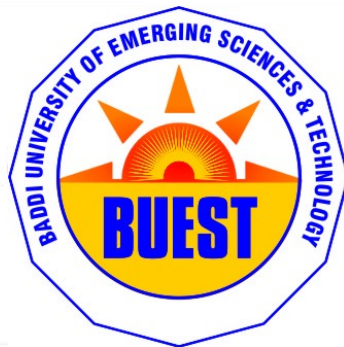




Self Study Report for 1st Cycle of Accrediation



Baddi University of Emerging Sciences & Technology
Baddi, Himachal Pradesh-173205



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

**BADDI UNIVERSITY OF EMERGING SCIENCES AND
TECHNOLOGY**

VILL.-MAKHANUMAJRA,BADDI,DISTT.-SOLAN

173205

www.baddiuniv.ac.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

(Draft)

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

The Baddi University of Emerging Sciences and Technology acronymed as **BUEST**, was established in the year 2009 through the Act of Legislative Assembly of Himachal Pradesh Government and approval from University Grants Commission (UGC), New Delhi. It is housed on a sprawling campus of 26 acres with the magnificent building infrastructure. The architecture of the university is so designed that it looks eco-friendly with provision of green lawn with each school of learning.

The society named Centre for Advanced Studies in Engineering (CASE) was established on 2 May, 2000 with a deep commitment to promote and propagate quality technical education. The commitment was translated into reality with the establishment of Institute of Engineering and Emerging Technologies (IEET) at Baddi in the year 2002. IEET was offering B. Tech. in six branches to the youth of Himachal Pradesh. Over the years, IEET achieved the status of premier institute in imparting quality and career oriented education.

Institute of Pharmacy and Emerging Sciences (IPES) offering Bachelor of Pharmacy degree approved by the Pharmacy Council of India (PCI) and All India Council of Technical Education (AICTE), New Delhi and Institute of Management Studies offering Master of Business Administration degree were established in 2007 & 2008, respectively. It may be pertinent to mention that these three academic courses were already running on the campus and offering the relevant degrees through the Institute of Engineering and Emerging Technologies and were affiliated to the Himachal Pradesh University, Shimla. BUEST became fully functional in 2009 and its institutes were redesignated as Schools. BUEST was offering graduation, post-graduation and doctorate programmes. In 2015 School of Sciences was started and in 2018 two more schools namely BUEST Nursing College and School of Agricultural Sciences pertaining to programmes in nursing and agriculture. Later, School of Physiotherapy was started in 2019. With the steady growth of the university the individual schools started expanding. School of Pharmacy and Emerging Sciences (SPES) was adjudged as Top Ranked among Emerging Pharmacy Institutes of India (Platinum category) by AICTE-CII Survey of Industry-Linked Technical Institutes for the years 2015 and 2016.

Vision

We are committed to be known for creating and imparting knowledge to prepare future ready professionals who would make positive impact in society.

Baddi University of Emerging Sciences and Technology aspires to be among top ranked institutions of India with respect to excellence in education, research and industry-linked technical institutions by 2030.

Institutions of higher learning and universities are the temples of modern India. Responsibility with respect to the creation of knowledge and its disseminations for the benefit and upliftment of the society lies upon the shoulders of the faculty. BUEST aims to be the most preferred choice of the students as well as the faculty with respect to the academic excellence and leadership in human development.

Global ranking of any university mainly depends upon its research and development programs. Institutions are built and known by its individuals for their contributions. BUEST is fortunate to have such sincere, dedicated

faculty demonstrating firm commitment to research and innovations. University has initiated, motivated and inculcated research innovative programs among its researchers and created research environment on the campus.

BUEST is located in Baddi, Himachal Pradesh which is the heart of largest industrial of India in general and largest pharmaceutical hub of Asia. Therefore, Vision of BUEST is to prepare future ready professionals as per need and expectations of the industry. This involves industry oriented educational programs designed in association with experts from the industries and there execution. BUEST aims to avail this rare opportunity and benefit of location in the attainment of rank among the Top Ranked Industry-linked Technical institutions of India.

BUEST's aim is to provide students with highest quality education program and transformative experience inside and outside the classrooms in order to prepare each individual for roles and responsibility towards service to the society.

Mission

We would achieve our vision through Learning, Ideation and Application of knowledge by:

1. Creating a state -of- the- art teaching learning process.
2. Creating stimulating environment conducive to out -of- box thinking.
3. Encouraging Industry oriented Project based learning.
4. Value based learning by imbibing core values of-
 - a) Respect for individual
 - b) Integrity
 - c) Credibility
 - d) Excellence.

BUEST intends to achieve its vision by achieving the educational objective which is consistent to the Mission of the university. Our mission will be achieved by working on various segments of the complete academic domain. This process would involve creating state of art teaching-learning process, creating stimulating environment conducive to out of box thinking, encouraging industry oriented project based learning by imbibing core values in our students and above all respect for individual, integrity, credibility and excellence.

Keeping in view the Vision and Mission, the university has strengthened itself through following steps:

- BUEST has highly qualified, committed and experienced faculty from all over India. As the university is only 30 Km away from Chandigarh, a city of attraction, it has the advantage of attracting faculty from distant places.
- The university encourages schools to conduct Faculty Development Programs, workshops, webinars to

enhance the academic potential of its faculty.

- BUEST promotes publications in peer reviewed journals with high impact factors in National and International journals.
- BUEST has library with online access to the e-journals and other learning resources.
- The university promotes academic and research collaborations with reputed institutions, industries and universities.
- The University encourages participation and presentation of the outcome of the research projects of the faculty at National and International forums.
- Researchers are suitably rewarded for their contributions and achievements.
- The University has MoUs with institutions as well as industries with respect to research and development.
- Consultative facilities are provided by the BUEST to the industry which has helped in raising the financial status of the university.
- The university has excellent Industry-Institution Partnership Program (IIPP).
- Excellent campus placement on account of strong IIPP collaborations.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

Baddi University of Emerging Sciences and Technology has earned the status of premier Institute of Himachal Pradesh in imparting quality and career oriented education.

Its strength pertains to the following:

Academic:

- BUEST has highly qualified, committed and experienced faculty from all over India. Their academic potential is further enhanced on account of Faculty Development Programs, conferences, workshops, webinars, conducted regularly by Schools of the BUEST.
- BUEST promotes publications in peer reviewed journals with high impact factors in National and International journals for which faculty is suitably rewarded.
- BUEST has library with online access to the e-journals and other learning resources.
- University has state of art-infrastructure with excellent ambience of the campus.
- BUEST has attained additional edge in online teaching and learning processes during Covid-19 Pandemic.

Research:

Universities are known because of their contribution in research.

- BUEST has very encouraging policy for promotion of research.
- BUEST has eminent teachers who have worked at the National and International established universities and Institutes known for their research contribution. They are source of inspiration and motivation, not only to the students but faculty also.
- Researchers at the BUEST are encouraged to participate and present the outcome of their research at

National and International forums. Suitable grant is also given as per policy of the university.

- The university promotes research collaborations with reputed institutions, industries and universities for mutual benefits.
- BUEST is the member of Chandigarh Region Innovation and Knowledge Cluster (CRIKC). Its membership has given access to our researchers to share the facilities available at other CRIKC members.
- The university has signed MOUs with institutions and Industries with respect to the research and development in the areas of their mutual interests.
- Idea Factory.
- Consultative facilities are provided by the BUEST to the industry.

Industry-Institute Partnership:

On account of its location, Baddi University of Emerging Sciences and Technology has very strong Industry-Institute collaborative programme. It is an exceptional strength of BUEST. Most of the universities of this Region are devoid of this partnership.

Institutional Weakness

- University is located in the rural area, therefore, Baddi University of Emerging Sciences and Technology is not the first choice of preference as compared to the universities located in and around Tricity; Chandigarh, Mohali and Panchkula.
- Retention of experienced and qualified faculty for longer duration is university's weakness. Good qualified research oriented faculty usually shifts to other institutions for meager financial gains. It hampers research and development program as well as academic performance.
- No financial support from the State as well as Central finance funding agencies such as AICTE, UGC, CSIR, DST, DBT, ICMR, AYUSH and ICAR. This has hampered procurement of latest instruments, equipments and up gradation of research facilities in the labs.
- On account of good placement opportunities after graduation students don't opt for post-graduate as well as Ph. D. programmes. Although BUEST encourages students for higher studies.
- Junior and Senior fellowships, research projects and financial funding is not available from the National Funding Agencies.
- AICTE's Junior Fellowship is not available for our students although every year our students have been qualifying GPAT, GATE as well as GMAT exams which makes them eligible for fellowship at PG levels; M. Pharm., M.Tech., MBA etc.
- Industrial Fellowship is not available from the industry located in BBNIA area. Most of the industrial units are involved in production, no research, no funding with respect to research. Secondly, expectations of the industry are very high and have no patience.
- Less admissions in most of the schools in comparison to the sanctioned intake by the regulatory bodies and HP-PERC.
- Not able to attract students from the other parts of India.
- Lack of students' exchange program at National and International levels.
- Non availability of trainees from the industries or Institutions with respect to the Skill Development Programs.
- Industries in BBNIA are mostly involved in production. They are least interested in the skilling of their

workers on account of two reasons: 1. Trainee may leave their industry, if they are skilled. 2. Their production will be affected during the period of their training.

Institutional Opportunity

BUEST is located in the hub of the industries and has availed all the possible opportunities with respect to Industry-Institute Relationship.

- BUEST has started MBA-Pharmaceuticals and Executive-MBA in collaboration with industries. There has been huge demand from the pharmaceutical industry of BBNIA to start this specialization. Executive MBA has been started for the executives to enhance their qualification while serving the corporate sector.
- Students' Industrial training and visits to the industries have been regular ongoing program.
- University has been approved for the Skill Development Program of LSSSDC, NSDC and HP-KVYN.
- Project Based Learning.
- Placement of the university students has been very good.
- University has numerous Industry-Institute Partnership Programs with the industries.
- School of Pharmacy and Emerging Sciences has been adjudged as one of the Top Ranked Emerging Pharmacy Institute of India by AICTE-CII Survey of Industry-Linked Technical Institutes (5-6th University Industry Congress Global Higher Education Summit and Expo, December, 2015 and November, 2016).
- Experts from the industries have been members of Board of Studies. Their recommendations are considered in the revision of curriculum with respect to the new advancements. In addition, they have also been involved in teaching and research as Invited/Guest Lectures. BUEST is fully availing this opportunity to bridge the gap between Industry and Institute.
- Academic Adoption Program of BUEST is in partnership with local corporates which enables the Industry to identify budding talent at a nascent stage. Through this venture BUEST intends to redefine Academia-Industry Relationship.
- BUEST is only around 35 Kms from Chandigarh, therefore, availability of qualified, experienced and research oriented senior faculty is available which is an asset with respect to Higher studies and Research.
- BUEST is member of CRIKC. This opportunity is being fully utilized for the upliftment of the standard of our researchers.
- BUEST has MoU with Central Institute of Petrochemicals Engineering & Technology (CIPET), Baddi and other industries.
- MoU has also been with Cipla Foundation with respect to Industry Adoption Program.

Consultancy is being availed with respect to the Research and Development of the Industries.

Institutional Challenge

- BUEST has inadequate admissions in general and Engineering and Technology in particular. It is dwindling since last 5 years. Thus, funding on account of admissions is not satisfactory and hampering all activities, programs directly or indirectly of the University. There are numerous universities in this region, lot of competition with respect to admissions. Some of the universities among them are not being regulated by the regulatory agencies, therefore, they have no restriction with respect to sanctioned

intake as we have in HP-PERC.

- Students who opt for BUEST or Universities of Himachal Pradesh are not from the creamy layer, top ranked. Therefore, to attract talented and meritorious students from this region or rest of the India is a big challenge. In spite of industries it has never been their first choice.
- Good qualified, experienced faculty from all over India is available on account of attraction of Chandigarh, but their retention is very difficult. Just for meager financial gain they join other nearby Institutes. Nearby universities/Institutes pay few thousand extra and get our experienced trained faculty. This hampers our long-term Research Programs including Ph.D.
- There is no financial support from the State or National funding Agencies. It is very competitive to get funds from these agencies in general, funds are only given to the well recognized and established institutions.
- Raising of funds for research is a challenge.
- Industries in and around Baddi are mainly for production. They are least interested in Research and Development. Therefore, to have research projects funded by the industry in this region is again a challenge.
- BUEST has been first with respect to Skill Development Programme in LSSSDC (Life Sciences Sector Skill Development Council) with respect to Pharmaceuticals and we have conducted some programs under the Skill Development Programme of the State as well as Centre. The main challenge in this program pertains to the non availability of the candidates.
- There is no unemployment. Who so ever comes to BBNIA gets contractual job in industries and least interested to join skill development program.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The various programmes offered in the seven schools of the university viz. School of Engineering and Emerging Technologies, School of Management Studies, School of Sciences, School of Pharmacy and Emerging Sciences, School of Agricultural Sciences, BUEST Nursing College, School of Physiotherapy have designed their respective curriculum which will inculcate professionalism with technical capability as well as ethics so as to achieve their goals in life.

The university ensures effective curriculum development and delivery through a well planned process which is monitored every year. The University for the Curricular Aspects works under the supervision of Dean (Academics) and implements that process effectively. The curricula are scrutinized periodically in association with the experts from the industry as member of board of the studies. Newer advances which have taken place in the area are introduced and topics of not much relevance are deleted. The timetable committee headed by Dean (Academics) and a faculty member from each department of each school draws up a detailed timetable which deploy the time to academic fulfillment of students. The departments strive for effective curriculum delivery through a combination of time-tested and innovative methods. Faculty members take utmost care to complete the syllabi in time, leaving aside time for imparting revision. The internal assessment model comprises the formal evaluative processes. Periodic meetings of IQAC take stock of the progress of teaching-learning in the university. An academic calendar is prepared at university level which is detailed enough to cover all the academic, co-curricular and sports activities conducted in the university. In university students are also exposed to prepare and demonstrate their projects in the form of project exhibitions at Emanation. Our programs are structured to provide a strong foundation in the respective profession while cultivating cross-disciplinary integrated learning and thinking. In University, a special emphasis is given on practical and field

oriented classes, so as to provide a better understanding of real world challenges. Regular Industrial trainings and projects are also introduced within the curriculum that keeps students up-to-date about latest technology and about the new improvements in all technologies that are being implemented in Industries.

Teaching-learning and Evaluation

The University is committed to provide flexible and conducive environment to the faculty and students to make the teaching, learning and evaluation process effective and efficient. University has optimally maintained the teacher-students ratio (1:9) inkeeping with statutory requirements and order to facilitate student centric learning environment. On the onset of every new session, rigorous induction program is conducted for the newly enrolled students, so that they can interact with the faculty and staff members of the university. The purpose of this induction program is to make the students familiar with the curriculum, code of conduct, rules and regulations of examination system, infrastructure as well as other amenities of the university. The idea is to provide better learning experience and get acquainted with new environment of higher education.

University applies qualitative assessment to ensure effective learning such as quizzes, class room discussion, class presentation and other instructional methods followed by assignments and Mid-semester tests and End term examinations. In addition to conventional teaching methods, innovative and ICT-based teaching-learning methods are adopted. A mentor (teacher) is assigned to group which conduct meeting and counseling sessions with the students to resolve their personal and course work related problems. Industrial visits are organized for students in order to make them aware with the industrial culture, job oriented skills as per industry requirements and to enhance their practical skills. The University periodically organizes expert talks from industry and academia to apprise students of the latest in the industry. The students are provided a platform to carry out interdisciplinary innovative projects and fulfill their dreams. The university follows centralized examination system which has positively impacted on the examination reforms and considerably reduced the use of unfair means by the students and the error free results are declared on time. The parents of the students may also evaluate/ view the performance of his/her ward regularly through online system. The university is running syllabi under Choice Based Credit System (CBCS) to ensure the outcome based curriculum and to promote employability. The syllabi are designed to cover all aspects of conceptual learning.

Research, Innovations and Extension

Academic success and global ranking of university depend upon its research and development. BUEST has well defined policy with respect to consultancy and promotion of research and development. During last 5 years university faculty has published 120 research papers in International and National Journals. Three research projects have been funded by Government and non-government agencies. Faculty from various schools published 96 books/book chapters. One patent has been granted and applications with respect to others three have been submitted. Six research fellows have been enrolled in the Ph.D. programme during last 5 years. During last five years: 53 expert talks, workshops and seminars have been conducted on various areas of interest including industry academic innovation practices and Intellectual Property Right. Teachers, research scholars and students have received around 15 awards at various forums.

The faculty is encouraged to attend seminar, conferences and workshops held in the country or even abroad. For this a subsidized amount for registration and travelling is provided by the university. Likewise, different schools of the university are prompted to organize conferences and seminars on the campus. BUEST has well equipped research labs with adequate instrumental facilities. BUEST has Central Sophisticated Instrumental

Facility which is being fully utilized by the students with respect to the areas of their interest. BUEST is also a member of Chandigarh Region Innovation and Knowledge Center (CRIKC). The aim of CRIKC is to share their facilities and expertise to foster and sustain close academic alliance between institution of higher education and research in the Chandigarh region. MOU's for research innovation with institutions like Central Institute of Plastic Engineering & Technology and Cipla Foundation are in operation in the university.

For enhancing and supporting new and hidden talents of its students, BUEST made a very remarkable approach by establishing a platform to the students to initiate and realize their innovative dreams into reality in association with the faculty and experts from the industries. In addition, Academic Adoption venture is partnership with local corporate which enable the industries to identify budding talent at a nascent stage. It is an unique industry-institute partnership program.

Infrastructure and Learning Resources

Baddi University of Emerging Sciences and Technology has been one of the premier institutes of Himachal Pradesh since its establishment and has earned name and fame with respect to excellence in education. BUEST campus is situated on a beautiful scenic foothill of Shivalik range having green, clean, secure and safe environment.

The University has well-furnished infrastructure having state of art classrooms with teaching aids such as LCD projectors, computer facilities, well equipped laboratories and seminar halls.

University encourages students to participate in various technical and cultural activities to exhibit and hone talents. Amenities and facilities such as well-maintained lawns, CCTV surveillance at all strategic locations, generators, RO water purifiers, canteen, mess and ATM of Punjab National Bank are available.

University is having one of the best cricket ground in the BBNIA region. Its playing pitch has been prepared by the best of clays brought from Hisar (Haryana) and has been curated by best of the curators of the North region. The cricket ground is fitted with the pop up sprinklers to maintain the exact water level for grassing and pitch area.

University is having Training and Placement Cell, medical facility, transport facility, girls and boys common rooms, well equipped indoor sports facilities and play grounds, separate hostels for boys (having capacity for 700 students) and girls (having capacity for 450 students) with all necessary amenities.

University has spacious and well-furnished library equipped with all kinds of text books, reference books, magazines and reputed National and International Journals, separate reading rooms, digital library with access to e-journals, e-books, case studies, articles and research papers.

University believes in periodical and preventive maintenance. The university has various departments to look after maintenance such as horticulture, civil maintenance, electrical and IT maintenance (computer/software/network related issues) etc. Proper checks, periodic inspections, reviews, grievances redressal, suggestion box, feedback from students, alumni, parents, do help in up-keeping and maintaining the conducive learning environment of the campus. The University provides active programs for online courses. University is having its own solar panel for the generation of around 350 KW power generation, rain harvesting and water treatment plant.

Student Support and Progression

Student support and progression are the continuous objectives of the university. In the last 5 years more than 3000 students have been benefited by institutional scholarship schemes, career counseling and overall percentage of benefitted student is 40%, approximately.

Capacity development and skill enhancement initiatives are carried out by providing Soft skills, Language and communication skills, Life skills as well as Awareness of trends in technology. Yoga Camps, Free Health Check-Ups and innovative ideas to create the awareness of trends in technology for students are the regular activities of the university. NSS unit of university takes part in various initiatives like organizing camps, Swachh Bharat initiatives, Blood donation camps are being conducted periodically on the campus.

University has proper guidelines for implementation of Student Redressal Committee, Women Grievance Cell and Anti-Ragging Committee. Timely redressal of the grievances through appropriate committees had always been a priority.

Progression of maximum students is also an important factor for the growth of the university. About 50% of the students have been placed during the last five years excluding the students who opted for higher studies.

Students of BUEST have been involved in cultural, sports as well as social events. This extracurricular activity of the students has been source of motivation, inspiration and also helped in their personality development. University encourages the students to participate in the inter-institutional events and facilitate them for their participation and achievements during annual function.

BUEST has a very active Students' Council which has been assigned the tasks with respect to augmentation of various infrastructural, academic and administrative activities.

Emanation, Prabhandhotsav, Sangam, National Pharmacy Week, Blood Donation Camps, Sports Week, Health awareness Camps, Annual athletic Championship, and many other events are organized annually by the Council.

BUEST has strong Alumni Association which is being looked after by the Director-Alumni. The alumni have been source of inspiration with respect to professional inputs and academic upliftment of the students as per expectations of the industry. Involvement of the alumni has been very helpful in the placement of the students.

Governance, Leadership and Management

Baddi University of Emerging Sciences and Technology has been operating under the aegis of Centre for Advanced Studies in Engineering (CASE) since 2009. CASE is a Registered Educational Body registered vide No. 37056 on 2nd May, 2000 in the office of the Registrar of Societies, Govt. of NCT of Delhi with a deep commitment to promote and propagate quality technical education.

The Administrative structure of the university includes Chancellor, Advisor to Chancellor, Vice Chancellor, Registrar, Dean Academics, Dean Research & Development, Dean Students' Welfare, Deans & Directors of various schools etc. The Vice Chancellor directly leads the university team to achieve academic excellence.

The involvement of the leadership is achieved through well-defined systems and organizational structure. The

structure of the Directorates gives opportunity to Faculties in different role like Dean, Director, Head of Department and Head of Office. The University has different bodies for governance and well defined Policies, Regulations & Guidelines in the form of Act & Statutes. These bodies consist of academic personnel who make constant efforts to take care of the general management and to achieve our university's vision and mission.

BUEST believes in decentralization and participative management approach, which is the key element of the university. This not only helps the university to move ahead but also helps the employees to develop themselves by taking decisions on strategic administrative issues and hence governs the overall development of the University.

To ensure that all stake holders get full opportunity to display their administrative expertise, numerous committees have been formed to streamline the academic process and other activities. These committees ensure the participation and appointment of coordinators, right from the office of the HoDs to the office of the Directors, Deans and Registrar.

All the schools of the university work under the direct supervision of Vice Chancellor and routine administrative and academic activities of various schools are managed by the registrar and deans, respectively. Controller of Examination looks after the Examination and Evaluation system and offers a transparent and efficient practice to strengthen the teaching learning process.

Institutional Values and Best Practices

Baddi University of Emerging Sciences and Technology has a strong ethical work culture that is based on inclusivity. It observes highest ethical standards in all its activities. Equal opportunities are provided to all individuals irrespective of gender, race, caste, colour, creed, language, religion, political or other opinion, national or social origin, property, birth or other status.

BUEST has well-trained and vigilant women security guards for the safety of the on the campus. All the entries and exits points of the university have security checkpoints. Faculty members are assigned rotational duties for discipline and security of the students on the campus. The Proctorial Committee includes male and female proctors at institute as well as faculty level. Counseling Faculty counsels the students during mentoring with respect to their academic performance, career plans and personal issues. Head of the Department monitors the students and counsels them regarding their health and other issues as and when required. Health Centre is available on the campus and has qualified physician.

'BETIYON KI BARI' is a unique initiative of BUEST to promote professional education among girl students of Himachal Pradesh which enables them to carve out a distinct niche themselves to savor the fruits of growths and industrialization. BETIYON KI BARI is an exclusive scholarship scheme for girl students who intend to excel on professional front.

BUEST is known for transforming and empowering students who come from diverse backgrounds ranging from underprivileged sections to affluent ones. One of the best practices of BUEST is IDEA FACTORY for the students which was inaugurated by Prof. (Dr.) Abdul Kalam. It offers a combination of labs and workshops amply equipped to fulfill their dreams and cater each stage of product development cycle-brainstorming, designing, prototyping and testing. It is a magnet for the most creative minds and provides a vibrant milieu for unleashing creative forces. Idea Factory provides continuous excitement and inspiration. Creative environments are infectious. An atmosphere of invention and design is the generation of original thought and ideas.

NAAC

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the University	
Name	BADDI UNIVERSITY OF EMERGING SCIENCES AND TECHNOLOGY
Address	Vill.-Makhanumajra,Baddi,Distt.-Solan
City	Baddi
State	Himachal pradesh
Pin	173205
Website	www.baddiuniv.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Vice Chancellor	Jatinder Kumar Sharma	01795-247353	9418909960	01795-247352	vc@baddiuniv.ac.in
IQAC / CIQA coordinator	Khushmeet Kumar	-	9805222569	-	dean.academics@baddiuniv.ac.in

Nature of University	
Nature of University	State Private University

Type of University	
Type of University	Affiliating

Establishment Details	
Establishment Date of the University	15-10-2009
Status Prior to Establishment,If applicable	Affiliated College
Establishment Date	02-05-2000

Recognition Details		
Date of Recognition as a University by UGC or Any Other National Agency :		
Under Section	Date	View Document
2f of UGC		
12B of UGC		

University with Potential for Excellence	
Is the University Recognised as a University with Potential for Excellence (UPE) by the UGC?	No

Location, Area and Activity of Campus							
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.	Programmes Offered	Date of Establishment	Date of Recognition by UGC/MHRD
Main campus	Vill.-Ma khanum ajra,Baddi,Distt.-Solan	Rural	26	48053	Diploma, UG, PG and Ph.D.		

2.2 ACADEMIC INFORMATION

Furnish the Details of Colleges of University

Type Of Colleges	Numbers
Constituent Colleges	7
Affiliated Colleges	0
Colleges Under 2(f)	0
Colleges Under 2(f) and 12B	0
NAAC Accredited Colleges	0
Colleges with Potential for Excellence(UGC)	0
Autonomous Colleges	0
Colleges with Postgraduate Departments	4
Colleges with Research Departments	4
University Recognized Research Institutes/Centers	0

Is the University Offering any Programmes Recognised by any Statutory Regulatory Authority (SRA)	: Yes						
<table border="1"> <thead> <tr> <th>SRA program</th> <th>Document</th> </tr> </thead> <tbody> <tr> <td>AICTE</td> <td>110185_6233_1_1615356896.PDF</td> </tr> <tr> <td>PCI</td> <td>110185_6233_6_1616737487.pdf</td> </tr> </tbody> </table>	SRA program	Document	AICTE	110185_6233_1_1615356896.PDF	PCI	110185_6233_6_1616737487.pdf	
SRA program	Document						
AICTE	110185_6233_1_1615356896.PDF						
PCI	110185_6233_6_1616737487.pdf						

Details Of Teaching & Non-Teaching Staff Of University

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned	30				60				175			
Recruited	6	1	0	7	3	4	0	7	34	89	0	123
Yet to Recruit	23				53				52			
On Contract	0	0	0	0	0	0	0	0	4	16	0	20

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned				143
Recruited	87	32	0	119
Yet to Recruit				24
On Contract	0	0	0	0

Technical Staff				
	Male	Female	Others	Total
Sanctioned				21
Recruited	19	2	0	21
Yet to Recruit				0
On Contract	0	0	0	0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	5	0	0	2	3	0	5	10	0	25
M.Phil.	0	0	0	0	0	0	0	2	0	2
PG	1	1	0	1	1	0	27	59	0	90

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	4	16	0	20

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Distinguished Academicians Appointed As

	Male	Female	Others	Total
Emeritus Professor	2	0	0	2
Adjunct Professor	0	0	0	0
Visiting Professor	0	0	0	0

Chairs Instituted by the University

Sl.No	Name of the Department	Name of the Chair	Name of the Sponsor Organisation/Agency
1	Baddi University of Emerging Sciences & Technology	Chancellor	Baddi University of Emerging Sciences and Technology
2	Baddi University of Emerging Sciences and Technology	Advisor to Chancellor	Baddi university of Emerging Sciences and Technology
3	Baddi University of Emerging Sciences and Technology	Vice Chancellor	Baddi university of Emerging Sciences and Technology
4	Baddi University of Emerging Sciences and Technology	Registrar	Baddi University of Emerging Sciences and Technology
5	Baddi university of Emerging Sciences and Technology	Controller of Examination	Baddi University of Emerging Sciences and Technology
6	Baddi University of Emerging Sciences and Technology	Deans of respective School	Baddi university of Emerging Sciences and Technology

Provide the Following Details of Students Enrolled in the University During the Current Academic Year

Programme		From the State Where University is Located	From Other States of India	NRI Students	Foreign Students	Total
Diploma	Male	17	8	0	0	25
	Female	5	0	0	0	5
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0
PG	Male	68	16	0	0	84
	Female	37	10	0	0	47
	Others	0	0	0	0	0
UG	Male	136	62	0	0	198
	Female	80	31	0	0	111
	Others	0	0	0	0	0

Does the University offer any Integrated Programmes?	No
--	----

Details of UGC Human Resource Development Centre, If applicable

Year of Establishment	Nil
Number of UGC Orientation Programmes	0
Number of UGC Refresher Course	0
Number of University's own Programmes	0
Total Number of Programmes Conducted (last five years)	0

2.3 EVALUATIVE REPORT OF THE DEPARTMENTS

Department Name	Upload Report
Bachelor Of Business Administration	View Document
Bachelor Of Commerce	View Document
Bachelor Of Hons Chemistry	View Document
Bachelor Of Pharmacy	View Document
Bachelor Of Science Hons Agriculture	View Document
Bachelor Of Science Medical	View Document
Bachelor Of Science Non Medical	View Document
Bachelor Of Science Nursing	View Document
Bachelors Of Computer Applications	View Document
Bachelors Of Electronics And Communication Engineering	View Document
Civil Engineering	View Document
Computer Science Engineering	View Document
Doctor Of Philosophy Applied Mathematics	View Document
Doctor Of Philosophy Management Science	View Document
Doctor Of Philosophy Pharmaceutical Science	View Document
Electrical Engineering	View Document
Master Of Business Administration	View Document
Master Of Business Administration Executives	View Document
Master Of Computer Application	View Document
Master Of Pharmacy Pharmaceutical Chemistry	View Document
Master Of Pharmacy Pharmaceutics	View Document
Master Of Pharmacy Pharmacology	View Document
Master Of Science Chemistry	View Document
Master Of Science Mathematics	View Document
Master Of Science Microbiology	View Document
Master Of Science Physics	View Document
Master Of Technology Computer Science Engineering	View Document

Master Of Technology Mechanical Engineering Production Engineering	View Document
Master Of Technology Power And Electrical Drives Ee	View Document
Master Of Technology Structural Engineering	View Document
Mechanical Engineering	View Document
Mechatronics	View Document

NAAC

Extended Profile

1 Program

1.1

Number of programs offered year-wise for last five years

2019-20	2018-19	2017-18	2016-17	2015-16
35	34	27	30	33
File Description		Document		
Institutional data in prescribed format		View Document		

1.2

Number of departments offering academic programmes

Response: 32

2 Students

2.1

Number of students year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
1360	1421	1752	1975	2156
File Description		Document		
Institutional data in prescribed format		View Document		

2.2

Number of outgoing / final year students year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
324	466	531	682	728
File Description		Document		
Institutional data in prescribed format		View Document		

2.3**Number of students appeared in the University examination year-wise during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
1294	1353	1602	1918	2115
File Description		Document		
Institutional data in prescribed format		View Document		

2.4**Number of revaluation applications year-wise during the last 5 years**

2019-20	2018-19	2017-18	2016-17	2015-16
9	7	17	29	26

3 Teachers**3.1****Number of courses in all programs year-wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
1216	1242	1133	947	820
File Description		Document		
Institutional data in prescribed format		View Document		

3.2**Number of full time teachers year-wise during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
145	156	153	142	154
File Description		Document		
Institutional data in prescribed format		View Document		

3.3

Number of sanctioned posts year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
265	265	268	289	306
File Description		Document		
Institutional data in prescribed format		View Document		

4 Institution**4.1****Number of eligible applications received for admissions to all the programs year-wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
554	675	441	479	525
File Description		Document		
Institutional data in prescribed format		View Document		

4.2**Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
1920	1960	1982	2151	2275
File Description		Document		
Institutional data in prescribed format		View Document		

4.3**Total number of classrooms and seminar halls****Response: 82****4.4****Total number of computers in the campus for academic purpose****Response: 212**

4.5

Total Expenditure excluding salary year-wise during last five years (INR in Lakhs)

2019-20	2018-19	2017-18	2016-17	2015-16
1156.75328	1142.09063	1255.77539	1581.04946	1785.51567

NAAC

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curriculum Design and Development

1.1.1 Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which is reflected in Programme outcomes (POs), Programme Specific Outcomes(PSOs) and Course Outcomes(COs) of the Programmes offered by the Institution.

Response:

The university ensures effective curriculum development and delivery through a well planned process, under the supervision of Dean (Academics).The timetable committee headed by Dean (Academics) and a faculty member from each department of each School draws up a detailed timetable which deploy the time to academic fulfillment of student and course delivery. The departments strive for effective curriculum delivery through a combination of time-tested and innovative methods. Faculty members take utmost care to complete the syllabus in time. The internal assessment model comprises the formal evaluative processes. Periodic meetings of IQAC take stock of the progress of teaching learning in the university. An academic calendar is prepared at university level which is detailed enough to cover all the academic, co-curricular and sports activities to be conducted in university. Our programs are structured to provide a strong foundation in Sciences, Pharmacy, Engineering, Management, Agriculture, Nursing and Physiotherapy while cultivating cross-disciplinary integrated learning and thinking. Moreover, our programs are offered and operated with strong linkages to the workplace and inculcate a sense of service in our students and create future leaders. The program outcomes bring intellectual competence and social commitments among the students. The program specific outcomes attributes in acquiring knowledge related to that skill. The course outcome is focused on providing particular subject knowledge to the student.

Vision

We are committed to be known for creating and imparting knowledge to prepare future ready professionals who would make positive impact in society.

Mission

We would achieve our vision through Learning, Ideation and Application of knowledge by:

1. Creating a state -of- the- art teaching learning process.
2. Creating stimulating environment conducive to out -of- box thinking.
3. Encouraging Industry oriented Project based learning.
4. Value based learning by imbibing core values of-
 - a) Respect for individual
 - b) Integrity
 - c) Credibility
 - d) Excellence.

File Description	Document
Upload Additional information	View Document
Link for Additional information	View Document

1.1.2 Percentage of Programmes where syllabus revision was carried out during the last five years.

Response: 76.92

1.1.2.1 How many Programmes were revised out of total number of Programmes offered during the last five years

Response: 30

1.1.2.2 Number of all Programmes offered by the institution during the last five years.

Response: 39

File Description	Document
Minutes of relevant Academic Council/BOS meeting	View Document
Institutional data in prescribed format	View Document
Details of Programme syllabus revision in last 5 years	View Document
Any additional information	View Document
Link for additional information	View Document

1.1.3 Average percentage of courses having focus on employability/ entrepreneurship/ skill development offered by the institution during the last five years

Response: 21.45

1.1.3.1 Number of courses having focus on employability/ entrepreneurship/ skill development year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
280	247	195	212	203

File Description	Document
Programme/ Curriculum/ Syllabus of the courses	View Document
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

1.2 Academic Flexibility

<p>1.2.1 Percentage of new courses introduced of the total number of courses across all programs offered during the last five years.</p> <p>Response: 76.92</p>	
<p>1.2.1.1 How many new courses were introduced within the last five years.</p> <p>Response: 30</p>	
<p>1.2.1.2 Number of courses offered by the institution across all programmes during the last five years.</p> <p>Response: 39</p>	
File Description	Document
Minutes of relevant Academic Council/BOS meeting	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document
<p>1.2.2 Percentage of Programmes in which Choice Based Credit System (CBCS) / elective course system has been implemented (Data for the latest completed academic year).</p> <p>Response: 62.86</p>	
<p>1.2.2.1 Number of Programmes in which CBCS / Elective course system implemented.</p> <p>Response: 22</p>	

File Description	Document
Minutes of relevant Academic Council/BOS meetings	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

1.3 Curriculum Enrichment

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics ,Gender, Human Values ,Environment and Sustainability into the Curriculum

Response:

The various programmes offered in the seven schools of the university viz. School of Engineering and Emerging Technologies, School of Management Studies, School of Sciences, School of Pharmacy and Emerging Sciences, School of Agricultural Sciences, BUEST Nursing College, School of Physiotherapy have incorporated cross cutting issues related to Professional ethics, Gender, Human Values, Environment and Sustainability in the curriculum.

Human values are the core principle for our success. Human values include honesty, integrity, kindness, caring, sharing, self-confidence, commitment and respect for individual, which are incorporated in our teaching and academic environment. This also incorporates civic responsibility among the students. Different Schools of university have regular courses on human values and ethics, where in all the topics listed in the title are taught in detail.

Professional ethics evaluates the moral value of an individual and how an individual incorporate those values in his/her work culture. Professional ethics should be incorporated in students to bring in the right balance between social responsibilities and ethics. We at Baddi University of Emerging Sciences and Technology incorporate moral value so as to develop a professional which posses' professional ethics.

The Baddi University of Emerging Sciences and Technologies believes and implements gender equality. We at BUEST empower women for protecting, maintaining and strengthening their dignity by providing quality education. The university also has Women Grievance Cell Cum Gender Sensitization committee.

Various programmes are regularly held in university to inculcate professional ethics among the students. A three day workshop on human values and professional ethics was held in the university in collaboration with I.K.Gujral Punjab Technical University. Various faculty members and students attended the workshop. Under the leadership of Dean Student Welfare various other activities are also organized to impart knowledge and awareness among students and faculty members. The university conducts programs related to human values and ethics to enable the student to understand a problem and then find a solution by self observation and not react but respond to a problem.

We also offer human values and ethics as an elective paper for those who do not have this as a core paper.

File Description	Document
Upload the list and description of the courses which address the Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum	View Document
Any additional information	View Document

1.3.2 Number of value-added courses for imparting transferable and life skills offered during last five years.

Response: 6

1.3.2.1 How many new value-added courses are added within the last five years.

Response: 6

File Description	Document
Institutional data in prescribed format	View Document
Brochure or any other document relating to value added courses	View Document

1.3.3 Average Percentage of students enrolled in the courses under 1.3.2 above.

Response: 6.72

1.3.3.1 Number of students enrolled in value-added courses imparting transferable and life skills offered year-wise during the last five years.

2019-20	2018-19	2017-18	2016-17	2015-16
457	0	0	0	0

1.3.4 Percentage of students undertaking field projects / research projects / internships (Data for the latest completed academic year).

Response: 65.22

1.3.4.1 Number of students undertaking field projects or research projects or internships.

Response: 887

File Description	Document
List of Programmes and number of students undertaking field projects research projects/ / internships (Data Template)	View Document
Link for additional information	View Document

1.4 Feedback System

<p>1.4.1 Structured feedback for design and review of syllabus – semester-wise / year-wise is received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni</p> <p>Response: A. All 4 of the above</p>	
File Description	Document
Institutional data in prescribed format	View Document

<p>1.4.2 Feedback processes of the institution may be classified as follows:</p> <p>Response: D. Feedback collected</p>	
File Description	Document
Institutional data in prescribed format	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Demand Ratio (Average of last five years)

Response: 0.4

2.1.1.1 Number of seats available year wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
1421	1376	1284	1192	1403

File Description

Document

Demand Ratio (Average of Last five years) based on Data Template upload the document

[View Document](#)

2.1.2 Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per applicable reservation policy during the last five years (Excluding Supernumerary Seats)

Response: 29.84

2.1.2.1 Number of actual students admitted from the reserved categories year wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
700	618	603	547	577

File Description

Document

Average percentage of seats filled against seats reserved (Data Template)

[View Document](#)

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

Response:

BUEST student's intake is done from all regions of India based on merit in state entrance examinations

like JEE, for Engineering, NEET for Pharmacy, and CAT/MAT for the management courses. The intake is also made based on the merit in Baddi University Entrance Examination for Agricultural as well as Nursing courses. For programs in the Faculty of Engineering, Pharmacy, and management, admission is given based on the marks in the qualifying examination. The advanced and slow learners of a subject are identified on the feedback of concerned faculty, based on their performance in internal/external examination of the university.

The university has implemented the following important measures for the students:

1. On the onset of every new session, a rigorous induction program is conducted for the newly enrolled students, so that they can interact with the faculty members and staff members of the university. The program is coordinated by the Registrar and is conducted in presence of the Vice-Chancellor, Director(s), Deans, Heads of academic departments, Training and Placement and IT support, Controller of Examination, Librarian who welcome and address the students on different issues. The purpose of this induction program is to make the students familiar with the curriculum, code of conduct, rule and regulations of the examination system, infrastructure as well as other amenities of the university. The idea is to provide a better learning experience and get acquainted with the new environment of higher education.
2. University applies qualitative assessment to ensure effective learning such as quizzes, classroom discussion, class presentation, and other instructional methods followed by assignments and mid-semester tests.
3. A mentor is assigned to a group of 10-12 students. Teachers regularly conduct meetings and counseling sessions with the students to resolve their course work as well as personnel-related problems. Special attention is given to slow learners.
4. Reporting of the student performance through ERP system.
5. Choice-based open elective and departmental elective courses are conducted for advanced learners as well as slow learners to study at their own pace and earn less/more credits whenever needed.
6. Summer Term classes and examination is conducted in the month of July/August each year to provide an opportunity to students to clear a course in a timely manner.
7. Student grievance committees are organized to bring out the student grievances which are redressed immediately.
8. Further, the students are also encouraged by their mentors for the capacity development and skill enhancement conducted various activities within the University, such as active participation in Idea factory, literary society, Blood Donation Camp, Drug Abuse, etc.

The students are provided with the following academic facilities to enhance the requisite skills:

1. Intensive coaching for GATE /CAT/NET/ JS and other competitive examinations are provided by reputed agencies/faculties in the campus itself.
2. Special pre-placement technical classes are conducted by faculty for placement drives.
3. Internships in reputed industries/institutes for deserving students.
4. The idea factory as a platform is provided to the students to carry out interdisciplinary projects.

File Description	Document
Paste link for additional information	View Document

2.2.2 Student - Full time teacher ratio (Data for the latest completed academic year)**Response:** 9:1

File Description	Document
Any additional information	View Document

2.3 Teaching- Learning Process**2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences****Response:**

The curricula designed for various programs in Baddi University ensure that students are substantially sound, able to apply the concepts in practical circumstances, analyze the outcomes of such practical application, and are in a position to ask questions based on the analysis and evolve new techniques seeking solutions to the new problems.

The following points methods are taken are in order to ensure the teaching-learning process.

1. The syllabus is designed in such a way that it covers all aspects of conceptual as well as practical learning.
2. Mandatory 4 to 6 weeks industrial/Organizational training for the students as per the mandatory demand of the course.
3. Employability and Industry centric courses are offered in the curriculum.
4. Conduct of Industrial visit to familiarize the student with the organization culture and environment. Student exposure to real-life industries is important. Student learning should go beyond academics, where they can develop insights, critical minds, and obtain practical knowledge as well as theoretical applications. Furthermore, students are able to improve on the cognitive complexity, intrapersonal/interpersonal relationship and practical competence Exposure to real-life industries is one of the key elements implicitly emphasized in the Program Outcomes (PO) for students. The industrial visit provides the opportunity to learn basic concepts involved in the various sophisticated instruments.
5. Students participate in the teaching-learning process through interactive discussions. The teaching activities include Group discussion, Roll play, Brainstorming methods, Seminars classes, and written assignments works augment the student-centric learning process. Students are made to prepare assignments on specific topics using reference books, journals, and internet facilities offered in the library.
6. The university provides a student-centric and holistic approach towards the learning process through the Performance Enhancement Program (PEP) which includes Project Based Learning, Personality Development Program, and Value-Based Learning.
7. Training imparted for higher studies and competitive exams.
8. Providing the opportunity to the students, earning while learning through academic adoption by which student can strengthen their skill in the industry while learning in the university.
9. To enhance the overall personality of the students Personality Development Program (PDP) courses

are offered. Under this course various types of questions like jumbled paragraphs, sentence corrections, fill in the blanks, antonyms, synonyms, word pair analogies, Verbal - Non-Verbal aspects, Functional Grammar, Vocabulary Enhancement, etc., are discussed with the help of classroom handouts.

10. Implementation of tutorial classes in the courses to improve problem-solving skills.
11. Major and minor project teams with 3-5 numbers of students in every group. Project work included in the curriculum of BUEST. Students are encouraged to undertake various types of projects. Students have the option to proceed with project/research work either in the BUEST campus or industry. This will equip the students to broaden their thinking, explore their mental ability toward the welfare of society, discover the new horizon of material and learn how to download the research publications. Overall this will enhance the experimental learning or learning by doing,
12. Expert lectures/webinars organized by the departments in a semester exposing the students to new technologies.

File Description	Document
Link for Additional Information	View Document

2.3.2 Teachers use ICT enabled tools including online resources for effective teaching and learning process.

Response:

Baddi University of Emerging Sciences and Technology (BUEST) uses a diverse set of ICT tools to communicate, create, disseminate, store, and manage information. In some contexts, ICT has also become integral to the teaching-learning interaction, through such approaches as replacing chalkboards with interactive digital whiteboards, using students own smartphones or other devices for learning during class time, and the “flipped classroom” model where students watch lectures at home on the computer and use classroom time for more interactive exercises.

Baddi University of Emerging Sciences and Technology (BUEST) is totally WI-FI enabled. All stakeholders including students, faculties, Officers, and Non-teaching staff are now using the WI-FI facility from anywhere in the campus which is available 24*7 hrs. There are Over Head Projectors (OHP), portable LCD projectors, laptops, audio-visual equipment such as tape-recorder, television, CDs and DVDs, DVD players, microphones (Collar and wireless), speakers, amplifier, camera, and video camera. All these resources are well utilized to make teaching-learning effective and fruitful. Many classrooms are well furnished with a computer, LCD projector, and audio system, with internet and Wi-Fi connection.

University faculty and students have an access to the internet and Wi-Fi connection. Each student and university faculty are given a separate user name and password. The staff and student-teachers use the available computers in the University for curricular and co-curricular activities like PowerPoint preparation, seminar, and assignments, etc. The staff and students also use the ET equipment for seminars and for preparing teaching-learning materials. The staff avail the ICT facilities to enhance their teaching competencies and for their research activity.

Administrative Office is well furnished with highly configured systems with printers. The office is well

connected to the internet and Wi-Fi. The Biometric system is used to monitor the movement of the staff. The various computer labs in the Baddi University are equipped with modern computers and software. Intensive training is given to the students on the software's according to the fulfillment of their academic curriculum as well as industrial demand.

File Description	Document
Upload any additional information	View Document

2.3.3 Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year)

Response: 10:1

2.3.3.1 Number of mentors

Response: 133

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll.	View Document
mentor/mentee ratio	View Document
Circulars pertaining to assigning mentors to mentees	View Document

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 54.03

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	View Document
List of the faculty members authenticated by the Head of HEI	View Document
Any additional information	View Document

2.4.2 Average percentage of full time teachers with Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D'Lit. year-wise during the last five years

Response: 16.71

2.4.2.1 Number of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. year wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
33	25	27	21	19

File Description	Document
List of number of full time teachers with Ph D/D M/M Ch/D N B Superspeciality/DSc/D Lit and number of full time teachers for 5 years	View Document

2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)

Response: 2.96

2.4.3.1 Total experience of full-time teachers

Response: 429

File Description	Document
List of Teachers including their PAN, designation, dept and experience details	View Document

2.4.4 Average percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the last five years

Response: 180

2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government/Govt. recognized bodies year wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
73	50	50	49	48

File Description	Document
Institutional data in prescribed format	View Document
e-copies of award letters (scanned or soft copy)	View Document

2.5 Evaluation Process and Reforms

2.5.1 Average number of days from the date of last semester-end/ year- end examination till the declaration of results year-wise during the last five years

Response: 71.4

2.5.1.1 Number of days from the date of last semester-end/ year- end examination till the declaration of results year wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
158	52	39	53	55

File Description

List of Programmes and date of last semester and date of declaration of results

Document

[View Document](#)

2.5.2 Average percentage of student complaints/grievances about evaluation against total number appeared in the examinations during the last five years

Response: 1

2.5.2.1 Number of complaints/grievances about evaluation year wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
9	7	17	29	26

File Description

Number of complaints and total number of students appeared year wise

Document

[View Document](#)

2.5.3 IT integration and reforms in the examination procedures and processes (continuous internal assessment and end-semester assessment) have brought in considerable improvement in examination management system of the institution

Response:

Under the ETE following schemes have been introduced:-

- The Seating Plan is prepared by taking at least two codes together in each examination room so that two students of the same paper code are not sitting around him to eliminate any possibility of copying.
- Masking of Enroll/Roll No. on answer sheets is done in the examination room for ensuring the secrecy of the identification of the student.
- Any student detected using Unfair Means (UFM) is immediately given the second copy and a case is registered against him/her. All such cases are placed to a committee that decides the quantum of punishment to the candidate.
- Evaluation is done at a Common Evaluation Center and answer sheets are evaluated within the specified time limit.
- In the evaluation process, the moderation of answer sheets is also introduced. Some of the evaluated answer sheets randomly picked up and reviewed by the senior faculty members to maintain uniformity in the evaluation process.
- Once the copies are marked by the examiner, these are scrutinized by other teachers to check any unmarked question and final total.
- After that the answer sheets are de-masked then the marks are entered who evaluated the answer sheets. A copy of the entered marks is verified by another committee member so as to ensure that no discrepancies left.
- After getting all the marks namely internal marks as well as major examination marks, results are prepared.
- The results are further reviewed by the examination committee of the University and approved by the competent authority for declaration.
- After result declaration, results are also displayed online on the student portal so that students may check their results from anywhere.
- Once the results are declared/put up on the student's portal, students are given chance to apply for scrutiny, if they have any doubt on their expected results that they may apply within ten days of declaration of results.

The university follows the above-centralized examination system which has positively impacted the above examination reforms and considerably reduced the use of unfair means by the students and the error-free results are declared on time. The parents of the students may also evaluate/ view the performance of his/her ward regularly through the online system.

- **Integration of ERP with Examination**

In order to fasten the process of Examination, BUEST has associated with the online ERP system. The record of internal assessment, Mid-term test, and END term examination is uploaded by the respective faculty member from the department. The attendance records of the students are also maintained on the ERP system on regular basis. The comprehensive assessment report of the student is generated online by the respective faculty and submitted to the examination department. Further, the process of generating Grade Cards, Degrees through ERP are under pipeline and should be implemented in the future.

File Description	Document
Year wise number of applications, students and revaluation cases	View Document
Link for additional information	View Document

2.5.4 Status of automation of Examination division along with approved Examination Manual

Response: Only result processing

File Description	Document
Current manual of examination automation system and Annual reports of examination including the present status of automation	View Document
Current Manual of examination automation system	View Document
Annual reports of examination including the present status of automation	View Document

2.6 Student Performance and Learning Outcomes

2.6.1 The institution has stated learning outcomes (generic and programme specific)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents

Response:

Program outcomes of all the programs are developed based on the fulfillment of course outcomes. All the courses offered in regard of respective programmes in various departments of BUEST, are aligned with the program outcomes. The program outcomes are identified as per the regulatory bodies such as UGC, PCI, and ICAR etc., to meet the worldwide standards as well as the requirements of making industry ready students. The course outcomes are developed as per the content and objectives of the course within the programme framework. In general, the number of hours required for the course including theory, tutorial, and practical components, the type of content and its credits, the assessment model to be followed while assigning outcomes, are vital issues to be addressed by the faculty and members of Board of Studies. The course objectives and outcomes are planned and designed taking into the consideration of entire syllabus and the required competencies. During examination, we ensure that the students attempt all the pre-planned outcomes. If choices are given, they belong to only within the course outcome. The assignments, quizzes are conducted based on the planned outcomes.

The faculties are made aware of their learning outcomes through

1. Workshop/Seminar
2. Teaching-Learning process (Course File, Course Plan, Outcomes, etc.)
3. Feedback analysis

4. Governance system evaluation through BoS and Academic Council

The students are made aware of their learning outcomes through:

1. Induction/Orientation Programmes
2. Quizzes/Seminar
3. Counselor/Mentorship
4. Evaluation (Test Analysis/Assessment)

Mechanism of Communication:

The content of the syllabus is prepared after the thorough understanding of the CO's that include objectives, content, text books and references, assessment model etc. All the faculty members who are subject experts in charge for the respective course will put up the syllabus in the BOS meeting. After approval from BoS and Academic Council, the syllabus will be circulated in the Department to the respective faculty. The same syllabus will be communicated to the students through university website and during the first day of commencement of the semester. The expected CO's and the course assessment model is also explained to the students.

File Description	Document
Upload COs for all courses (exemplars from Glossary)	View Document
Upload any additional information	View Document
Paste link for Additional Information	View Document

2.6.2 Attainment of Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution**Response:**

1. The attainment of the PO, PSO and CO is made based direct attainment method and indirect attainment method.
2. In the direct method measuring the attainment of CO's is based on the performance of the students in internal assessment and the end semester examination.
3. The university is offering syllabi under Choice Based Credit System (CBCS) to ensure the outcome based curriculum to promote employability. The syllabi which are offered modified from time to time as per the requirement of the industry.
4. The university has appointed the mentors to ensure the achievement of outcomes of learning by the students is progressing on regular basis apart from Mid Semester Tests (MSTs) and End-Term Examinations. Also, the mentors regularly monitoring the performance of the students and provided them regular guidance in order to improve their understanding of the subjects.
5. The concern faculty of the subject regularly provides the guidance to the students to improve their understanding of the subjects and evaluate students on continuous mode by virtue of assignments, presentations, small projects etc. to slow and fast learners.

6. Extra counseling is made by the respective faculty members and by the respective mentors for the slow learning.
7. University also measures the attainment of POs and PSOs by analyzing the percentage of outgoing students who are selected in campus placement or taken admission in higher degree programmes.
8. Indirect method of assessment involves collection of the feedback from the currently enrolled students and alumni of the university.

File Description	Document
Paste link for Additional Information	View Document

2.6.3 Pass Percentage of students(Data for the latest completed academic year)

Response: 86.23

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 432

2.6.3.2 Total number of final year students who appeared for the examination conducted by the Institution.

Response: 501

File Description	Document
Upload list of Programmes and number of students passed and appeared in the final year examination	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response:

File Description	Document
Upload database of all currently enrolled students	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Promotion of Research and Facilities

3.1.1 The institution Research facilities are frequently updated and there is well defined policy for promotion of research which is uploaded on the institutional website and implemented

Response:

Research and development is one of the main criterion with respect to the quality and standard of an institution. International ranking of any university is dependent upon its research and development. Therefore, Research Promotion Policy has been prepared by the Baddi University of Emerging Sciences and Technology to initiate, motivate and inculcate innovative ideas among the researchers and to create environment and promote research activities on the university campus. The Research Promotion will not only strengthen creation of knowledge which is to be utilized for the upliftment of the society but also help in the publications, filing of the patents and generation of funds. The revenue generated from research and development will further enhance capabilities and potential of the university. The Research Promotion Policy will apply not only to the researchers of the university comprising of: research scholars registered with the university, faculty, supervisors, co-supervisors but also to the external experts, Govt. or private institutes/labs, sponsors from Govt., private, national and international funding agencies.

The researchers of the university will be given adequate liberty to explore the area of their interest. The researchers will have freedom to submit their research project to the national/international funding agencies. In addition researchers will be allowed to raise funds with respect to creation of infrastructure and facilities related to their field of specializations. On account of limited resources university may not able to support all research activities. However, working space, library, infrastructure and necessary facilities will be made available to the researchers. In addition, researchers will also be supported for writing research proposals, reports, publications and filing patents etc.

The researchers registered for Ph. D. program who are without fellowship can be given some financial support in the form fellowships. The financial support given in the form of fellowships can be raised by giving 10 hrs per week academic load. This will not only make them self-dependent but also enhance their teaching potentials and make them future ready professionals.

The Research Promotion Policy of the university has been prepared taking into considerations the interest of BUEST faculty. To enhance their qualifications and inculcate in them research and development potentials, it was considered to motivate non-Ph.D. faculty members to register themselves for Ph. D. degree. The candidates so registered can be given some benefits with respect to their reduced teaching load and some financial rewards such as additional increment(s) on completion of their Ph.D. degree. In addition, some seed money can be given to the faculty to initiate and explore their innovative ideas.

The researchers can be given appropriate leave (type of leave due to them). In addition financial support can be given to attend national and international conferences, seminars, workshops, short term training programs, faculty development program, quality improvement program, post doctoral research etc. The exposure so gained at national or international level can be shared with the students and faculty.

File Description	Document
Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View Document
URL of Policy document on promotion of research uploaded on website	View Document

3.1.2 The institution provides seed money to its teachers for research (average per year, INR in Lakhs)

Response: 0

3.1.2.1 The amount of seed money provided by institution to its faculty year-wise during the last five years (INR in lakhs).

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	0	0

File Description	Document
Institutional data in prescribed format	View Document

3.1.3 Percentage of teachers receiving national / international fellowship / financial support by various agencies for advanced studies / research during the last five years.

Response: 1.33

3.1.3.1 The number of teachers who received national / international fellowship / financial support by various agencies for advanced studies / research year-wise during the last five years.

2019-20	2018-19	2017-18	2016-17	2015-16
1	7	1	0	1

File Description	Document
Institutional data in prescribed format	View Document

3.1.4 Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the last five years.

Response: 1**3.1.4.1 The Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other research fellows enrolled in the institution year-wise during the last five years.**

2019-20	2018-19	2017-18	2016-17	2015-16
0	1	0	0	0

File Description**Document**

Institutional data in prescribed format

[View Document](#)**3.1.5 Institution has the following facilities to support research**

1. Central Instrumentation Centre
2. Animal House/Green House
3. Museum
4. Media laboratory/Studios
5. Business Lab
6. Research/Statistical Databases
7. Mootcourt
8. Theatre
9. Art Gallery

Response: A. 4 or more of the above**File Description****Document**

Upload the list of facilities provided by the university and their year of establishment

[View Document](#)

Paste link of videos and geotagged photographs

[View Document](#)**3.1.6 Percentage of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies (Data for the latest completed academic year)****Response:** 3.13**3.1.6.1 The Number of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other similar recognitions by national and international agencies.****Response:** 1

File Description	Document
Institutional data in prescribed format	View Document
e-version of departmental recognition award letters	View Document

3.2 Resource Mobilization for Research

3.2.1 Extramural funding for Research (Grants sponsored by the non-government sources such as industry, corporate houses, international bodies for research projects) endowments, Chairs in the University during the last five years (INR in Lakhs).

Response: 1

3.2.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years (INR in Lakhs).

2019-20	2018-19	2017-18	2016-17	2015-16
0	1	0	0	0

File Description	Document
Institutional data in prescribed format	View Document
e-copies of the grant award letters for research projects sponsored by non-government	View Document

3.2.2 Grants for research projects sponsored by the government agencies during the last five years (INR in Lakhs).

Response: 1

3.2.2.1 Total Grants for research projects sponsored by the government agencies year-wise during the last five years (INR in Lakhs).

2019-20	2018-19	2017-18	2016-17	2015-16
0	1	0	0	0

File Description	Document
Institutional data in prescribed format	View Document
e-copies of the grant award letters for research projects sponsored by government	View Document

3.2.3 Number of research projects per teacher funded by government and non-government agencies during the last five years

Response: 1.67

3.2.3.1 Number of research projects funded by government and non-government agencies during the last five years.

Response: 1

3.2.3.2 Number of full time teachers worked in the institution year-wise during the last five years..

Response: 3

File Description	Document
Supporting document from Funding Agency	View Document
Institutional data in prescribed format	View Document
Paste Link for the funding agency website	View Document

3.3 Innovation Ecosystem

3.3.1 Institution has created an eco system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge.

Response:

The interaction between living organism and the physical environment is known as ecosystem. Life is found between up to 10 kilometer deep in ocean and a few tens of kilometers above sea level. In the soil, life disappears a few meters down. But ecosystems extend well beyond the regions where life actually occurs. We need a picture of the global circulations of air and water and the great biogeochemical cycles.

The source of energy is the sun. Therefore, ecosystem consists of climates an earth due to adiabatic changes in air temperature, global atmospheric and oceanic circulation, biogeochemical hydrological, carbon and nitrogen, human activity, aquatic, acid precipitation, energy flow and productivity cycles.

The climate of earth is determined primarily by earth's atmosphere, which is relatively transparent to visible light but opaque to infrared radiation from earth's surface, by the pattern of solar energy input at different latitude and rotation of Earth and its axis. The global oceanic circulation is driven by surface winds, which produce a westward equatorial current and clockwise and counterclockwise circular patterns.

in northern and southern hemisphere respectively. The poleward movement of ocean water is a major mechanism of ocean water is a major mechanism of transfer of heat to high latitudes.

The cycles of C, N, P, S, H and O the main elements of living organism are global in nature. The oceans receive materials from the land via rivers and they exchange materials with the atmosphere through their surface layers. Soil is formed by both physical and chemical layers and as a result of downward movement of water, distinctive vertical profiles develop. Their nature depends on the type of rock, the plants growing there and climatic conditions over long periods, soil infertility drops because the supply of exchangeable bases is exhausted. The most serious global problem is the increase in levels of atmospheric carbon dioxide, which may lead to important climatic changes by the early part of the next century. This aspect requires the development of skill on the part of researcher as a student and teacher as well.

Ecosystems are driven by solar energy and most energy enters living organisms via photosynthesis. The yearly total of photosynthesis depends on temperature and moisture because of the tight linkage between water loss and entrance of CO₂ in leaves. Therefore, we have devised processes in lab and theory teaching for classes in science, technology, agriculture and pharmacy such as green methodologies, water-based technologies and replacement of fertilizers, pesticide and insecticides. Some other research works also involve the genomics for development of edible variety of food less dependent on usual approaches to waste water and chemicals.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

3.3.2 Number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development during the last five years.

Response: 47

3.3.2.1 Total number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development year-wise during the last five years.

2019-20	2018-19	2017-18	2016-17	2015-16
24	9	4	7	3

File Description	Document
Report of the event	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

3.3.3 Number of awards / recognitions received for research/innovations by the institution / teachers / research scholars / students during the last five years.

Response: 0

3.3.3.1 Total number of awards / recognitions received for *research* / innovations won by institution / teachers / research scholars / students year-wise during the last five years.

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	0	0

File Description	Document
Institutional data in prescribed format	View Document

3.4 Research Publications and Awards

3.4.1 The Institution ensures implementation of its stated Code of Ethics for research through the following: 1. Inclusion of research ethics in the research methodology course work 2. Presence of Ethics committee 3. Plagiarism check through software 4. Research Advisory Committee

Response: A. All of the above

File Description	Document
Code of ethics for Research document, Research Advisory committee and ethics committee constitution and list of members on these committees, software used for Plagiarism check, link to Website	View Document

3.4.2 The institution provides incentives to teachers who receive state, national and international recognitions/awards 1. Commendation and monetary incentive at a University function 2. Commendation and medal at a University function 3. Certificate of honor 4. Announcement in the Newsletter / website

Response: C. 2 of the above

File Description	Document
Institutional data in prescribed format	View Document
e- copies of the letters of awards	View Document
Any additional information	View Document

3.4.3 Number of Patents published / awarded during the last five years.

Response: 1

3.4.3.1 Total number of Patents published / awarded year-wise during the last five years.

2019-20	2018-19	2017-18	2016-17	2015-16
1	0	0	0	0

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

3.4.4 Number of Ph.D's awarded per teacher during the last five years.

Response: 0

3.4.4.1 How many Ph.D's are awarded within last five years.

3.4.4.2 Number of teachers recognized as guides during the last five years

Response: 65

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

3.4.5 Number of research papers per teachers in the Journals notified on UGC website during the last five years

Response: 0.58

3.4.5.1 Number of research papers in the Journals notified on UGC website during the last five years.

2019-20	2018-19	2017-18	2016-17	2015-16
32	13	24	12	6

File Description	Document
Institutional data in prescribed format	View Document

3.4.6 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

Response: 0.15

3.4.6.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
4	1	15	2	0

File Description	Document
Institutional data in prescribed format	View Document

3.4.7 E-content is developed by teachers :

1. For e-PG-Pathshala
2. For CEC (Under Graduate)
3. For SWAYAM
4. For other MOOCs platform
5. For NPTEL/NMEICT/any other Government Initiatives
6. For Institutional LMS

Response: E. None of the above

File Description	Document
Institutional data in prescribed format	View Document

3.4.8 Bibliometrics of the publications during the last five years based on average citation index in Scopus/ Web of Science or PubMed

Response:

File Description	Document
Bibliometrics of the publications during the last five years	View Document

3.4.9 Bibliometrics of the publications during the last five years based on Scopus/ Web of Science - h-index of the Institution

Response:

File Description	Document
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View Document

3.5 Consultancy

3.5.1 Institution has a policy on consultancy including revenue sharing between the institution and the individual and encourages its faculty to undertake consultancy.

Response:

International ranking of any university is dependent upon its research and development and the knowledge so generated is to be utilized for the upliftment of the society. Research and development is one of the main criterion with respect to the quality and standard of an institution. Therefore, to enhance research and development, Research Promotion Policy has been prepared by the Baddi University of Emerging Sciences and Technology. This policy will not only strengthen university's research and development but also help in the publications, filing of the patents as well as generation of funds. The funds so generated will further enhance potential and capabilities of the university.

File Description	Document
Upload soft copy of the Consultancy Policy	View Document

3.5.2 Revenue generated from consultancy and corporate training during the last five years (INR in Lakhs).

Response: 5

3.5.2.1 Total amount generated from consultancy and corporate training year-wise during the last five years (INR in lakhs).

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	1	3	1

File Description	Document
Institutional data in prescribed format	View Document

3.6 Extension Activities

3.6.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years.

Response:

University organizes various extension activities with a dual objective of not only sensitizing students about various social issues but also contribute to community and strengthen community participation. The NSS unit of University takes part in various initiatives like Organizing camps, Swachh Bharat initiatives, Blood donation camps, Awareness programmes etc. The University from time to time organises activities to create awareness among students and faculty about the Institutional Social Responsibilities (ISR). The activities undertaken by the university are listed below:

- i. On all important days such as World Environment Day, International Women Day, Blood Donors Day, AIDS Day and International Drug Abuse Day, the University organises the special programmes like competition among the students, procession rallies, general talks held to create awareness among students, faculty and staff
- ii. Swachh Bharat Programme is celebrated on 2nd October and campaign is launched. The university has made it a regular activity and asks all to maintain cleanliness
- iii. The School of Tourism, Travel and Hospitality Management celebrates tourism week in the last week of September and undertakes several activities like cleanliness drive, tree plantation, cleaning and reviving traditional water sources, inviting school children and creating and educating them about moral values, and so on in the surrounding villages and thus creates awareness.
- iv. SPARSH Committee also organises various activities creating awareness among female students, faculty and staff.
- v. Organising earthquake awareness function wherein the students visit the nearby schools and villages on Earth Day. The awareness is also created regarding waste management and segregation of waste material. All these programmes have created awareness not only among the students but also among the general public.

File Description	Document
Upload any additional information	View Document

3.6.2 Number of awards received by the Institution, its teachers and students from Government /Government recognised bodies in recognition of the extension activities carried out during the last five years

Response: 4

3.6.2.1 Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.

2019-20	2018-19	2017-18	2016-17	2015-16
2	1	1	0	0

File Description	Document
Institutional data in prescribed format	View Document
e-copy of the award letters	View Document

3.6.3 Number of extension and outreach programs conducted by the institution including those through NSS/NCC/Red cross/YRC during the last five years (including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs).

Response: 290

3.6.3.1 Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc. (including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs) year-wise during the last five years.

2019-20	2018-19	2017-18	2016-17	2015-16
0	50	161	79	0

File Description	Document
Institutional data in prescribed format	View Document

3.6.4 Average percentage of students participating in extension activities listed at 3.6.3 above during

the last five years

Response: 3.34

3.6.4.1 Total number of students participating in extension activities listed at 3.6.3 above year-wise during the last five years.

2019-20	2018-19	2017-18	2016-17	2015-16
0	50	161	79	0

File Description

Document

Institutional data in prescribed format

[View Document](#)

3.7 Collaboration

3.7.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year

Response: 17.6

3.7.1.1 Total number of Collaborative activities with other institutions / research establishment / industry for research and academic development of faculty and students year-wise during the last five years.

2019-20	2018-19	2017-18	2016-17	2015-16
22	6	47	11	2

File Description

Document

Institutional data in prescribed format

[View Document](#)

3.7.2 Number of functional MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.

Response: 15

3.7.2.1 Number of functional MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research year-wise during the last five years.

2019-20	2018-19	2017-18	2016-17	2015-16
8	0	2	3	2

File Description	Document
Institutional data in prescribed format	View Document

NAAC

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc.

Response:

The education institution complies to adequate availability and maximum utilization of available infrastructure which is critically linked to the vision of the university –for creating and imparting knowledge to prepare future ready professionals who are going to make a positive impact on the society . University strives ‘to create a conducive and a secure environment of excellence in education’ through technologically advanced pedagogical tools.

At the beginning of the academic year need assessment for replacement / up-gradation / addition of the existing infrastructure is carried out based on the suggestions from Heads of the departments, lab technicians and system administrator after reviewing course requirements, computer-student ratio, budget constraints, working condition of the existing equipment and also students’ grievances. The Time Table committee plans ahead for all requirements regarding classrooms, laboratories, furniture and other equipment.

·Optimal deployment of infrastructure is ensured through conducting workshops/awareness programs/training programs for faculty on the use of new technology.

·Effective utilization of infrastructure is ensured through appointment of adequate and well qualified lab technicians/system administrator.

·The optimal utilization is ensured through encouraging innovative teaching –learning practices and pre placement trainings.

·The available physical infrastructure is optimally utilized beyond regular college hours, to conduct certificate courses, co-curricular activities/extra -curricular activities, parent teacher meetings, Campus Recruitment Training classes, campus recruitments, meetings, seminars, conferences etc.,.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.1.2 The institution has adequate facilities for cultural activities, yoga, games (indoor, outdoor) and sports. (gymnasium, yoga centre, auditorium, etc.)

Response:

Sports play a pivotal role in shaping one’s personality and maintaining good health. University has a sports

environment that matches international standards and gives a truly global experience to all our students. All of which is provided to them on the campus.

Multiple sport facilities in Campus:

Basketball

Being one of the most popular sports in institutes, basketball is played by students in the evenings. We have a dedicated basketball coach and a well-equipped sports department to help the budding players in every way they can.

Football

The university campus has a football ground with lush green grass for the most widely played and followed sport in the world. An experienced football coach will train the team with all the required equipment in the evenings.

Cricket

A religion to most people in India than a sport and for the students of the institute is no different. The infrastructure related to the game includes a cricket ground with natural turf pitches and synthetic practice pitches.

SPORTS ACTIVITIES

1. Outdoor and Indoor Sports Facilities: Every student is encouraged to take active part in at least one outdoor activity. Institute has set up facilities/grounds for Cricket, Football, Basketball, Volleyball, Table-Tennis, Badminton, Chess, Carom, etc., and league matches are encouraged. Institute also plans an inter-college sports tournament to develop a spirit of healthy competition.
2. Gymnasium: In order to ensure a sound body and mind, students are given special attention on health and fitness. A modern gym, with all the latest gadgets has been set up in the hostels for boys as well as girls.
3. Adventure: Taking advantage of the natural beauty of the surrounding Shivalik hills, an 'adventure club' has been formed by students, who organize camps for nature-walks, trekking and hiking. -
4. While games, sports and athletics directly contribute to physical development of students, other co-curricular activities also indirectly contribute to it. These activities provide a useful channel for the growth and development of the body.

Inter University Sports Meet

Every year BUEST organizes LAKSHAY- a 2 day inter university Sports meet. The unfurling of "Sangathan Flag" marks the beginning of the glittering ceremony which includes an impressive march past, various sports events, like basketball, volleyball, football, cricket events with institutes vying to clinch the much-coveted trophies. Students of various universities also present a colourful cultural

programme at the concluding ceremony of Lakshay.

Clubs and Societies at BUEST

The University organizes cultural and extracurricular activities that are planned and supervised by club coordinators. The clubs activities are not only recreational but extends to social welfare and reformation too. Some of the clubs and societies at BUEST are:

- 1.SSB Club
- 2.National Service Scheme (NSS) Unit
- 3.The National Cadet Corps (NCC)
- 4.Sports
- 5.Art of Living
- 6.ISTE Chapters
- 7.Music and Dramatics Society
- 8.Literary Society
- 9.Fine Arts Society
10. Hackers Club
11. Manthan Club
- 12.Photomaniakz Club
- 13.Corporate Social Responsibility Club
14. Fresher's Eve: Sangam
- 15.Emanation
- 16.Prabandhotsav:Management fest
- 17.CII-YI Yuva Chaupal

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.1.3 Availability of general campus facilities and overall ambience

Response:

The University is situated in the industrial hub of Baddi, (H.P) . The University puts emphasis on imparting education to students in an encouraging environment and pay equal attention to overall development and growth. University is making every effort to bring the youth under one roof that can endow them with contemporary learning to defy all the challenges. It is the natural choice and preferred destination for students from different parts of the country to pursue professional education, be it in Engineering, management, pharmacy or any other field. The University has an excellent infrastructure and accessibility from various parts of the state. The University has a well-designed administrative block and various other rooms and facilities for the students such as girls common room and boys common room, waiting room, cafeteria etc.University has provided well equipped furnished labs for basic sciences separately and other departmental laboratories as per the norms of AICTE & UGC. Each section of

students has separate classrooms and facilities as per the norms of the AICTE. Class rooms are well furnished and ventilated. The students have all the facilities for games and sports. Adequate infrastructure is provided for indoor and outdoor games and extra-curricular activities. A canteen with vegetarian food is also available in the university campus. The university building has made more provisions for the expansion. Other facility consists of Drawing Hall, Conference Hall etc. University provides bus facility for students to commute from different parts. Separate hostel facilities are provided for Boys and Girls in the University campus.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.1.4 Average percentage of expenditure for infrastructure augmentation excluding salary during the last five years (INR in Lakhs)

Response: 6.9

4.1.4.1 Expenditure for infrastructure augmentation, excluding salary during the last five years (INR in lakhs)

2019-20	2018-19	2017-18	2016-17	2015-16
18.49256	133.36834	64.24032	106.02308	167.69693

File Description	Document
Upload audited utilization statements	View Document
Institutional data in prescribed format	View Document

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS) and has digitisation facility

Response:

Vision

To be a Premier Knowledge Resource Centre with State-of-Art Information Resources, Facilities and User Centric Services ; Fostering to Contribute towards 'Knowledge Society through the Pursuit Education, Learning and Research at the Highest Level of Excellence.

Mission

- To Provide Seamless Access to Quality and Comprehensive Range of Information Resources to its stakeholders
- To adopt best practices and Serve with Excellence, Offering Time Bound and Quality Information Services to Support the institute's Academic and Research Intellect.
- To Implement 'Five Laws' of Library and Information Science that ensure effective Utilization of Information Resources and Services Contributing in Satisfaction of Its Stakeholders.

Objectives

- To Establish and Maintain Good Relationship with the Stakeholders in View of Creation and Delivery of Quality Information Services.
- To Identify, Select, Collect, Process, Organize, Preserve, Manage, Deliver and Provide an Access to Information Resources in Print/Non-Print/Digital Media to Support Teaching-Learning and Research.
- To Promote Quality Collection Development and Provide Various Proactive and Need Based Information Services to its clientele

Library Web Portal: <http://bu.servergi.com:8089/SIMWEBBADDI/login>

Library Collection:

University library holds the rich collection of **more than 39,360** text as well as reference books in the domain of Electronics and Tele-Communication, Computer Engg., Information Technology, Applied Sciences, General Management, Nursing, Agriculture, Pharmacy, Physiotherapy, Philosophy, Fiction, Non-Fiction, Religion, Self-Help, Travel, etc.

It has subscribed to; to the E-Resources under which campus wide access to more than 6000+ NPTEL & multimedia videos are available for the users.

Library Services:

University Library offer various types of information services to its users such as 'Web Based Current Awareness Services', 'Newspaper Clippings', 'Inter Library Loan', 'Digital Library' for Digital Collection Mgmt., 'Seminar & Conference Alerts', 'Reference/Bibliographical Services', provision of 'Important Links from Library portal', Use of group e-mails and social media for instant outreach of the current information to the end users.

Details of ILMS

Library Automation:

Library is automated since the academic year 2012-2013; initially with open source

KOHA: ILMS developed by Katipo Communications, New Zealand, been installed and operative till the academic year 2017-18; then library has **migrated to the cloud based ‘Web Desk ERP’ library Module from the academic year 2018-19** to make all the library operations computerized.

Nature of Automation: Fully Automated

Version: 2.0

Academic Year	Name of ILMS	Nature of automation (fully or partially)	Version
2019-20	ERP Library Module	Fully	2.1
2018-19	ERP Library Module	Fully	2.1
2017-18	KOHA: ILMS	Fully	16.05.05.00
2016-17	KOHA: ILMS	Fully	16.05.05.00
2015-16	KOHA: ILMS	Fully	16.05.05.00

Name of the existing ILMS: ‘WebDesk’ ERP Library Module:

It is totally cloud based application software specially designed with the due consultation with the library staff by taking care of their as well as client’s requirements pertaining to all the library operations. Its state of the art Cataloguing, Circulation, Journals/Periodicals, Various Reports modules and its remote accessibility facilitate library staff and its users with web based library operations such as DBMS, Bar-coded Circulation, Reservation of Documents, Notifications of the transactions done and various reports can also be fetched through.

File Description	Document
Upload any additional information	View Document

4.2.2 Institution has access to the following: 1. e-journals 2. e-ShodhSindhu 3. Shodhganga Membership 4. e-books 5. Databases 6. Remote access to e-resources

Response: D. Any 1 of the above

File Description	Document
Upload any additional information	View Document
Institutional data in prescribed format	View Document

4.2.3 Average annual expenditure for purchase of books/ e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)

Response: 5.66

4.2.3.1 Annual expenditure for the purchase of books and journals including e-journals year-wise during

last five years (INR in Lakhs)

2019-20	2018-19	2017-18	2016-17	2015-16
5.29140	5.57477	6.13277	1.82788	9.45080

File Description	Document
Institutional data in prescribed format	View Document
Audited statements of accounts	View Document

4.2.4 Percentage per day usage of library by teachers and students (foot falls and login data for online access) during the last completed academic year

Response: 6.45

4.2.4.1 Number of teachers and students using library per day over last one year

Response: 97

File Description	Document
Details of library usage by teachers and students (Library accession register, online accession details to be provided as supporting documents)	View Document
Any additional information	View Document

4.3 IT Infrastructure

4.3.1 Percentage of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities. (Data for the latest completed academic year)

Response: 20.73

4.3.1.1 Number of classrooms and seminar halls with ICT facilities

Response: 17

File Description	Document
Upload any additional information	View Document
Institutional data in prescribed format	View Document
Paste link for additional information	View Document

4.3.2 Institution has an IT policy, makes appropriate budgetary provision and updates its IT facilities including Wi-Fi facility

Response:

Baddi University has clear policy regarding Information Technology, The University has been always in the forefront adopting technologies and providing IT enabled service to all its users.

The University has campus wired & wireless network and Wi-Fi facility within its all hostels. **Reliance jio Fiber optic lease line** is available for faster and efficient connectivity.

For IT security University has **firewall system** for managing internet users and websites.

The University has window based **license software** as well as open source software based on Linux.

Old and outdated computers are upgraded periodically. They are either replaced or enhanced with respect to configuration. Additional computing facilities are added based on the need arising out of requirements of students and faculty.

Hardware infrastructure:

? Computers =250

? Servers=01

? Smart Board=02

? Zerox Machine=02

? Projectors=10

? Printers =27

Networking infrastructure:

? LAN Node=250

? Wi-Fi network access points =86

? Core Switch=02

? Firewall Security System=01	
File Description	Document
Upload any additional information	View Document

4.3.3 Student - Computer ratio (Data for the latest completed academic year)	
Response: 6:1	
File Description	Document
Upload any additional information	View Document
Student – computer ratio	View Document

4.3.4 Available bandwidth of internet connection in the Institution (Leased line)	
Response: C. 250 MBPS - 500 MBPS	
File Description	Document
Upload any additional information	View Document
Details of available bandwidth of internet connection in the Institution	View Document

4.3.5 Institution has the following Facilities for e-content development	
<ol style="list-style-type: none"> 1. Media centre 2. Audio visual centre 3. Lecture Capturing System(LCS) 4. Mixing equipments and softwares for editing 	
Response: A. All of the above	
File Description	Document
Upload any additional information	View Document
Institutional data in prescribed format	View Document
Links of photographs	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the last five years**Response:** 5.5**4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year-wise during the last five years (INR in lakhs)**

2019-20	2018-19	2017-18	2016-17	2015-16
52.56319	64.37442	67.48728	80.28757	123.04384

File Description**Document**

Institutional data in prescribed format

[View Document](#)

Audited statements of accounts

[View Document](#)**4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.****Response:**

There are established systems and procedures for maintaining and utilizing physical, academic and support facilities such as laboratory, sports complex, computer, classroom etc in the University. The maintenance of physical, academic and support facilities are carried out by the respective departments with the help of in house staff on daily basis and periodically. And care has been taken to keep the equipments, machine etc in working condition. In case of breakdowns standard procedure is followed to bring the equipment/machine in working condition. A supervisor is appointed to monitor and maintain the physical facilities and Housekeeping. A brief description is presented below on maintenance and utilization of some facilities.

1. Laboratories (All Labs & Computer center): Each laboratory has one teacher as lab in-charge, a Lab Assistant and attendant. Lab in-charge is responsible to maintain and upgrade the laboratory with necessary equipments from time to time to cope with change in the syllabus. Dead stock verification (Physical Verification) is carried out to verify working/nonworking/missing equipments etc. Preventive maintenance and performance monitoring is carried out. Every laboratory assistance keeps the record of utilization of equipments, computers and other required material for experiments.

2. Library: Librarian with supporting staff has been appointed to maintain central library. They focus on the availability and utilization of instructional material in teaching and learning process. At end of the Academic year stock verification is done. Librarian will prepare the report on the same and utilization of books by the students and staff. Procurement of books as per the requirement is initiated through library committee by inviting the requirement of books from various departments this is then processed following the procurement procedure.

3. Sport complex/ground/equipments: Physical Director of the University looks after the sports facilities and the activities. The sports equipments are issued to the students as per the schedule of the events. If any equipments get faulty sport director submits proposal for maintenance. Preventive maintenance measures are taken in time. Sport director is responsible for keeping the record of utilization of sport Facilities, activities held, awards for the students etc.

4. Class Rooms: Class rooms are allocated to all departments along with necessary ICT tools. The class rooms are utilized as per the time table of the department. The class rooms are cleaned on daily basis monitored by institute supervisor. Head of the institute, HODs and Class teachers also monitor the cleanliness and ensure that the cleanliness is maintained in the class rooms.

5. IT facilities: All departments in the university are having PCs, IT facilities: All departments in the university are having PCs, essential software and peripherals .The laboratory technicians and system administrator maintain the IT facilities in the university. In case of major issues of maintenance vendors are hired for maintenance of IT facilities.

6. Electrical, Drinking water coolers etc.: University has employed technicians(electrician and plumber) for up keeping and maintenance of electrical and water drinking facility. University has also appointed housekeeping staff to maintain the gardens.

7.CCTV, Security etc: To maintain internet connectivity and CCTV security system, network and system administration team is appointed. LCD projectors, EPBX system, air conditioners are maintained regularly. Security staff under a security supervisor is employed to safe guard the whole premises.

File Description	Document
Upload any additional information	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the institution, Government and non-government agencies (NGOs) during the last five years (other than the students receiving scholarships under the government schemes for reserved categories).

Response: 40.52

5.1.1.1 Number of students benefited by scholarships and freeships provided by the institution, Government and non-government agencies (NGOs) year wise during the last five years (other than the students receiving scholarships under the government schemes for reserved categories).

2019-20	2018-19	2017-18	2016-17	2015-16
698	532	607	699	944

File Description	Document
Upload self attested letter with the list of students sanctioned scholarship	View Document
Upload any additional information	View Document
Institutional data in prescribed format	View Document
Link for additional information	View Document

5.1.2 Average percentage of students benefited by career counseling and guidance for competitive examinations offered by the Institution during the last five years.

Response: 12.95

5.1.2.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
66	179	241	377	312

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document
Link for additional information	View Document

5.1.3 Following Capacity development and skills enhancement activities are organised for improving students capability 1. Soft skills 2. Language and communication skills 3. Life skills (Yoga, physical fitness, health and hygiene) 4. Awareness of trends in technology

Response: A. All of the above

File Description	Document
Institutional data in prescribed format	View Document
Link to Institutional website	View Document
Link for additional information	View Document

5.1.4 The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases 1. Implementation of guidelines of statutory/regulatory bodies 2. Organisation wide awareness and undertakings on policies with zero tolerance 3. Mechanisms for submission of online/offline students' grievances 4. Timely redressal of the grievances through appropriate committees

Response: A. All of the above

File Description	Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View Document
Details of student grievances including sexual harassment and ragging cases	View Document
Link for additional information	View Document

5.2 Student Progression

5.2.1 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: IIT-JAM/CLAT/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.)

Response: 80

5.2.1.1 Number of students qualifying in state/ national/ international level examinations (eg:

IIT/JAM/ NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations, etc.)) year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
18	2	8	1	0

5.2.1.2 Number of students appearing in state/ national/ international level examinations (eg: IIT/JAM/ NET / SLET/ GATE/ GMAT/CAT,GRE/ TOEFL/ Civil Services/ State government examinations) year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
18	2	8	1	0

File Description**Document**

Institutional data in prescribed format

[View Document](#)**5.2.2 Average percentage of placement of outgoing students during the last five years****Response:** 24.57**5.2.2.1 Number of outgoing students placed year - wise during the last five years.**

2019-20	2018-19	2017-18	2016-17	2015-16
78	153	147	80	193

File Description**Document**

Self attested list of students placed

[View Document](#)

Institutional data in prescribed format

[View Document](#)

Link for additional information

[View Document](#)**5.2.3 Percentage of student progression to higher education (previous graduating batch).****Response:** 9.57**5.2.3.1 Number of outgoing student progressing to higher education.**

Response: 31

File Description	Document
Upload supporting data for student/alumni	View Document
Institutional data in prescribed format	View Document
Link for additional information	View Document

5.3 Student Participation and Activities

5.3.1 Number of awards / medals won by students for outstanding performance in sports / cultural activities at inter-university / state / national / international events (award for a team event should be counted as one) during the last five years.

Response: 36

5.3.1.1 Number of awards/medals won by students for outstanding performance in sports / cultural activities at inter-university / state / national / international events (award for a team event should be counted as one) year - wise during the last five years.

2019-20	2018-19	2017-18	2016-17	2015-16
10	3	16	5	2

File Description	Document
Institutional data in prescribed format	View Document
e-copies of award letters and certificates	View Document
Link for additional information	View Document

5.3.2 Presence of Student Council and its activities for institutional development and student welfare.

Response:

The process of election for framing student's council at collegial level started in year 2010. Baddi University of Emerging Sciences & Technologies has a well functional student council which takes care for augmentation of various infrastructural, academic and administrative activities for student benefit and welfare. The council organized a successful oath taking ceremony for various elected student representative of different committees.

The council help in coordinating all the events related to academics and other co-curricular & Extra-curricular activities, as per the directives of teaching faculty.

The student's council along with the college administration has actively solved many problems of the student's like- admission, availability of resources etc.

Various activity societies like library society, cultural activity society etc were form by student's council along with college management for smooth running of the tasks. Emanation, Prabhandhutsav, Sangam, Civil day, Pharmacy week and many other events were organized in the university by the student council and the university management in which various cultural activities were organized.

The student's council took initiative and have been successfully running the science council of the university. The council actively participated in organizing and conducting programs like tree plantation, cleaning of college premises, swach bhara abhiyan, blood donation camp etc. In the blood donation camp organized by student's council, the staff and students donated blood for which they were given certificate. The student's council have also successfully conducted seminars and workshops for girl's safety, women helpline and eve teasing for safety of the girls of university.

The student's council also organize annual sports in which many team and individual events were conducted and the winner were given mementos and trophies. Breakfast and lunch for staff and students were also provided. An audience gallery for the spectators was available in the ground. In the Emanation conducted by the student council scholarships, awards for academic and sports, and NSS, Blood donation were given away. Various cultural activities performed by the students of the university along with musicians and music system was result of initiative by student's council.

Thus, the university student's council have shown an active participation along with the university management for enhancing the name and fame of the institution.

Contribution of the Student Council in Academic Administration

1. Coordination in day to day academic activities at their level
2. Coordination in communicating the information between students and Teaching faculty
3. Coordination in conducting special events like Emanation, Sangam etc.
4. Coordination in organizing Cultural events
5. Coordination in organizing Sports & Games for the students
6. Coordination in arranging Industrial Visits for the students
7. Coordination in inviting the external guest speakers and organizing the Seminars & Workshops

File Description	Document
Upload any additional information	View Document
Link for additional information	View Document

5.3.3 Average number of sports and cultural events / competitions organised by the institution per year

Response: 19

5.3.3.1 Number of sports and cultural events / competitions organised by the institution year - wise during the last five years.

2019-20	2018-19	2017-18	2016-17	2015-16
6	25	13	17	34

File Description	Document
Institutional data in prescribed format	View Document
Link for additional information	View Document

5.4 Alumni Engagement

5.4.1 The Alumni Association / Chapters (registered and functional) contributes significantly to the development of the institution through financial and other support services.

Response:

The main aim and objective of the Alumni Association BUEST is to bridge the gap between the university and alumni. This provides a platform for the interaction between alumni, present students, faculty of the college and the college administration. The contribution of the association to the university is very wide. Alumni Association have contributed in various non-financial forms till date and in further time it will also act as a pillar on the financial grounds as well. This association have been a support to the university by making available the expertise and experience of the alumni for the development of research and educational activities of the university. Alumni Association BUEST also help the students in career counselling, skill development, expert talks, industrial visits, appropriate trainings and placements to all the courses offered by the university.

Alumni who are entrepreneurs and own their own ventures have been providing active inputs to the students so that the basic information and queries about starting their own business can be clarified. This is an innovative step towards convert few of the students to job providers instead of job seekers. This has motivated few students for progression of their own revenue streams.

Alumni association extend their support in campus placements, summer and winter trainings, conducting viva, mock interviews and many more. Open end interactions are organized for alumni and students where highlighted topics such as current trends in the market, career opportunities are taken into account. Since, we are in the hub of industries i.e Baddi, contribution of alumni becomes very beneficial for the career alignment of university students and their placements.

In the month of January 2021, after the formation of the new Governing Body, the President of the Association, Mr. Gulshan Sandhu has taken the decision to work actively on the alumni-relations with university. Various initiatives and programs are planned to engage alumni. Alumni Association BUEST is typically responsible for all alumni engagement initiatives, fundraising and often, for deployment of the funds rose through donations. A very critical requirement is to be able to contact the alumni in various ways (by phone, email, physical mail, etc.). It is also very important to have information regarding the career progress of the alumni.

Apart for the above mentioned contribution, the main benefit of Alumni is to provide continuous technical inputs to the University for the Up-gradation of the current syllabus according to the new trends of the market so that future ready students can be provided to the industry.

File Description	Document
Any additional information	View Document

5.4.2 Alumni contribution during the last five years (INR in Lakhs)

Response: E. <5 Lakhs

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The institution has a clearly stated vision and mission which are reflected in its academic and administrative governance.

Response:

Baddi University of Emerging Sciences and Technology has been operating under the aegis of Centre for Advanced Studies in Engineering since 2009, is a Registered Educational Body registered vide No. 37056 on 2nd May 2000 in the office of the Registrar of Societies, Govt. of NCT of Delhi with a deep commitment to promote and propagate quality technical education.

The University have built up an impressive infrastructure for academics, co-curricular and sports activities. Besides separate hostels for boys and girls with all the basic amenities. The classrooms are well designed and laboratories have state-of-the-art equipment. The University provides excellent ambience to enhance the teaching-learning experience and to promote creativity and innovation. The mission of BUEST is to serve the society through cost effective quality education at nominal cost.

Vision of the University

We are committed to be known for creating and imparting knowledge to prepare future ready professionals who would make positive impact in society.

Mission of the University

We would achieve our vision through Learning, Ideation and Application of knowledge by:

1. Creating a state -of- the- art teaching learning process.
2. Creating stimulating environment conducive to out -of- box thinking.
3. Encouraging Industry oriented Project based learning.
4. Value based learning by imbibing core values of-

1. Respect for individual
2. Integrity
3. Credibility
4. Excellence.

To prepare the students to be life-long learners and groom them as professional leaders with strong,

analytical, leadership skills and above all good human beings with civility, humility, integrity and excellence so as to be successful and contended in the present Competitive World.

To promote students' competencies, the University lays stress on following:

- Infrastructure Development
- Entrepreneurial Development
- Academics and Research
- Skills Development
- Governance & Quality Assurance
- Social Responsibility

The university has established various well-designed directorates to cater the different administrative work and facilitate the functioning of University. The qualified and competent administration of the university is providing effective leadership and management at various levels/viz:

- University Level
- School/College Level
- Department Level
- Class Level
- Course Level

The involvement of the leadership is achieved through well-defined systems and organizational structure. The structure of the Directorates gives opportunity to Faculties in different role like Dean, Director, Head of Departments and head of Offices. The University has different bodies for governance and well defined Policies, Regulations & Guidelines. These bodies consist of academic personal who make constant efforts to take care of the general management and to achieve our university vision and mission.

The Administrative structure of the university includes Chancellor, Advisor to Chancellor, Vice Chancellor, Registrar, Dean Academic Affairs, Dean Research& Development, Deans & Directors of various Schools etc. The Vice Chancellor, directly leads the university team to achieve academic excellence. He leads the faculty and other staff through setting goals, developing strategies and fixing responsibilities.

Baddi university gives all stake holders; students, faculty members, non- teaching staff and administrative staff, opportunities to contribute to the growth of the University as well as to realize their true potential by inviting their innovative ideas and suggestions.

File Description	Document
Any additional information	View Document

6.1.2 The effective leadership is reflected in various institutional practices such as decentralization and participative management.

Response:

The University believes in participative management approach and decentralization & powers. Participative management is the key element of the BUEST. This not only helps the university to move ahead but also helps the employees to develop themselves by taking decisions on strategic administrative issues and hence governs the over- all development the University.

The University has Head/Coordinators at the department level who passionately and independently govern various activities like academic matters, curriculum designing, allocation of courses for an academic semester, examination coordination, research activities, organizing conferences, seminars, symposia, workshops, guest lectures and field/industrial visits. All these activities are steered and guided by Deans and supported by the administrative staff, ensuring absolute autonomy at the same time.

To ensure that all stake holders get full opportunity to display their administrative expertise, numerous committees are formed to smoothen academic processes and other administrative activities. These committees ensure the participation and appointment of Coordinators, right from the office of the HoDs to the office of the Director, Dean and Registrar.

All the Schools of the university work under the direct supervision of Vice Chancellor and routine administrative and academic activities of various schools are managed by the Registrar and Deans, respectively. The university examination and Evaluation system offers a transparent and efficient practice to strengthen the teaching learning process. The examination of all the schools of university is supervised by the Controller of Examination. The following committees are in place to decentralize the academic and administrative activities at School levels:

1. Administrative Committee
2. Academic Committee
3. Technical Committee
4. Research & Development Committee

Role & Responsibilities of the Administrative Committee

The Committee is responsible for implementing and executing the policies adopted by the department, managing the fiscal matters, and making day-to-day administration decisions. The Committee is also responsible for devising methods and procedures for professional growth of the support staff in the department.

Role & Responsibilities of the Academic Committee

The Committee is responsible for implementing and executing the Academic improvements like to conduct BOS, introduction of any new course or subject, syllabus development.

Role & Responsibilities of the Technical Committee

The Technical committee is responsible for conducting various interventions and academic programs to impart knowledge, skill and attributes which will help in innovation, problem solving, technology development, project management, entrepreneurial motivation etc. It will also provide supporting systems including laboratories, innovation kits etc.

Role & Responsibilities of the Research & Development Committee

To oversee and supervise Research and Development activities and to ensure performance, by proper monitoring of research projects and engagement in all the research thrust areas, with the management. It also identifies, define, and promote research initiatives at the School level.

These Committees work under the chairmanship of the Dean/Director/Principal of each School.

BUEST is a dynamic and vibrant Institution which ensures effective feedback for all academic and administrative processes and always looks for innovative ideas to promote the well-being of its students and faculty.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic plan is effectively deployed.

Response:

The University has perspective plan for development which is in line with the vision and mission for which it has been established. The University is committed to impart quality-based education.

Teaching & Learning:

The university offers the courses in UG/ PG/ Ph.D/ Diploma/ Certificate courses in different streams like Engineering, Pharmacy, Business Management, Nursing, Physiotherapy and Agriculture. The perspective plan of the university is designed to have periodical reforms in teaching and learning aspects. This includes student choices of courses, ICT based learning, participatory teaching learning process, emphasis on feedback system and continuous assessment/evaluation system.

Research & Development:

To promote the research work university holds the International & National Conferences, Seminars, Workshops; various Lectures and Webinar series of experts from all disciplines. The university also encourages the faculty members to publish research papers in National & International Research Journals and e- journals of repute with high impact factors.

Community Engagement:

Students are encouraged to propagate literacy programme among needy peoples special for the children of labor class and teach illiterate community of our society. For the upliftment of women, Baddi University of Emerging Sciences and Technology has special commitment for the education of women and support this vision by offering scholarships to female students through its initiatives like Betiyon ki Bari.

Human Resource Planning & Development:

The university has clear vision for the human resource development for the capacity building and capability enhancement of its faculty resources.

Industry interaction:

Industry Oriented Hands-on Courses is available in the degree programmes and dissertations are alternative options in the higher-level degree programmes. These form a controlled simulation of the real-life situation. Students undergo the rigor of the professional world in form as well as substance, thus providing them an opportunity to apply their classroom knowledge to live situations. University organizes various industry visits for its students for disciplines to offer a practical exposure in addition to their curriculum requirements. Special interactive sessions are also conducted for students through guest lecturers by experts.

Curriculum design and development:

The university ensures effective curriculum development and delivery through a well-planned process. To ensure the alignment of curriculum with the latest technology and requirement of the employers, the university conducts Board of Studies (BOS) meeting to update/revise the curriculum time to time for all the programs. Experts from academia and industry are invited for discussion and finalization of the curriculum. After detailed discussion by the experts and keeping in view feedback received from subject teachers and student's curriculum is forwarded to Academic Council for improvement/approval and on approval by Academic Council designed curriculum is implemented.

University has a robust system to achieve the goals through Strategic Plans; keeping in view accountability. The outcomes/feedback of the Strategic plan are reviewed and key points are used for developing next Strategic plans under the guidance of Vice-Chancellor by consulting Project Incharge(s),

Deans, Directors, HoDs and all faculty members of the various Schools/Departments.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.2.2 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

Response:

The various officers of the University responsible for administration:

- Chancellor
- Vice Chancellor
- Registrar
- Dean Academics
- Controller of Examinations
- Dean Research and Development
- Dean Student Welfare
- Deans of Schools
- Director Finance
- Assistant Registrars
- Heads of Departments etc.

The major administrative and academic decisions are taken by the Academic Council under the Chairmanship of Honorable Vice Chancellor. The powers are delegated to different Deans and Head of the departments at School and department level respectively. Deans and HoDs deals with the academic matters and works of the School and Department; however the inter School/Departmental decisions are taken through meetings of the Deans and Heads under the Chairmanship of Vice Chancellor. Director Finance is responsible for managing the finances of the university. The Controller of Examinations deals with issues related to the examination. The Registrar takes care of all administrative responsibility along with the human resource management. Also all the external (Outside the university) communication takes place

through registrar only.

Apart from administrative Officers, the Act and the Statute of the University provide policy framework and direction for various Authorities of the University for the functioning of the University and for fulfillment of its objectives:

- Academic Council
- Admission Committee
- Examination Committee
- Boards of Studies
- Grievance Redressal Committee
- Anti-Ragging Committee
- Alumni Committee
- IQAC

The role and responsibilities of various bodies are well defined in order to ensure role clarity and accountability. In addition to the above, each School has a number of committees for decentralized management of activities/ affairs for better functioning and effective learning of the students.

The university has a well-structured system for recruitment and promotions of the faculty and staff. Service rules, promotion policies, welfare schemes and grievances Redressal committees are in place. Achievement of the faculty and staff are recognized by awarding them with financial and other incentives. The recruitment procedure of the university is excellent and have procedural fairness. The resume of the candidates is scrutinized as per UGC norms and candidates as per merit list are invited for interview. After appearing against the interview panel consisting of Vice Chancellor, Registrar, Dean/HoD of respective department and 1-3 subject experts are offered for joining as per merit list.

For the Redressal of grievances of faculty, staff and students following committees are in place:

- Caste Discriminating grievance Committee
- Woman Grievance Committee
- Student Grievance Redressal Committee.

An online grievance Redressal form is also avail on the university website for faculty, staff and students from where anyone can submit his/her grievances and university is committed for immediate action on

addressed grievances.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document
Link to Organogram of the University webpage	View Document

6.2.3 Institution Implements e-governance covering following areas of operation

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

Response: A. All of the above

File Description	Document
Screen shots of user interfaces	View Document
ERP (Enterprise Resource Planning) Document	View Document
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	View Document
Link for additional information	View Document

6.3 Faculty Empowerment Strategies

6.3.1 The institution has a performance appraisal system, promotional avenues and effective welfare measures for teaching and non-teaching staff .

Response:

The University has been strictly following the policies and procedures in consonance with UGC and HPPERC guidelines and has developed a strategy to retain the employees for longer period by clearly defining their roles and responsibilities. For the promotions, university has an annual appraisal system for faculty on the basis of academic contribution by faculty. Each faculty member is required to fill up and submit an appraisal form highlighting his/her achievements in the past one year. For overall development of the faculty research publications, involvement/participation in extracurricular activities & various event etc. are also included in the appraisals. The procedure includes the filling of appraisal form by faculty and to be submitted in Registrar office by respective Dean/HoD with his/her remarks. Then candidate appears before the committee Chaired by Vice Chancellor for interaction/presentation and after remarks by committee decisions is finalized by Vice Chancellor.

The University has various welfare schemes in place for teaching and non-teaching staff.

The primary objective of the welfare schemes is to fulfill the professional and personal needs of the teaching and non-teaching staff. Following Welfare Schemes are available for teaching and non-teaching staff of the University:

- In-house dispensary where medicines and consultation with specialist doctor is provided free of cost. Transportation facility at a very nominal cost.
- Free uniforms are provided to drivers, gardeners and security guards.
- Free Wi-Fi facility is provided to all staff members.
- Academic leaves for attending conferences, seminars and delivering expert lectures etc.
- Duty leaves for attending the meetings of statutory bodies or Govt. regulatory bodies and agencies.
- Issuance of advance salary to the faculty for meeting their requirements faculty like purchasing of laptop.
- Mess facility at a very nominal rate.
- EPF facility for Class IV employees.
- Yoga Camps
- Free Psychological Counseling from the expert
- Financial Incentives for participating in National/International Conferences.

Respective Schools/Departments organize orientation programs for the newly recruited faculty for providing information regarding policies and regulations of the institute, professional expectations and inculcation of a set of professional skills. New faculty members are apprised with the nuances of academic spheres such as Academic, Syllabus coverage, Examination and evaluation, Research and Innovation, Research incentives, General services rules, Gender sensitization, practice on handling ERP, Infrastructure and campus facilities. Briefings on Leave benefits, Performance Management Schemes that link the annual grades for the purpose of the Performance Incentives and such other vital information are also given. The technical hardware related requirements are fulfilled by providing an adequate number of computer systems in the department.

The Vice-Chancellor personally reviews these facilities from time to time and gets feedback from the faculty members. So those steps are enlightening for the improvement of these facilities.

File Description	Document
Any additional information	View Document

6.3.2 Average percentage of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the last five years.**Response:** 0.26**6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	2	0	0

File Description**Document**

Details of teachers provided with financial support to attend conferences, workshops etc. during the last five years (Data Template)

[View Document](#)

Other Upload Files

1

[View Document](#)

6.3.3 Average number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the last five years.**Response:** 7.4**6.3.3.1 Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year-wise during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
5	8	6	7	11

File Description**Document**

Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)

[View Document](#)

Link for Additional Information

[View Document](#)

6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation /

Induction Programmes, Refresher Course, Short Term Course).**Response:** 19.22**6.3.4.1 Total number of teachers attending professional development Programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes year wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
34	23	34	11	43

File Description	Document
Details of teachers attending professional development Programmes during the last five years (Data Template)	View Document
Link for Additional Information	View Document

6.4 Financial Management and Resource Mobilization**6.4.1 Institutional strategies for mobilisation of funds and the optimal utilisation of resources****Response:**

The University is funded and supported by CASE (Center for Advance Studies in Engineering) – a non-profit educational Society. As a self-financed University, the resource mobilization is mainly through fee/funds deposits.

The University has a transparent and well-planned financial management system in which Fees from Students is the main sources of funds. The Resource mobilization policy focuses on achieving the goals and target of the University ensuring accountability and transparency. The harmonized Governing body coordinates and monitors the optimal utilization of the funds for the promotion of learner-centric ecosystem.

- The University is a centrally managed non-profit organization with honorary governing body members which ensures the income generated is spent optimally in the University itself
- A financial advisory body is in place to manage the managed funds.
- Funds are provided to meet the infrastructure requirement of the institution while starting new programmes.
- The University provides financial supports to seminars/workshops/expert talks/Association activities/Faculty Development programmes

- The extracurricular activities of the students are a major concern and adequate funds provide for Sports and Cultural activities
- Scholarships and free-ships to the deserving students
- Provident fund (PF) and Employee State Insurance (ESI) benefits are provided to the staff.
- Financial Resources of the University are
 - Tuition fee
 - Hostel Fee
 - Development Fund
 - Transportation Fee
- Tuition fee is used for the infrastructure and academic activities.

Transparency and accountability is ensured by conducting an annual audit of the statements. The University has a robust budgeting and MIS mechanism. Annual Budgets are prepared in advance and are approved by the Governing body. Once approved, it is ensured that budgets are implemented in spirit. Monthly comparisons with actuals are made and due account of variances is made by the Governing body. This ensures transparency and efficient management of issues at the initial stages only.

Apart from above, the University has a very well-defined Audit system, wherein Statutory Audit is conducted by Independent Chartered Accountant firm of repute. The auditor issues its Audit report along with auditing the financial statements on annual basis which are then submitted to the Income tax department. The audit report issued by the auditor along with the utilization certificate and financial statements are submitted to the concerned sanctioning authorities.

File Description	Document
Link for Additional Information	View Document

6.4.2 Funds / Grants received from government bodies during the last five years for development and maintenance of infrastructure (not covered under Criteria III and V) (INR in Lakhs).

Response: 1.11

6.4.2.1 Total Funds / Grants received from government bodies for development and maintenance of infrastructure (not covered under Criteria III and V) year wise during the last five years (INR in Lakhs).

2019-20	2018-19	2017-18	2016-17	2015-16
0	0.60	0.51	0	0

File Description	Document
Details of Funds / Grants received from government bodies during the last five years (Data Template)	View Document
Link for Additional Information	View Document

6.4.3 Funds / Grants received from non-government bodies, individuals, philanthropists during the last five years (not covered in Criterion III and V) (INR in Lakhs)

Response: 1.52

6.4.3.1 Total Grants received from non-government bodies, individuals, Philanthropers year wise during the last five years (INR in Lakhs)

2019-20	2018-19	2017-18	2016-17	2015-16
.22	0	0	1.30	0

File Description	Document
Institutional data in prescribed format	View Document
Link for Additional Information	View Document

6.4.4 Institution conducts internal and external financial audits regularly

Response:

Auditing is an important part of the functioning of Baddi University of Emerging Sciences & Technology. University conducts its annual audits for all the accounts every year since inception. The audits are always carried with the help of third party audit experts, here in Baddi University. During the years 2015-2016, 2016-17, 2017-2018, 2018-2019 and 2019-2020 all Revenue (Tuition fees, Development Fund, Transportation Fees and Hostel Fees) and the expenses made by the university were audited by the audit team deputed by the Chartered Accountant of M/s Mittal Goel Associates, Sector 17, Chandigarh. All expenses such as of revenue nature and capex are audited by the audit team. The audit team deputed by the Chartered Accountant (CA) also audits stock registers, Baddi University Library and other departments. The Audit Team works under the direct control and supervision of the Director Finance of the Baddi University. Audit objection if any is settled by the Account department.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes by constantly reviewing the teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals.

Response:

The University has adopted an effective internal and external quality enhancement mechanism. The Internal academic and administrative processes are monitored continuously and are audited periodically through a robust IQAC of the University. The University also undergoes external quality audits of its processes by HPPEREC which is a statutory body established by the Govt. of Himachal Pradesh. The reports of these bodies form an input to the Internal Quality Assurance processes thus resulting in improvement. Adoption of 'Choice Based Credit System' in most of the programmes to enhance employability. Intake increased from 60 seats to 100 seats after audit done by external auditor (PCI).

Ideas generated by students are implemented in idea factory which leads to increase in internal and external quality mechanism. Departmental Research Committees of the various Schools have been established. A well-defined online grievance redressal mechanism has been developed.

School wise libraries have been established along with Central Library with all facilities and resources. Organizing Alumni meets and also inviting them for guest lectures, orientation and classroom lectures. Parents' Meeting is also organized for the betterment of students.

Quality enhancement initiatives in the academic and administrative domains successfully implemented during the last five years Campus Connectivity built up: Wi-Fi enabled campus.

Digital Administrative Processes: Online Admission, Online Fee Collection, Online Examination. Date Sheets Digitization of Academic Records and Staff Records. Website was developed.

Central Instrumentation Laboratory was established, Events Calendar/ Sports Calendar/ Cultural Activities Calendar have been introduced Biometric attendance was introduced in 2019. Seminar/Workshops have been organized.

Waste Management: University is very conscious of generating less waste and recycling it through a system that enables the used material to be reused ensuring that less natural resources are consumed. NCC, NSS wings are regularly doing their activities by organizing camps and different awareness programmes in the campus and local villages. The university has a Career Counseling Cell, ST/SC Cell looking after the welfare of the students.

Audio video Lab o an audio video lab is arranged in the library where students and teachers can enjoy and understand certain rare compositions of their choice for their development of knowledge The Examination Section has switched over from manual preparation of result to computerized tabulation and publication of result, and following it in the past five years.

The Internal Quality Assurance Cell (IQAC) of BUEST is actively engaged in promotion and maintenance of quality. It plans and coordinates the execution procedures for academic audit of every department for the existing courses and suggests for modification etc., if any corrective measures wherever required.

The IQAC takes into consideration the best teaching practices and the evaluation criteria of the teaching and non-teaching staff and also frame the rules and regulations of various regulatory bodies.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.5.2 Institution has adopted the following for Quality assurance 1. Academic Administrative Audit (AAA) and follow up action taken 2.Confernces, Seminars, Workshops on quality conducted 3. Collaborative quality initiatives with other institution(s) 4.Orientation programme on quality issues for teachers and students 5. Participation in NIRF 6.Any other quality audit recognized by state, national or international agencies (ISO Certification, NBA).

Response: D. 2 of the above

File Description	Document
Upload details of Quality assurance initiatives of the institution (Data Template)	View Document
Link for Additional Information	View Document
Paste web link of Annual reports of University	View Document

6.5.3 Incremental improvements made for the preceding five years with regard to quality (in case of first cycle), Post accreditation quality initiatives (second and subsequent cycles).

Response:

The University has adopted an effective internal and external quality enhancement mechanism. The Internal academic and administrative processes are monitored continuously and are audited periodically through a robust IQAC of the University. The University also undergoes external quality audits of its processes by HPPEREC which is a statutory body established by the Govt. of Himachal Pradesh. The reports of these bodies form an input to the Internal Quality Assurance processes thus resulting in improvement. Adoption of 'Choice Based Credit System' in most of the programmes to enhance employability. Intake increased from 60 seats to 100 seats after audit done by external auditor (PCI).

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The IQAC takes into consideration the best teaching practices and the evaluation criteria of the teaching and non-teaching staff and also frame the rules and regulations of various regulatory bodies. It suggests various parameters that need to be taken for the improvement of overall academic and administrative systems of the University. It forwards it's the observations of the academic auditors to various Schools of the University to improve day to day teaching-learning aspect and other process.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Measures initiated by the Institution for the promotion of gender equity during the last five years.

Response:

Baddi university of Emerging Sciences and Technology has a strong ethical work culture that is based on inclusivity. It observes highest ethical standards in all its activities. Equal opportunities are provided to all individuals irrespective of gender, race, caste, color, creed, language, religion, political or other opinion, national or social origin, property, birth or other status. Its unique work culture, healthy traditions and ethos have led to enrolment of women students and women staff. Safety, security and well-being, along with gender equity and friendly working atmosphere are the issues of prime concern to Baddi University of Emerging Sciences and Technology. Gender sensitivity is an inherent value in the cultural ethos of the institute and its neighbouring community, as is evident by the following facilities –

(a) Safety and Security

- Well-trained and vigilant women security guards stationed across the campus.
- Security checkpoints at all campus entries and exits.
- Rotational duty by all faculty members for discipline and security.
- The Proctorial Committee includes male and female proctors at institute as well as faculty level.
- Night Patrols by local community including students and teachers.
- Strict implementation of Anti-Ragging Campus.
- Awareness campaigns on women safety and gender sensitivity through street plays (Nukkad-Natak), rallies and camps by NSS student volunteers.
- Separate hostels for men and women with dedicated wardens.
 - Emergency contact numbers are displayed in prominent places in the campus

(b) Counselling

- Faculty counsel the students during mentoring regarding academic performance, career plans and personal issues.
- Head of the department monitors the students and counsel the students regarding depression or misbehaviour.
- Formal and informal avenues for counselling male and female students and staff for academic and other issues/problems.

- Class and Proctorial Committees are available for counselling of both males and female's students.
- Campaigns against female feticide.
- Faculty Placement Cells and Alumni Placement Assistance Cell.
- Medical Counselling, Moral Counselling, Career Counselling, Village Counselling, Vocation Counselling.

(C) Common Rooms.

- Health Centre is available in the campus with qualified physician with separate treatment rooms for girls and boys. Free medicines are provided on requirement.
- Separate space and courts are provided for sports and games of girls and they are always encouraged.

(E). Any other relevant information.

Baddi University of Emerging Sciences and Technology offer 'BETIYON KI BARI' (BKB) is BUEST's own unique initiative to promote professional education among girl students of Himachal Pradesh, to enable them to carve out a distinct niche themselves to savor the fruits of growths and industrialization. BKB is an exclusive scholarship scheme for girl students who intend to excel on professional front.

File Description	Document
Specific facilities provided for women in terms of: a. Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	View Document
Annual gender sensitization action plan	View Document

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

1. Solar energy
2. Biogas plant
3. Wheeling to the Grid
4. Sensor-based energy conservation
5. Use of LED bulbs/ power efficient equipment

Response: B. 3 of the above

File Description	Document
Geotagged Photographs	View Document

7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- Solid waste management
- Liquid waste management
- Biomedical waste management
- E-waste management
- Waste recycling system
- Hazardous chemicals and radioactive waste management

Response:

BUEST is committed to “zero waste” and reducing the environmental impact of its activities through its philosophy of “reduce-reuse-recycle”. A prudent budgeting approach is adopted in what we purchase as a first step towards reducing waste.

Liquid Waste Management

The University adheres to a strict protocol of liquid waste disposal in its laboratories. Any glassware used in the laboratory is rinsed with minimum water and placed in the liquid waste container. The liquid waste is segregated into organic and inorganic waste. Inorganic waste such as concentrated acidic or alkaline solutions are neutralized before disposal. Sodium bi-carbonate or Calcium oxide (lime) is used for the neutralization process so that the neutralized liquid contains no harmful substance.

Solid Liquid Management

The waste water from the RO plant is discharged back in back into the environment which is effectively utilized to water the lawns sapling and trees into university.

7.1.4 Water conservation facilities available in the Institution:

1. Rain water harvesting
2. Borewell /Open well recharge
3. Construction of tanks and bunds
4. Waste water recycling
5. Maintenance of water bodies and distribution system in the campus

Response: A. Any 4 or all of the above

File Description	Document
Geotagged photographs / videos of the facilities	View Document

7.1.5 Green campus initiatives include:

1. Restricted entry of automobiles

2. Use of Bicycles/ Battery powered vehicles
3. Pedestrian Friendly pathways
4. Ban on use of Plastic
5. Landscaping with trees and plants

Response: Any 4 or All of the above

File Description	Document
Geotagged photos / videos of the facilities	View Document

7.1.6 Quality audits on environment and energy regularly undertaken by the Institution and any awards received for such green campus initiatives:

1. Green audit
2. Energy audit
3. Environment audit
4. Clean and green campus recognitions / awards
5. Beyond the campus environmental promotion activities

Response: E. None of the above

7.1.7 The Institution has disabled-friendly, barrier free environment

1. Built environment with ramps/lifts for easy access to classrooms.
2. Disabled-friendly washrooms
3. Signage including tactile path, lights, display boards and signposts
4. Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment
5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

Response: D.1 of the above

7.1.8 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).

Response:

BUEST is undertaking various initiatives in the form of celebration of days of Eminent personalities National Festivals, NSS, and other such activities to provide for an inclusive environment by bringing students and teachers with diverse background on single platform for creating inclusive environment, these functions help in developing tolerance harmony towards culture, region and linguistics and also communal social economics and other diversities. Convocation ceremony is conducted, where the convocation address is delivered to inspire and motivate the students for future journey.

SIX important BUEST festivals,

Emanation - Annual Techno-Cultural Fest, **Prabandhotsav**-Management Fest, B. Sc. Nursing Freshers Party,

Lakshya - Inter University Sports Meet, **Sangam** - Freshers Party and **Master Mind** etc. are celebrated every year in University Campus.

File Description	Document
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View Document

7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).

Response:

Baddi University of Emerging Sciences and Technology sensitizes the students and the employees of the institution to the constitutional obligations about values, rights, duties, and responsibilities of citizens which enables them to conduct as a responsible citizen. To equip students with the knowledge, skill, and values that are necessary for sustaining one's balance between a livelihood and life by providing an effective, supportive, safe, accessible, and affordable learning environment. These elements are inculcated in the value system of the college community. The students are inspired by participating in various programs on culture, traditions, values, duties, and responsibilities by inviting prominent people. The institute conducted awareness programs on the ban on plastics, cleanliness, Swachh Bharat, etc. involving students.

The University establishes policies that reflect core values. Code of conduct is prepared for students and staff and everyone should obey the conduct rules. The affiliating University curriculum is framed with mandatory courses like Professional ethics and human values, Constitution of India, Essence of Indian Traditional Knowledge, as a small step to inculcate constitutional obligations among the students.

7.1.10 The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.

- 1. The Code of Conduct is displayed on the website**
- 2. There is a committee to monitor adherence to the Code of Conduct**
- 3. Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
- 4. Annual awareness programmes on Code of Conduct are organized**

Response: B. 3 of the above

File Description	Document
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View Document

7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).

Response:

The University believes in celebrating events and festivals in college. It is an integral part of learning and building a strong cultural belief in a student. The events and festivals organized at college are often celebrated with great pomp and gaiety. Therefore our college celebrates & organizes the birth anniversaries of national heroes and important Days. For the academic year's 2016-20. We celebrated the various days like World Environment Day, International Yoga, International Women's Day, National Science Day, Mathematics Day Engineer's Day and Civil Day Celebration

The University also believes that education will allow the students to bloom, blossom, giving them the right platform where they will work towards becoming a responsible citizen.

File Description	Document
Geotagged photographs of some of the events	View Document
Annual report of the celebrations and commemorative events for the last five years	View Document

7.2 Best Practices

7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Response:

Title of the practice

IDEA FACTORY – Research and Development Wing, BUEST

Objective of the Practice

- 1.To provides a platform to students, faculty, and industry experts to pool in their ideas and jointly work on realization till the IPR and patenting.

2. To convert ideas into reality for the betterment of people.
3. To serve as a transfer agency when the idea, converted into the product, will be shared with the respective industry for production and design.
4. To offer a combination of labs and workshops and to amply equipped to carter each stage of product development cycle brainstorming, designing, prototyping & testing.
5. To promote Project-based learning.

The Context

Innovation is a process by which a domain, a product, or a service is renewed and brought up to date by applying new processes, introducing new techniques, or establishing successful ideas to create new value. Innovation in education encourages teachers and students to explore, research and use all the tools to uncover something new. It involves a different way of looking at problems and solving them. The thinking process that goes into it helps students develop their creativity and problem-solving skills. Project-based learning not only provides opportunities for students to collaborate or drive their learning, but it also teaches them skills such as problem-solving and helps to develop additional skills integral to their future, such as critical thinking and time management. In this direction, the university has a Research and Development wing for enhancing and supporting the new and hidden talents of its students.

The Practice

Idea Factory is the Research and Development wing of Baddi University, where Ideas are made into reality for the betterment of people. Idea Factory is the one-stop point for anything and everything in thoughts getting converted to products. Idea Factory offers a combination of labs and workshops and is amply equipped to carter each stage of product development cycle brainstorming, designing, prototyping & testing. It is an all-encompassing incubation centre to convert original thoughts into products. The setup provides a platform for students, faculty, and industry experts to pool in their ideas and jointly works on the realization of their product. It also serves as a transfer agency when the idea, converted into the product, will be shared with the respective industry for production and design. The products churned out, of the Idea Factory consist of two types – projects generated independently by individuals or teams and funded projects undertaken in conjunction with the relevant industry. Either way, the projects have their dignity and equal positions no matter the type of projects or the number of people involved. Ideas are valued equally in Idea Factory and equal opportunities are given to curious and talented minds. Ideas are valued equally in Idea Factory and equal opportunities are given to curious and talented minds. Idea Factory is an organization of Baddi University that helps the students to share their innovative and unique ideas and openly work on them. It is open to all students. Idea Factory also organizes various technical and non-technical events like tech-fests, workshops, webinars, seminars, and various competitions that help students mature socially by providing a setting for student interaction, relationship formation, and discussion. Idea Factory comprises a Convener, a student coordinator, and a Faculty Coordinator, members and volunteers all working conjointly.

Evidence of Success

1. Patents filed

1.	APPLICATION NO	DOCKET NO
Helmet Wear Warden	1.	1.

Pneumatic Crown Safety Redefined

1.

1.

1. 30+ Projects completed successfully.
2. 20+ Events organised successfully.

Problems Encountered and Resources Required:**Resources Required**

1. Budget to develop the projects.
2. Idea factory room.
3. Technical equipment's, tools, software's etc.
4. Faculty management team, team members.

The required resources are provided by the management to run the organisation effectively.

Title of the practice**ACADMIC ADOPTION****Objective of the Practice**

1. Intends to redefine Academia Industry relationship through one of its kind, unique and innovative handshaking program, "Academic Adoption Program"
2. This partnership will help the industry to identify the budding talent right at the nascent stage.
3. The students, in turn will have an opportunity to be adopted by the corporate world on the basis of their performance in the selection process.

The Context

While Running the University, we found that there were extremely bright Students who were determined to do something good with their lives but had no means to a decent platform to enable them to move ahead.

We realized that BUEST had the resources and capabilities to ensure that these bright Student with drive and motivation could be put into good Industries. Our close relationship with the parents, their total faith in BUEST, our learning from past experience, and our loyal patronage, gave us the confidence to start this Academic Adoption Program. It is a program wherein generous patrons adopt a student to sponsor his/her studies until completion of University life.

The Practice

BUEST, Baddi intends to redefine Academia Industry relationship through one of its kind, unique and innovative handshaking program, “Academic Adoption Program”. This partnership will help the industry to identify the budding talent right at the nascent stage. The students, in turn will have an opportunity to be adopted by the corporate world on the basis of their performance in the selection process.

Selection Process

1. Academic Adoption program will start in 2nd year of Engineering.
2. Should have at least 60 % in 12th standard.
3. LEET student can also apply for this program.
4. Should be able to work in shifts.

BUEST sending 2nd and 3rd year students to **Alpla India Pvt. Ltd. Baddi (H.P)** in 2 batches (9 students in each batch). These two batches will work in the adopted industry alternatively for 15 days in a month i.e., for 1st seven days, one of the two batches will be working in the industry, while other will be involved in academics and vice-versa for the next 7 days in a month. Students should be ready to work in different shift timings with **Alpla India Pvt. Ltd. Baddi (H.P)**.

1. Academic Adoption program will start in 2nd year of Engineering.
2. Should have at least 60 % in 12th standard.
3. LEET student can also apply for this program.
4. Should be able to work in shifts.

Evidence of Success

Alpla India Pvt. Ltd. Baddi(H.P) selected 18 students from Mechanical and Electrical Engineering for the new batch of Academic Adoption Program.

Problems Encountered and Resources Required:

Problems Encountered:

- Providing slots in the time-table to give training in regular time.
- Motivating the students to stay beyond working hours.

Resources Required:

- Transport required for learning beyond working hours.

- Requirement for Extra Faculty.

The University management provided the required resources and the problems are solved with co-operation of staff and students by providing suitable slots and staying beyond the working hours, if required.

File Description	Document
Best practices in the Institutional web site	View Document
Any other relevant information	View Document

7.3 Institutional Distinctiveness

7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

Vision

The driving force, the vision of the institute is “We are Committed to be known for creating and imparting knowledge to prepare future ready professionals who would make positive impact on Society”

Mission

We Would achieve our vision through Learning, Ideation and Application of Knowledge by:

- Creating a State-of-the-art teaching learning process.
- Creating stimulating environment conducive to out-of-box-thinking.
- Encouraging Industry oriented Project Based learning.
- Value based learning by imbibing core values of-

1. Respect for individual
2. Integrity
3. Credibility
4. Excellence

Project based Learning

The main objective of the Project based learning (PBL) to shift students' approach from theoretical to practical knowledge. Student able to solve the problem and challenges. It increases their problem-solving skills and enhance programming skills.

Scholarships

Substantial scholarships are offered by the university to reward meritorious students joining the University and to further motivate them to put their best during the course of their studies. Newly admitted students are allowed exemption in tuition fee for the first year of their studies on the basis of their ranks in the respective Entrance Tests. In the subsequent year(s), students are rewarded for their sustained hard work and merit in the results declared by the University for the preceding year. This reward is given for the academic performance on a year-to-year basis.

SNo	Academic Year	No of Students	Amount
1	2015-2016	944	15662431.00?
2	2016-2017	699	1474421.00?
3	2017-2018	607	10823697.00?
4	2018-2019	532	5612553.00?
5	2019-2020	698	7129130.00?

Betiyan Ki Bari

We have an exclusive scholarship scheme for girl students who intend to excel on professional front. The scholarship is offered on the basis of a test. In order to avail this scholarship scheme, a girl child needs to apply before 31st March every year. The details of the scholarship are as under

No. of Students	Annual Tuition Fee Exemption
1-5	100%
6-15	50%

16-30	40%
31-50	30%
51-70	20%

This scholarship scheme will be effective for the subsequent years provided the student fulfils the following criteria:

- Minimum CGPA of 8.0 at the end of the previous academic year.
- Good disciplinary record
- Should have passed all papers in the first attempt.

Training & Placement:

Department of Training & Placement at Baddi University of Emerging Sciences & Technology is the vehicle on which valued relationships and collaboration between the college and corporate community are formed thereby promoting partnerships between Industry and Academia. Top notch corporate houses like L&T, TATA Steel, ORANGE Business Services, Vodafone, Infosys, Wipro, Havells, and also the defence services like Indian Navy, Indian Army etc have shown a strong interest in the young professionals of BUEST to fulfil their manpower needs and BUEST professionals have always proved to be an asset to these organizations.

Training and Placement Cell at BUEST is providing ample opportunities for the young minds to sharpen their intellect and to mould soft skills through regular training programs, interaction with leaders from industry and academia and industry interface through industrial visits and projects.

Having crossed the threshold into the department, students are exposed to an unmatched learning experience, which develops their analytical thinking, and stimulates in them the acumen to excel in the toughest of competition, finally bring out of them the very best technocrats.

There are a large number of organizations with which we have enjoyed lasting and fruitful relationship. These have been visiting the campus year after year for recruiting the fresh talent.

Personality Development Program

PDP at Baddi University of Emerging Sciences & Technology is a regular program provided to each students of the university right from their inception in the university.

Feature of PDP:

- Well Structured and Tailor-Made Curriculum
- Personal Attention to Each and Every Student
- Extra inputs to the student's week in particular areas

Training Areas:

- Soft- Skill Training
- Behavioural Training
- Corporate- Culture Training
- Aptitude Training (Quantitative/DI/ Reasoning)

Campus Recruitment

Corporate being the ultimate destination of the young professionals of BUEST, intensive facilitation is provided to the students for starting their career with the top-notch Corporate Houses. Each year, the number of companies visiting BUEST for the Campus Recruitment is increasing tremendously.

Recruitment Highlights at Baddi University of Emerging Sciences & Technology

- Successful placement of 100% eligible students of 2019 batch.
- Nodal Center for the recruitment for Indian Navy and Indian Army from the past many years.
- Dedicated support to the students for the Summer Placements.
- Goal of achieving 100% placement for 2020 batch round the corner.

5. CONCLUSION

Additional Information :

- The salient features of **New Education Policy** are taken into consideration and BUEST is committed to adopt it.
- Since January, 2020 Covid-19 Pandemic we have been having, like others, some new challenges. On account of lockdown experimental work is significantly effected. Students and researchers are unable to do their experimental work in the labs and gain confidence with respect to their studies.
- Online teaching is the only mode of teaching learning process. Which has further the lowered the overall potential and capability of the students, which they use to have otherwise during offline teaching.
- The gap created during Covid-19 pandemic specifically with respect to experimentation can never be filled, unless the students are given extra classes after the Covid-19 Pandemic to fill the gap.
- We have invited the expert from the industry and academics to fill the gap of regular interaction through webinars.
- During Covid-19 Pandemic, we have conducted online interviews for our students and many students got selected in their opted specialization.
- The teaching pedagogy also includes case based teaching approach to prepare the students towards problem solving attitude. The entire academic set up revolve around outcome based.
- We believe in participation of all stake holders in the teaching learning process. In this series we have conducted parents teacher meetings in order to understand their perceptive and getting feedback and suggestions with respect to overall development of their wards.
- The suggestions of the parents have significant role in the Institutional building.
- For the all round personality development, we have a team of dedicated faculty members who help in grooming the students by various exercises which is a part of regular course curriculum.
- The gaps identified were removed and due care has taken to remove any deficiency left in the teaching learning process. Mentoring is a regular exercise where all faculty members regularly interact with the students to solve their problems.

Keeping in view of the emerging digital requirement of industry we also trained our students in this direction.

Concluding Remarks :

BUEST's aim is to be known for academic excellence, research and industry-linked Top Ranked Institution of Himachal Pradesh. The university is committed to deliver quality education and the course curriculum is in line with the industry requirement.

The University is taking care of all the dimensions which help in building a good ecosystem for the overall development of their students. BUEST encourages the faculty members to participate in various conferences, workshops, Faculty Development Programs to enhance their capabilities and potentials. We have incubated Idea Factory to encourage the students in developing their ideas and to convert into a business plan. The University is concerned about the welfare of the students and a committed team of the faculty members available round the clock in campus to solve the issues of the students. The university ensures effective curriculum development and delivery through a well planned process which is monitored every year. The course curricula were designed in line with the industry requirement and regular updation. Periodic meetings of

IQAC take stock of the progress of teaching learning in the university. The university believes in practical approach along with the theoretical class room. BUEST has signed MOUs with Industries and institutions to share their expertise with our faculty and students. Placement is a major concerned area, for which a devoted Training and Placement Cell is continuously working for their placements. University has spacious and well-furnished library equipped with all kinds of text books, reference books, magazines and reputed National and International Journals, separate reading rooms, digital library with access to e-journals, e-books, case studies, articles and research papers. 'Betiyon Ki Bari' is an unique imitative of BUEST to promote professional education among girl students.

Responsibility with respect to the creation of knowledge and its disseminations for the benefit and upliftment of the society lies upon the shoulders of the faculty. BUEST aims to be the most preferred choice of the students as well as the faculty with respect to the academic excellence and leadership in human development.

BUEST is the BEST with U in it, itself expresses the involvement of all.

NAAC



BADDI UNIVERSITY
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