activities during the course of the year, the Council 1. Works closely with the management, teachers and students. 2. Consults students in the college regularly and involves as many students as possible in the activities of the Council.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Response: YES AIM of Alumni Association The concept of Alumni association evolved for the needs from both the ends, i.e. academicians and professionals , in the aim of building a bridge between college life and career life, so that the fresher graduates are made proactive to face the current challenges of competitive professional world. Both the ends work hand in hand to help each other for achieving the goal. Institution formed Alumni association. Formation of Body The Alumni Association of Balaji Institute of Technology Science called as BITSAA was formed in the presence of Dr.V.S.Hariharan, Principal, Mr.S. Phaneendra, Assistant Professor Coordinator of the Alumni Committee, Mr. S.Suresh, A.O, HODs and other faculty members of all departments and many enthusiastic students of the college. Mission: • To re-unite in the alma mater from where students grew and flew off. • To build a bridge between college life and career life, so as to introduce present students to the professional world and to make them proactive to face the challenges that may emerge in their career path. • To provide job opportunities to fresher bachelors through references to enhance their skills. To conduct orientation and training programs to students on various topics. • To create awareness among students about scope of their subject in their professional world. Plan of Action • Conducting periodic meetings of the committee for plan of action. • Conducting training sessions on industry practices and professional approach by industry professional alumni. • Felicitation to achievers. Objectives of the Alumni • To provide a Forum for members of the Society for interaction. • To achieve high degree of belongingness with the College and the Society • To foster a feeling of brotherhood and friendship amongst the members of the Society. • To enrol the members from time to time and keep them abreast with the activities of the Society and the College. • To provide adequate avenues for drawing upon the knowledge and expertise of the alumni for furthering the cause of the College to attain good position and influence in the academic, social and business world. • To foster communication amongst the alumni and to promote relations through interactive meetings and get-togethers. • To collect, publish and disseminate information that is relevant to all the members of the Society. To

play a significant role in the placement of our students in reputed organizations. • To encourage a spirit of loyalty, friendship, service and benevolence among members of the Society. Objectives with regard to financial grants and other facilities to the needy students/alumni of the College: • To highlight the achievements of the members of the Society as well as the current students of the College. • To initiate, arrange, approve, support scholarships, free ships, grants and other assistance of any nature whatsoever to the meritorious students of the College. • To enhance the membership of the Society on a continuous basis. Alumni Association Bank Account Details: Name: Blalaji Institute of Technology and Science Alumni Association A/C NO:039511100000061 Bank

5.4.2 – No. of enrolled Alumni:
312

5.4.3 – Alumni contribution during the year (in Rupees) :
100000

5.4.4 – Meetings/activities organized by Alumni Association :
1

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)

In the decentralized set up adopted in the Institution, the Principal, who is the academic administrative head monitors the overall functioning and has powers for academic, administrative, financial issues for the growth of institute in line with the vision and mission of the institution. The Institute has decentralized its operations and has delegated authority at various levels to ensure good governance. In-charge of Internal Quality Assurance Cell (IQAC) monitors and streamlines Academic Quality initiatives like academic audit process and faculty performance appraisals. • Structured delegation of authority responsibilities are entrusted to faculty through regular staff meetings to encourage the academic leadership among the faculty within subject disciplines. Faculty are involved to participate through committees to manifest their administrative skills with professional responsibility and accountability and also guide student committee members to learn their leadership qualities. This ensures their acumen in decision-making with regard to organizing academic, administrative, co-curricular and extra-curricular activities conducted in the course of the academic year. • The Heads of Departments have adequate autonomy to monitor the functioning of the various departments. For taking important decisions, feedback from all stakeholders is taken into account. The office administration of the College is monitored by the Administrative Officer, Manager, Superintendent, Head Clerks, Senior Clerks, Junior Clerks and other Class III and Class IV Staff. The Administrative Officer in consultation with the Principal co-ordinates the day-to-day activities. Thus, the decentralization of departments and personnel of the institution help in improving the quality of its educational provisions. • Proposals for procuring required new lab equipment prepared by subject teachers in consultation with technical staff are submitted to HOD. These are reviewed, ratified and recommended in Department Academic Committee in terms of requirement, comparative statements of quotations and budget allocations. Principal approves and facilitates the procurement of Lab equipment and any other infrastructure relevant items through purchase committee. HoDs look after receipt of equipment and their installation. Thus the modus operandi for

purchase of equipment involves all levels of employees. • In the decentralized governance system, the institute promotes a culture of participative management by involving the staff and students The Governing Body delegates all the academic and operational decision-making power based on Quality policy to the Academic Monitoring Committee headed by the Principal. Academic Monitoring Committee (AMC) formulates common working procedures and communicates to faculty for effective implementation. Faculty members are given representation in various committees/cells and allowed to conduct various programs to showcase their abilities. They are entrusted with responsibility as coordinator and convener for organizing seminars/workshops/conferences/FDPs/and guest lectures and to organize industrial tours and to have collaboration with industry for academic benefit of students.

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

Yes

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
Admission of Students	To improve admissions, following salient activities are being done: Banners are placed a prominent locations around warangal.Instituteis prepared Newsletters
Industry Interaction / Collaboration	MoUs have been signed till date with various institutions and industries
Human Resource Management	The Human Resource Manager oversees the recruitment, appraisal and welfare activities under the supervision of the management
Library, ICT and Physical Infrastructure / Instrumentation	Well established LMS and cricket ground, Football field, Gym etc are established in the campus.
Examination and Evaluation	An Exam Cell has been specifically constituted which follows the guidelines as mentioned in the JNTUH Regulations. The cell headed by a controller coordinates with all the department for conduct of examination, evaluation.
Teaching and Learning	Tutorial classes are conducted The econtent for each course is prepared and uploaded in LMS.
Curriculum Development	The curricular is based on JNTUH
Research and Development	The faculty members who are pursuing Ph.D. are encouraged and motivated to complete their Ph.D. work early by allowing special casual leaves and reducing their workload. • The faculty members are financially supported by reimbursing registration fees, travel, stay, and attending conferences. • The faculty who completed their Ph.D. are recognized, increments and salary hike

are given as per the rules and regulations of the institute. Faculty members are encouraged to publish their research work only in the quality journals with Scopus and SCI index. Incentives are given to the faculty for their publications

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

E-governace area	Details
Examination	1.Exam schedules of University examinations b. List of students c. Examination Summary of students d. Hall Number and seating arrangements. e. Examination results 2.Followingactivities are carried out online using university portal: a. examination (UG students and PG students) b. Question papers of University Examinations(received electronically) c. Online submission of marks for internal examinations d. Marks submission for seminar/practical and project examinations (UG as well as PG programs) e. Receipt of remuneration for paper setting and examination duties.
Planning and Development	Feedback of students is used to improve the teaching learning process and develop new methodologies. Library uses LMS for organizing its books' inventory, purchase of new books, etc. Use of Google sheets/excel sheets is done for data transaction of academic and administrative nature. Few of them are mentioned below: a. Maintaining for Class Work/ practicals/project/seminars. maintaining marks obtained assignments, mid exam and sem examinations. c. Record of make up classes and extra classes. Requisition of library books (Academic Plan, Feedbacks for developments, Google sheets Library requirements)
Administration	Some of the administrative tasks carried out by ONEDU software include assigning roles to access reports as per hierarchy (Principal. Head, etc.),ID card generation for students. Academics Employees Leave, Biometric attendance monitoring for Employees and Students, etc) Employees and Students, etc)
Finance and Accounts	The following are the list of modules used for Finance and Accounts: 1. Fee

	Module Students can pay their fees through this module. 2. GST Calculation 3. Scholarships Better tracking of scholarship beneficiaries	
Student Admission and Support	Student admission and maintenance of data is done through ONEDU software.	

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
2020	Dr.A.Arunkumar	SmartComm-2020	Nil	1500
2020	Mr.B.Jayaram	NAIIC-CISCO	Nil	2500
2020	Ms. K. Jayashree	BSCS	Nil	2500
2020	Mr. B. Ranjith Kumar	BSCS	Nil	2500
2020	Mr Fasi Ahmed Parvez	FACET-2020	Nil	2000
2020	Mr. Ashish Ladda	Efficient Content Based Image Retrieval in Cloud Computing	Nil	1500
2020	Mrs. Aparna Dayyala	A Cross-Domain Recommender System with Kernel-Induced Knowledge Transfer for Overlapping Entities	Nil	1500
2020	Mr. N.Devender	An Encryption Based Secure SDN Framework For Data Transmission In IoT	Nil	1500
2020	Mr. Korra Shobhan Babu	Exploring Impact of Age and Gender on Sentiment Analysis Using machine learning	Nil	1500
2020	Mr. Rajesh Perugu	Microaneurysm Detection Using Sparse	Nil	1500

		Principal Component Analysis Firefly Based Deep Learning Model				

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6.3.2 – Number of professional development / administrative training programmes organized by the College 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	Awareness programme on "How to apply for Sponsored Projects"	17/10/2020	17/10/2020	50	Nill
2020	Nil	Two-day National Level Workshop on "FEA Applications in Mechanical Engineering Using Ansys"	07/02/2020	08/02/2020	50	Nill
2019	Nil	A Three day Entrepreneurship Awareness Camp	24/10/2019	26/10/2020	100	20
2019	Nil	Awareness Programme on " To apply at least 2 UGC/AICTE Minor Major Research Projects	16/07/2019	16/07/2019	35	Nill
2019	Nil	Orientation Programme for Newly Recruited	07/08/2019	07/08/2019	13	Nill

2019	Nil	Awareness Programme on "Ideation to Incubation Establishing Start-ups"	14/08/2019	14/08/2019	73	Nill
2019	Nil	One day Seminar on Research Methodology	23/08/2019	23/08/2019	34	Nill
2019	Nil	One day awareness program on how to apply for sponsored projects	17/10/2019	17/10/2019	50	Nill
2019	Nil	Awareness Programme on Webinar" Global Trends in Higher Education	23/11/2019	23/11/2019	48	Nill
2019	Nil	One day Workshop on Data Analysis using Excel	11/09/2019	11/09/2019	65	Nill

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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
Programming for Problem Solving - A Pedagogical Approach	10	22/07/2019	27/07/2019	6
Introduction to Python Programming	12	19/08/2019	21/08/2019	3
R Programming	15	02/12/2020	07/12/2021	5

Hadoop in Big Data Analytics				
Data Science Big Data Analytics	12	23/09/2019	29/09/2019	6
TASK-Sales Force Trialmix	10	20/08/2020	22/08/2020	3
Workshop on Developing an E-content	12	18/06/2020	19/06/2020	2
Moodle Learning Management System	10	10/06/2020	15/06/2020	5
Machine Learning Algorithms, Applications Advantages	10	25/05/2020	30/05/2020	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
15	15	6	6

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Reimbursement of fee and incentives for professional body and publications. Sponsor to attend conference, workshop and FDPs and to pursue Ph.D program with study leave and monetary benefits. Allowance for travel for academic and administrative works. Vacation leave, medical leave and maternity leave are sanctioned. Concession fee for the wards of employees for education. Welfare fund is provided.	EPF and ESI provided.Free transport.Allowance for travel for academic and administrative works.Vacation leave,medical leave and maternity leave are sanctioned.concession fee for the wards of employees for education. welfare fund is provided.	Fee concession

6.4 – Financial Management and Resource Mobilization

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

Balaji Institute of Technology Science carries out internal as well as external financial audits regularly. Employees of institute take care of internal audit while external auditors representing an outside audit firm conducts external audit. Internal Auditors submit the audit report to Audit Committee which in

turn submits to Management. They involve in designing Institute's systematic approach to evaluate and enhance the effectiveness of financial processes and also develop specific risk management policies. They also ensure that all policies are implemented effectively. Internal Audit is performed by officials deputed from the institute periodically and the reports are obtained before the conduct of the external audit after the closure of the accounts in all respects. During the course of internal audit, all required steps are taken to regularize the accounts, to obtain confirmations for the credit balances and to collect documentary evidences wherever required and will look into reconciliation of unit wise balances with the control accounts and banks reconciliations. External audit is done by statutory auditors after the financial year. External auditors are independent of our organization. They report to the Institution's shareholders. They provide their experienced opinion on the truthfulness of the Institution's financial statements. They observe accounting heads like Fees collected from students, various expenses made, Provident Fund, Profession Tax, TDS, Assets and Liabilities etc. A thorough check and verification of all vouchers of the transactions is carried out in each financial year. The observations given by the auditors are duly complied with. Based on the consolidated reports, our Institution submits the annual returns every year to Income tax authorities and the other relevant authorities concerned.

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
No Data Entered/Not Applicable !!!		
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6.4.3 – Total corpus fund generated

No Data Entered/Not Applicable !!!

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	IQAC Audit Committee	Yes	Academic Audit Committee
Administrative	Yes	IQAC Audit Committee	Yes	Academic Audit Committee

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

1.Visit to student project exhibitions 2.Parent teacher meet 3. Parents from industrial sector supports for enhancing industry institute interaction

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

1.Softskill 2.FDP 3.Workshops

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

1.NBA Accredited Civil, Mechanical, ECE and CSE 2. Provision of precautions/measures in the campus against COVID-19 unlock was initiated 3.To handle the pandemic situation, pending syllabus in the even semester of academic year 2019-20 is completed and remaining internal examinations are conducted in online mode.

6.5.5 – Internal Quality Assurance System Details	
a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	No
c)ISO certification	Yes
d)NBA or any other quality audit	Yes

6.5.6 – 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
2019	Awareness Programme on " To apply at least 2 UGC/AICTE Minor Major Research Projects	16/07/2019	16/07/2019	16/07/2019	35
2019	Orientation Programme for Newly Recruited Faculty	07/08/2019	07/08/2019	07/08/2019	13
2019	Awareness Programme on "Ideation to Incubation Establishing Start-ups"	14/08/2019	14/08/2019	14/08/2019	73
2019	One day Seminar on Research Methodology	23/08/2019	23/08/2019	23/08/2019	34
2019	One day awareness program on how to apply for sponsored projects	17/10/2019	17/10/2019	17/10/2019	50
2019	Awareness Programme on Webinar" Global Trends in Higher Education	23/11/2019	23/11/2019	23/11/2019	48
2019	One day Workshop on Data Analysis using Excel	11/09/2019	11/09/2019	11/09/2019	65

| 2020 | Two Days Workshop on HTML | 27/01/2020 | 27/01/2020 | 28/01/2020 | 84 |
| 2019 | Awareness Programme on " To apply at least 2 UGC/AICTE Minor Major Research Projects | 16/07/2019 | 16/07/2019 | 16/07/2019 | 35 |

View File

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
Women of Worth (WOW – 2020) – International Womens Day	08/03/2020	08/03/2020	500	0
Painting Competition on Women and Her Roles	15/02/2020	15/02/2020	95	0
Awareness Programme on Traffic Rules and Regulations	02/01/2020	02/01/2020	135	0
Seminar on "Beti Bachavo Beti Bhadavo"	27/01/2020	27/01/2020	145	0

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
The institute has implemented solar technology for generating alternate energy sources of electricity of 287 KW which is connected to the Electricity board grid.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	3
Ramp/Rails	Yes	3
Rest Rooms	Yes	5

7.1.4 – Inclusion and Situatedness

Year	Number of	Number of	Date	Duration	Name of	Issues	Number of

	initiatives to address locational advantages and disadvantages	initiatives taken to engage with and contribute to local community			initiative	addressed	participating students and staff
2019	1	1	21/06/2019	1	YOGA FOR YOUTH	The evidence of yoga practice among children indicates improved benefits in concentration, stress alleviation, self-awareness, consciousness, self-regulation, behavioral and emotional maturity, and self-confidence in everyday life.	100
2019	1	1	06/08/2019	1	BLOOD DONATION PROGRAM	promotes voluntary blood donation to provide sufficient supply of safe blood and to regulate blood banks.	45
2019	1	1	11/08/2019	1	HARITHA HARAM	More than 150 tree samplings were planted by NSS Vo	330

						lunteers.	
2019	1	1	29/08/2019	1	FIT INDIA PROGRAM	Our Sportsmen are giving new wings to our aspirations. The medals are not just a result of their hard work but also a reflection of a new Indias confidence.	50
2020	1	1	16/09/2019	1	ELOCUTION ON KILL CANCER	Cancer is a class of diseases characterised by out-of-control cell growth. There are over 100 different types of cancer, and each is classified by the type of cell that is initially affected. On behalf of this we have conducted elocution competition	44
2020	1	1	17/01/2020	1	AWARENESS ON VOTER REGISTRATION	Voter Awareness Forum (VAF) is an informal	50

						forum for generating discussions and awareness around the electoral process, on the how, what and where of registration voting, through the medium of real-time activities.	
2020	1	1	25/01/2020	1	VOTERS DAY PLEDGE	In order to encourage more young voters to take part in the political process, Government of India has decided to celebrate January 25 every year as National Voters Day	450
2020	1	1	27/01/2020	1	BETI BACHAO BETI PADHAO	The Govt of India has formed a National Executive Committee to promote Beti Bachao Beti Padhao (BBBP)	250

						across the country. The committee is organizing several programs to promote Save Girl Child and to Educate Girl Child since January 2015	
2020	1	1	30/01/2020	1	TRAFFIC AWARENESS	Traffic signs can give you important information that can ensure your safety and the safety of those around you and awareness of road rules can lower chances of accidents.	50
2020	1	1	24/02/2020	7	SPECIAL CAMP	Hygiene ,Cleanliness, Senseof responsibility towards societyand environment,Awarenessabout RoadSafety ,Cancerand SwachhBharat.	50

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

Title	Date of publication	Follow up(max 100 words)
Maintance of Discipline and Good conduct by Student	15/07/2019	In our institute number of activities are carried out to human values in students and to build social responsibility, leadership such as selfconfidence Program, International Women's Day, Water conservation and biodiversity, Pulwama Fund Collection, Swacchta Bharat Abhiyan, Blood Donation Camp, , International Yoga Day. Uniform is compulsory for students on during on lab session . Also committees are formed to maintains discipline and feedback analysis committee etc.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Motivational Lecture	12/07/2019	12/07/2019	176
Subhash Chandra Bose Jayanthi	23/01/2020	23/01/2020	113
Ekta Divas(Birth anniversary of Sardar Vallabai Patel)	31/10/2019	31/10/2019	180
International Non Violence Day	01/10/2019	01/10/2019	220
Motivational Lecture on Peace, Love and Brother hood	18/01/2020	18/01/2020	187

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

Plastic free campus. To reduce the use of plastic water bottles RO water outlet is fixed in sufficient number of points.. The solar power plant is installed and operated. Increase in Plantation and greenery area. Rainwater harvesting. Solid Waste Management .

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Title of the Practice: Bridging the gap between industry and institution
2.Objective of the Practice: To involve the students in practical learning to

get real-time industrial experience and acquired knowledge from industry interactions with RD and through the assignments more interesting. Execution of MOU (Memorandum of Understanding) at our institution: MOU's with various organizations will be helpful to bridge the gap between academic and industry. Some MoU's are listed below: With the support of CISCO as Certification partner conducted training programs in our college. Students have actively participated and also got certified. With the support of TASK" as skill development partner, many seminars and workshops for students are successfully conducted. With the support of "SWECHA" a non profitable organization as a partner works towards enlightening the masses with the essence of Free Software and to liberate knowledge to the students. Swecha conducted different workshops and seminars. Internship program: Students of different branches attend various internship programs conducted by different companies for a period of 30-45 days during summer. This will help them to understand the requirement of industry and will be helpful to enhance their technical skills. Student can also be placed in the same company, if their excel during this internship program 3.The Context: To make a student ready to fulfill the requirement of the industry. 4. The Practice: Institute followed method of project-based assignments. Project Based Learning: The institution has implemented this method for Mini projects related to subjects which was given to students as a part of the assignment. Students are encouraged to do the projects with the guidance of faculty on their own 5.Evidence of Success: Under RD cell one of the project named "Portable Facial recognition attendance device "has been selected in the IIT Bombay Innovation Cell for program UREKA-2019 and got 14th place among 10858 projects. Portable Facial recognition attendance device: Now a day's human authentication is very important issue in all public and private organizations. In all traditional software authentications like thumb authentication, iris authentications are limited and can take more processing time for authentication. In ordered to avoid we designed a new image processing application for human facial recognitions. And also can record human existence without human interaction. This new device can hold 50000 faces and can recognize 35 faces simultaneously. 6. Problems Encountered and Resources Required: Our college follows the curriculum prescribed by the university which is completely different from the industry requirement, to fulfill this gap lot of efforts is required. More effort is required to train the students according to the needs of the industry. Best Practice – 2 1.Title of the Practice: Fusion of "Student-centric "Pedagogy to achieve Graduate Attributes 2.Objectives of the Practice: Develop "Learner- Centric Environment". Knowledge and Process Skills development through "Course-Based Projects". Enhance usage of "ICT in Teaching-Learning Process". Achieving "Graduate Attributes' by all students. 3. The Context: A fusion of several pedagogical - Learner-centric methods meets the needs of such diversity in various dimensions in our institution. 4. The Practice: Student centered teaching shifts the focus from the teacher to the student. It encourages active participation on the part of the students and requires that they monitor their own thinking. One of the feature of learner-centric pedagogy is Outcome Based Education. Outcome-Based Education (OBE) is a student-centric teaching and learning methodology in which the course delivery, assessment are planned to achieve stated objectives and outcomes. It focuses on measuring student performance i.e. outcomes at different levels. Graduate Attributes in Outcome Based Education Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization for the solution of complex engineering problems. (Problem analysis: Identify, formulate, research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and cultural, societal, and

environmental considerations. Conduct investigations of complex problems: The problems: that cannot be solved by straightforward application of knowledge, theories and techniques applicable to the engineering discipline that may not have a unique solution. For example, a design problem can be solved in many ways and lead to multiple possible solutions that require consideration of appropriate constraints/requirements not explicitly given in the problem statement. (Like: cost, power requirement, durability, product life, etc.).Which need to be defined (modeled) within appropriate mathematical framework that often requires use of modern computational concepts and tools. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities, with an understanding of the limitations The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional engineering practice Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. Communication: Communicate effectively on complex engineering activities with the engineering community and with t h e society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change 5. Evidence of Success: The interactive learning enhanced the team spirit, learning capabilities and soft skills making them socially responsible. Students and faculty proactive involvement Course projects are a part of research projects to register for Patent publications this could be possible by means of innovative projects and one of the example is given below. Smart Class Switching the Internet of Things is comprised of a variety of wireless technologies and standards each offering unique connected lighting solutions. A connected lighting application in a smart home uses a connected light operating. This Project can give Smart interaction with class appliances through Wi-Fi and it can allow mobile app based switching to students. 6. Problems Encountered and Resources Required: Learning styles creating a challenge to the classroom deliverables for the student fraternity. Adaptation of ICT teaching methodologies is always a big task

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://www.bitswgl.ac.in/best-practices.php

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

Balaji Institute of Technology Science was one of the first engineering colleges that were established in the year 2001 in the most backward region of Telangana, Narsampet. The mission statement clearly defines the college's distinctive characteristic in terms of addressing needs of the society, institute's tradition value orientations. The objective of the institute is to

provide quality education in engineering to the students, to make them academically superior and ethically strong. This objective is clearly reflected in the mission statement. The vision of college is to become a renowned institute for imparting quality education. The institute aims to achieve this by incorporating experimental and project-based learning in teaching-learning process along with strong Industry-Institute Interaction and research opportunities. Our strengths in curricular, co-curricular and extra-curricular areas have improved the quality of education. Specifically, the attributes like 60 graduation rate, more than 60 placements for eligible graduating students, 10 students opting for higher education in India and abroad reflect the existence of a high quality undergraduate program in BITS. The basic distinction is made with the following: Institute provides training to the students through industry internship program to bridge the gap between industry and institution ICT enabled classes are more interactive. Our Students acquire socially responsible by participating in various programs conducted in nearby villages of Narsampet. Green campus initiatives are implemented keeping in mind the holistic perspective of land use, social well being and preservation of the environment. Our College adopts OBE (Outcome Based Education) which is a student centric learning model enabling students understand subjects. To execute this, various programs such as workshops, conferences, debates, guest's lectures, mock tests are conducted. Our college support faculty in their all round development. Some of the innovations and best practices which have created a positive impact on functioning of institution are: encouragement to students and faculty to involve in RD activities. Book bank facility for SC ST Students Makeup/Remedial classes for weak learners beyond curriculum, sending students to take internship, decentralization of academic administration, well-thought student counseling (mentorship) program. The institute provides free ship (Free Transportation, Free Library Books Facility Exemption from Examination Fee) to encourage economically backward and meritorious students. Appropriate Toolset: BITS have thoughtfully catered to every aspect that a learner should be equipped with, in terms of learning resources and amenities. BITS has qualified, experienced and faculty monitor our students as guides, mentors and facilitators. Faculty networking and faculty training programs help our faculty to build global competencies in the learners. BITS had a world class infrastructure well-equipped with the best of ICT enabled Provisions enabling dynamic learning environment. Technical Skill set: Various Bridge Courses and Value-Added Courses are offered to make the learners industry competent. The Problem Based Learning Methodology helps build critical thinking and problem solving abilities amongst our learners. To facilitate experiential learning, students are encouraged to take up Internships. To inculcate the spirit of learning, students are encouraged to participate in the annual International conferences and projects.

Provide the weblink of the institution
https://www.bitswgl.ac.in/Institutional-Distinctiveness.php

8.Future Plans of Actions for Next Academic Year

1)NBA Renewal (UG-CE, ME, ECE CSE) 2)Industrial Collaboration for RD Establishment of Incubation Centre 3)NBA Accreditation (UG-EEE) 4) Submission of NAAC Re-Accreditation Application