



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	<b>ETERNAL UNIVERSITY, BARU SAHIB</b>
Name of the head of the Institution	<b>H.S. Dhaliwal</b>
Designation	<b>Vice Chancellor</b>
Does the Institution function from own campus	<b>Yes</b>
Phone no/Alternate Phone no.	<b>01799-276012</b>
Mobile no.	<b>9816400545</b>
Registered Email	<b>contact@eternaluniversity.edu.in</b>
Alternate Email	<b>additionalregistrareu@gmail.com</b>
Address	<b>Eternal University Baru Sahib, Via-Rajgarh, District- Sirmour (H.P.)-173101</b>
City/Town	<b>Rajgarh</b>

State/UT	Himachal pradesh
Pincode	173101
<b>2. Institutional Status</b>	
University	Private
Type of Institution	Women
Location	Rural
Financial Status	private
Name of the IQAC co-ordinator/Director	Dr B.S.Sohal
Phone no/Alternate Phone no.	+919417602076
Mobile no.	8837758061
Registered Email	iqac@eternaluniversity.edu.in
Alternate Email	aqar@eternaluniversity.edu.in
<b>3. Website Address</b>	
Web-link of the AQAR: (Previous Academic Year)	<a href="http://www.eternaluniversity.edu.in">http://www.eternaluniversity.edu.in</a>
<b>4. Whether Academic Calendar prepared during the year</b>	
	Yes
if yes, whether it is uploaded in the institutional website: Weblink :	<a href="http://www.eternaluniversity.edu.in/wp-content/uploads/2019/05/Academic-Calendar-2019-20.pdf">http://www.eternaluniversity.edu.in/wp-content/uploads/2019/05/Academic-Calendar-2019-20.pdf</a>
<b>5. Accrediation Details</b>	

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B	2.14	2018	03-Jul-2018	02-Jul-2023

6. Date of Establishment of IQAC

25-Jul-2018

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture

Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Regular meeting of Internal Quality Assurance Cell (IQAC)	09-Feb-2019 1	19
Regular meeting of Internal Quality Assurance Cell (IQAC)	26-Apr-2019 1	13
Feedback from all stakeholders Students, collected, analyzed and used for improvements	30-Jun-2019 1	41
Feedback from all stakeholders Teachers, collected, analyzed and used for improvements	30-Jun-2019 1	17
Feedback from all stakeholders Alumni, collected, analyzed and used for improvements	30-Jun-2019 1	15
Feedback from all stakeholders Parents,, collected, analyzed and used for improvements	30-Jun-2019 1	14
Feedback from all stakeholders Employers, collected, analyzed and used for improvements	30-Jun-2019 1	7

**8. Provide the list of Special Status conferred by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Recognition of Scientific and Industrial Research Organization (SIROs)	0	SIROs	2018 3	0
Minority Status	0	National Commission for Minority Educational Institution GOI	2016 0	0

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**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View File](#)

**10. Number of IQAC meetings held during the year :**

2

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)

**11. Whether IQAC received funding from any of the funding agency to support its activities during the year?**

Yes

If yes, mention the amount

150000

Year

2018

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

Curriculum design and revision Feb 11, 2019. Biometric attendance of the students Feb 11, 2019.

Allotment of UG student advisors April 20, 2019. Faculty industrial programme and framing rule April 20, 2019. Minimum budget of each department practical's April 20, 2019. Feedback forms from teacher, students, alumni, employer and parents April 20, 2019.

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

Plan of Action	Achivements/Outcomes
Reforms in Examination System	The teaching quality became better as the burden of first sessional examination was lowered by deleting them.
Feedback forms from students, teachers, parents, alumni, and Employer	The Input helped in helping students/teachers/ employers/ alumni and parents. The suggestion box has installed at entry gates of the University.
Mentoring system for student	Helping in improving quality teaching
Curriculum revision	Helping in placement of students.
Attendance on ERP	The students have become punctual.
Holding quizzes, group discussion & preparation for JRF/SRF exam	Initiatives at college level have been made to hold such competitions and prepare students for JRF/SRF exams

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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Academic Council, Eternal University, Baru Sahib	01-Oct-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

Yes

Date of Visit	12-Feb-2019
<b>16. Whether institutional data submitted to AISHE:</b>	Yes
Year of Submission	2019
Date of Submission	30-Jan-2019
<b>17. Does the Institution have Management Information System ?</b>	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	Enterprise resource planning (ERP) is business process management software that allows an organization to manage the business and automate many block offices functions related to technology, services and human resource. At Eternal University, we have implemented some of the ERP modules listed below. • Admissions • Library • Class attendance • Fee • ID cards • HR • Student information systems Some of the modules under development are • Hostel • Placements • Examinations • Store Management Biometric attendance both in the morning as well as in the evening on all university working days is being recorded. For each college there is separate appliance for attendance.

**Part B**

**CRITERION I - CURRICULAR ASPECTS**

**1.1 - Curriculum Design and Development**

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

Name of Programme	Programme Code	Programme Specialization	Date of Revision
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<b>BTech</b>	<b>BTEC</b>	<b>ETE</b>	<b>13/08/2018</b>
<b>BTech</b>	<b>BTCS</b>	<b>CSE</b>	<b>13/08/2018</b>
<b>BEd</b>	<b>BED</b>	<b>EDU-406, EDU-407 EDU-413, EDU-414 EDU-420, EDU-421 EDU-426, EDU-427</b>	<b>18/12/2018</b>
<b>BSc</b>	<b>BSEC</b>	<b>ECON-207</b>	<b>13/08/2018</b>

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

<b>Programme with Code</b>	<b>Programme Specialization</b>	<b>Date of Introduction</b>	<b>Course with Code</b>	<b>Date of Introduction</b>
<b>BTech</b>	<b>CSE</b>	<b>01/08/2018</b>	<b>Induction Program (TRG101) Inventions Innovations in Computing (CSE202)</b>	<b>01/08/2018</b>
<b>BTech</b>	<b>ETE</b>	<b>01/08/2018</b>	<b>Non-Conventional Energy Sources (ETE211)</b>	<b>21/01/2019</b>
<b>PhD or DPhil</b>	<b>BOTANY</b>	<b>01/08/2018</b>	<b>BOT-601- Research Methodology; BOT-602- Instrumental Methods of Analysis; BOT-603- Recent Advances in Botany; BOT-701- Dissertation</b>	<b>01/08/2018</b>
<b>BSc (Agriculture)</b>	<b>Agriculture</b>	<b>01/08/2018</b>	<b>Experiential Learning</b>	<b>01/08/2018</b>

### 1.2 - Academic Flexibility

#### 1.2.1 - New programmes/courses introduced during the Academic year

<b>Programme/Course</b>	<b>Programme Specialization</b>	<b>Dates of Introduction</b>
<b>MSc</b>	<b>Plant Pathology; Horticulture; Genetics and Plant Breeding; Entomology</b>	<b>05/08/2018</b>
<b>PhD or DPhil</b>	<b>Entomology; Botany</b>	<b>05/08/2018</b>
<b>BSc</b>	<b>IT</b>	<b>23/05/2019</b>
<b>BTech</b>	<b>ICT</b>	<b>23/05/2019</b>
<b>MSc</b>	<b>Renewable Energy</b>	<b>23/05/2019</b>

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

<b>Name of programmes adopting CBCS</b>	<b>Programme Specialization</b>	<b>Date of implementation of CBCS/Elective Course System</b>
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BSc (Agriculture)	Agriculture	01/02/2018
PhD or DPhil	Botany	05/08/2018
BSc	IT	23/05/2019
BTech	ICT	23/05/2019
MSc	Renewable Energy	23/05/2019

### 1.3 - Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Human Values and Professional Ethics (EDU101)	01/08/2018	47
Environmental Studies (EVS301)	21/01/2019	19

#### 1.3.2 - Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BSc (Agriculture)	Rural Agriculture Work Experience (RAWES) Program	51
BSc Nursing	Epidemiology of Hypertension-Mini project	58
BSc Nursing	School health programs	58
MSc Nursing	Prevalence of anemia-Mini Survey Project	2
MSc Nursing	Occupational disease-Mini survey project	5
MSc Nursing	School health programs	5
MSc Nursing	In-service education program for ASHAs, CHC, Sangrah	7
MSc Nursing	Health and Screening health Mela for Antenatal & postnatal women	7
MSc Nursing	Educational Visit to Delhi	23
MSc Nursing	Community Visit, CMC, Vellore, Tamil Nadu	5
BCom	6th Sem. students have completed their internships	24
BTech	Android device hacking and Attacks; Telecom Prediction System; Revenue	10



	Forecast of Waste Paper Sale; Vehicle Prediction System; Omron Healthcare; Bus Ticketing System; Payroll Management System; Heart Stroke Prediction; ATM Simulator; Manthan System	
BTech	Implementation of Different Protocols at College Network Using Redistribution; Implementation of BGP And ISIS in a Network; Faitthy's; Tuberculosis Detection Using Machine Learning Algorithm; Online Wedding Planner; The Gym Management	6
BTech	Breast Cancer Tumor Prediction; HR Analytics; Digital Marketing and Promotion of Various Websites; Micro Electromechanical System Fabrication and Characterization of Gyroscope; Wheel Speed Sensing Device Using Arduino	5
BTech	PLC Automation and Development of Robotic Arm Based on Arduino; Refrigerant Gas Auto Tonner Changeover System; Energy Saving Home Automation System; Real Time Automation of Agriculture Land; Voice Controlled Assistant with Raspberry Pi Using IOT	5
BTech	Converged Core and Home Automation System using Bluetooth; Micro Electromechanical System Fabrication and Characterization; Paralytic Patient Monitoring and Helping Device Based on Arduino Industrial Automation (Panel of Transporter and trolley for C	4
BTech	Voice Controlled Google Assistant With Raspberry Pi Using Internet of Things (Configure In English); Utilization Of Raspberry PI As A PLC In Automation; Designing Of PLC Using Raspberry PI With The Help of CODESYS Software;	3
BTech	Automatic Liquid Filling Station Using Delta PLC(Programmable Logic Control); Simulation Of Box Filling Plant Using PLC And Delta PLC Device; Wifi Control Robot Car; Automatic Door Simulation Using Programmable Logic Controller;	4
BEd	Educational Internship	41

#### 1.4 - Feedback System

##### 1.4.1 - Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes

Employers	Yes
Alumni	Yes
Parents	Yes

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

### Feedback Obtained

Total Feedback forms received from students (41), teachers (17), employers (7), alumni (15) and parents (14). The students Feedback represented excellence in library books availability, reading space, cataloging and arrangement of books. However, there is a requirement of Xeroxing facility in the library. The WiFi connection in the hostel library need their satisfaction. The students are happy with the examinations results in timely manner, cleanliness of campus premises, classrooms toilets, quality of drinking water food. The matter was discussed in IQAC regarding Xeroxing facility the WiFi connectivity in the hostels and will be soon rectified. The teacher feedback proforma's showed the satisfaction to the excellence level in course programme, infrastructure facility, freedom to propose suggestions, freedom to adopt new technology many others as shown in the appendix. However, there is urgent need of staff canteen entertainment facility. The matter will be taken up in the next IQAC. The employer feedback form showed excellence in communication skills, planning organization technical knowledge of the students. However, lack of involvement in social activities, the leadership qualities selfinitatives need attention of IQAC. The alumni feedback form showed excellence in overall development of the students. The parents' feedback form showed satisfaction regarding hostel facility the campus environment conducive for overall development of their wards.

## CRITERION II - TEACHING- LEARNING AND EVALUATION

### 2.1 - Student Enrolment and Profile

#### 2.1.1 - Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	ETE	30	9	9
BTech	CSE	60	22	22
Mtech	ETE	18	0	0
Mtech	CSE	18	1	1
Mtech	Renewable Energy	18	0	0

<b>Mtech</b>	<b>Material Science &amp; Engineering</b>	<b>18</b>	<b>0</b>	<b>0</b>
<b>PhD or DPhil</b>	<b>ETE</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>BSc</b>	<b>Medical</b>	<b>30</b>	<b>11</b>	<b>11</b>
<b>BSc</b>	<b>Non Medical</b>	<b>30</b>	<b>9</b>	<b>9</b>
<b>BSc</b>	<b>(Hons.) Mathematics</b>	<b>30</b>	<b>5</b>	<b>5</b>
<b>BSc</b>	<b>(Hons.) Chemistry</b>	<b>30</b>	<b>0</b>	<b>0</b>
<b>BSc</b>	<b>(Hons.) Physics</b>	<b>30</b>	<b>0</b>	<b>0</b>
<b>BSc</b>	<b>(Hons.) Microbiology</b>	<b>30</b>	<b>6</b>	<b>6</b>
<b>BSc</b>	<b>Hons.) Biochemistry</b>	<b>30</b>	<b>0</b>	<b>0</b>
<b>BSc</b>	<b>(Hons.) Botany</b>	<b>30</b>	<b>0</b>	<b>0</b>
<b>BSc</b>	<b>(Hons.) Zoology</b>	<b>30</b>	<b>0</b>	<b>0</b>
<b>MSc</b>	<b>Biochemistry</b>	<b>15</b>	<b>0</b>	<b>0</b>
<b>MSc</b>	<b>Botany</b>	<b>30</b>	<b>6</b>	<b>6</b>
<b>MSc</b>	<b>Zoology</b>	<b>30</b>	<b>5</b>	<b>5</b>
<b>MSc</b>	<b>Microbiology</b>	<b>15</b>	<b>0</b>	<b>0</b>
<b>MSc</b>	<b>Mathematics</b>	<b>15</b>	<b>2</b>	<b>2</b>
<b>MSc</b>	<b>Chemistry</b>	<b>15</b>	<b>5</b>	<b>5</b>
<b>MSc</b>	<b>Physics</b>	<b>15</b>	<b>9</b>	<b>9</b>
<b>MSc</b>	<b>Environmental Sciences</b>	<b>15</b>	<b>0</b>	<b>0</b>
<b>PhD or DPhil</b>	<b>Chemistry</b>	<b>2</b>	<b>2</b>	<b>2</b>
<b>PhD or DPhil</b>	<b>Biochemistry</b>	<b>2</b>	<b>1</b>	<b>1</b>
<b>PhD or DPhil</b>	<b>Physics</b>	<b>3</b>	<b>1</b>	<b>1</b>
<b>PhD or DPhil</b>	<b>Botany</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>PhD or DPhil</b>	<b>Zoology</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>PhD or DPhil</b>	<b>Mathematics</b>	<b>2</b>	<b>2</b>	<b>2</b>
<b>BSc (Agriculture)</b>	<b>(Hons.) Agriculture</b>	<b>90</b>	<b>75</b>	<b>75</b>
<b>BTech</b>	<b>Food Technology</b>	<b>60</b>	<b>14</b>	<b>14</b>

MSc	Biotechnology	15	0	0
MSc	Food Technology	15	2	2
MSc	Agronomy	4	4	4
MSc	Horticulture	10	3	3
MSc	Genetics & Plant Breeding	10	2	2
MSc	Plant Pathology	4	2	2
MSc	Entomology	4	0	0
PhD or DPhil	Biotechnology	15	3	3
PhD or DPhil	Food Technology	2	2	2
PhD or DPhil	Entomology	2	0	0
BSc	(Hons.) Economics	40	10	10
BCom	(Hons.)	60	22	22
MSc	Economics	15	4	4
MBA		30	4	4
MCom		15	0	0
PhD or DPhil	Economics	2	0	0
PhD or DPhil	Management	2	1	1
BA	(Hons.) Music	40	16	16
BA	Humanities	80	67	67
BSc	(Hons.) Psychology	30	13	13
MA	English	15	2	2
MA	Music	15	9	9
MA	Punjabi	10	5	5
MSc	Psychology	15	8	8
PhD or DPhil	English	2	2	2
PhD or DPhil	Music	2	1	1
BSc Nursing		65	56	63

<b>MSc Nursing</b>		<b>25</b>	<b>17</b>	<b>10</b>
<b>MPH</b>		<b>30</b>	<b>13</b>	<b>13</b>
<b>MHA</b>		<b>30</b>	<b>6</b>	<b>6</b>
<b>BEd</b>		<b>50</b>	<b>27</b>	<b>27</b>

## 2.2 - Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
<b>2018</b>	<b>1125</b>	<b>195</b>	<b>0</b>	<b>0</b>	<b>128</b>

## 2.3 - Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
<b>128</b>	<b>128</b>	<b>356</b>	<b>10</b>	<b>14</b>	<b>8</b>

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

Akal College of Nursing: The college adopts Foster families system which provides an environment in which students can interact freely and share their concerns and problems with classmates, seniors and teachers, to bring about group cohesion among students of different batches, to reduce stress among the students, to support academically weak students and to promote leadership and creative abilities among students. Development of foster families with vertical distribution of students helps in a way that all families will have students from all batches. Second year M.Sc. (Nursing) students will be the head of the family as foster mothers. Teacher incharge of the family will act as shadow mother providing support and guidance as needed. As there are 23 second year M.Sc. (Nursing) students, it was decided to have 23 families. The activities enforced to the foster family were: foster parents must update the information pertaining to their respective students personal file folder and maintain confidentiality identify and inform the management regarding any deviation in students' behaviour/attitude in academic or personal activities conduct 1:1 interaction with allotted students twice in a week and in case of any abnormality, notes has to be informed to the higher authority as early as possible coordinate with class coordinators for further information if needed and in absence of foster parent the warden will be taking care of the students. Akal College of Agriculture: The college has adopted a system in which the students' numbers of 1015 are allotted to a teacher as a mentor. The mentor will not change during the course of their degree. The student advisement manual has been designed for each student to be under the custody of the

mentor. The personnel details of the students are being mentioned in this manual. It includes the academic record, extracurricular activities, hobbies etc. More important that the student has to get it signed from the parents, so that they know regarding their ward performance and activities. Akal College of Arts and Social Sciences: The college has adopted the student teacher mentoring system in which the students' numbers 15 to 23 are allotted to a teacher as a mentor who will not be changed during the course of their degree. These Mentors meet the group of students at least twice a month continuously monitors, counsels, guides and motivates the students in all academic matters contacts parents/guardians if situation demands e.g. academic irregularities, negative behavioral changes and interpersonal relations, detrimental activities etc. advises students in their career development/professional guidance. Rest of the Colleges under the University: Each class incharge is assigned the job to mentor the respective students. Whenever students are facing academic problems, mentors help them by all means. They continuously monitor, counsel, guide and motivate mentees in all academic affairs during their course of study. During last semester of each programme at UG PG level, students of final classes were helped in choosing courses and institutions for their higher studies.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1320	128	1:10.3

## 2.4 - Teacher Profile and Quality

### 2.4.1 - Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
180	128	52	22	68

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Dr. S. K. Chauhan	Professor	Acted as subject expert for conducting interviews for the posts of Asstt. Professors at UHF, Solan.
2018	Dr. Ajar Nath Yadav	Assistant Professor	Best Teacher Award by Eternal University, Baru Sahib
2018	Dr. Karan Singh	Associate Professor	Best Teacher Award by Eternal University, Baru Sahib
2018	Dr. Radheshyam Rai	Associate	Best Teacher Award by Eternal University, Baru Sahib

		Professor	
2018	Dr. Kamal Kishore	Assistant Professor	Recognized as committee member for developing training package for the training of key resource persons on constructivist pedagogy by Regional Institute of Education (NCERT), Bhopal.
2019	Dr. S. K. Chauhan	Professor	Recognition as paper moderator for JRF (ICAR), 2019 for Social Science Group through NTA, Noida. New Delhi
2019	Dr. S. K. Chauhan	Professor	Recognition as Superintendent for holding the exam of National Accountancy Talent Search (NATS), 2019 for the first time at Eternal University Baru Sahib
2019	Dr. S. K. Chauhan	Professor	Recognized as Chief Organizing Secretary for two days seminar on "Agriculture Diversification and Vulnerability of Climate Change for Sustainable Food Security and Livelihoods in NorthWestern Himalayas". March, 2526, 2019, held at Eternal University
2019	Ms. Simranjeet Kaur	Assistant Professor	"Agriculture Diversification and Vulnerability of Climate Change for Sustainable Food Security and Livelihoods in NorthWestern Himalayas". March, 2526, 2019, held at Eternal University
2019	Dr. Radheshyam Rai	Associate Professor	INSA Visiting Scientist from IIT Delhi
2019	Dr. Radheshyam Rai	Associate Professor	IASc INSA NASI Summer Research Fellowship Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bangalore

## 2.5 - Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BA	Humanities	5th	21/12/2018	23/03/2019
BA	Humanities	3rd	12/12/2018	09/03/2019
BA	Humanities	1st	21/12/2018	29/03/2019
BSc	Psychology	5th	20/12/2018	12/03/2019
BSc	PsychologyPsychology	3rd	20/12/2018	07/03/2019
BSc	Psychology	1st	21/12/2018	11/03/2019

BSc	(Hons.) Chemistry (Hons.) Chemistry	5th	21/12/2018	25/02/2019
BSc	(Hons.) Chemistry 3r	3rd	21/12/2018	25/02/2019
BSc	(Hons.) Mathematics	5th	20/12/2018	26/03/2019
BSc	(Hons.) Mathematics	3rd	21/12/2018	22/02/2019
BSc	(Hons.) Mathematics	1st	21/12/2018	28/02/2019
BSc	(Hons.) Microbiology (Hons.) Microbiology	5th	21/12/2018	22/02/2019
BSc	(Hons.) Microbiology	3rd	21/12/2018	22/02/2019
BSc	(Hons.) Microbiology	1st	21/12/2018	01/03/2019
BSc	(Hons.) Physics (Hons.) Physics (Hons.) Physics	5th	20/12/2018	25/02/2019
BSc	(Hons.) Physics	3rd	19/12/2018	22/02/2019
BSc	(Medical)	5th	21/12/2018	25/02/2019
BSc	(Medical)	3rd	21/12/2018	26/02/2019
BSc	(Medical)	1st	21/12/2018	27/02/2019
BSc	(NonMedical)	5th	21/12/2018	25/02/2019
BSc	(NonMedical)	3rd	21/12/2018	26/02/2019
BSc	(NonMedical)	1st	18/12/2018	01/03/2019
BSc	Agriculture	7th	11/12/2018	23/03/2019
BSc	Agriculture	5th	21/12/2018	11/04/2019
BSc	Agriculture	3rd	21/12/2018	16/04/2019
BSc	Agriculture	1st	21/12/2018	07/05/2019
BTech	Food Tech.	7th	11/12/2018	28/02/2019
BTech	Food Tech.	5th	20/12/2018	07/03/2019
BTech	Food Tech.	3rd	21/12/2018	07/03/2019
BTech	Food Tech.	1st	21/12/2018	28/02/2019



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2.5.2 - Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
0	2422	0

## 2.6 - Student Performance and Learning Outcomes

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

<http://www.eternaluniversity.edu.in/index.php/learning-outcomes/>

2.6.2 - Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
	BA	Humanities	37	33	89.2
	BSc	Psychology	10	10	100
	BSc	(Hons.) Chemistry	3	3	100
	BSc	(Hons.) Mathematics	4	4	100
	BSc	(Hons.) Microbiology	4	4	100
	BSc	(Hons.) Physics	3	2	66.7
	BSc	(Medical)	3	3	100
	BSc	(Non-Medical)	6	3	50
	BSc (Agriculture)		51	51	100
	BTech	Food Tech.	11	11	100
	BA	Music	26	19	73.1

	BSc	(Hons.) Economics	16	12	75
	BCom	(Hons.)	24	23	95.9
	BTech		37	36	97.3

## 2.7 - Student Satisfaction Survey

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

<http://www.eternaluniversity.edu.in/wp-content/uploads/2019/10/SSS-and-Feedback.pdf>

## CRITERION III - RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 - Promotion of Research and Facilities

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

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	Dr. Radheshyam Rai	INSA Visiting Scientist	01/06/2019	INSA Delhi

3.1.2 - Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of the fellowship	Funding Agency
JRFs (Zoology)	3	Department of Science and Technology Govt. of India (DST)

No file uploaded.

### 3.2 - Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Minor Projects	0.5	Unnat Bharat Abhiyan, MHRD, Govt. of India	0.5	0.5
Major Projects	2	DST New Delhi and RFBR Moscow Russia	11.66	0
Major	3	DST, New Delhi	25	0

Projects				
Major Projects	3	Department of BioTechnology, Govt. of India HIMCOSTE	27.3	0
Major Projects	5	Department of Biotechnology, Govt. of India	55.46	8.38
Major Projects	3	Department of Biotechnology, Govt. of India	38.5	12.5
Major Projects	2	SERB Department of Science and Technology, Govt. of India	38.4	19.2
Major Projects	3	Department of Science and Technology (DST) Govt. of India under scheme for young scientist and technologist (Seed Division)	28.79	16
Minor Projects	2	HIMCOSTE, Shimla	5.8	2.9
Minor Projects	2	Department of Environment, Science and Technology, Govt. of Himachal Pradesh	8	4
Minor Projects	2	Department of Environment, Science and Technology, Govt. of Himachal Pradesh	8.2	4.95
Minor Projects	1	Unnat Bharat Abhiyan, MHRD, Govt. of India	1	1

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### 3.3 - Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
National Medicinal Plants Board Meeting at Dharamsala (H.P.)	Regionalcum-Facilitation Center (RCFC) (Northern Circle)	02/05/2019
Intellectual Property Rights: Issues and Challenges	IPR Cell, Eternal University, Baru Sahib in association with HP Patent Information Centre (HPPIC)	28/03/2019
Corporate Social Responsibility	Eternal University	22/09/2018

<b>National Seminar</b>		
<b>Fostering 21st Century Pedagogical skills special education needs</b>	<b>Akal College of Education</b>	<b>01/10/2019</b>
<b>AICTE recognized Short Term Course on VLSI Design</b>	<b>Akal College of Engineering and Technology</b>	<b>24/09/2018</b>
<b>AICTE recognized Short Term Course on 4G and 5G</b>	<b>Akal College of Engineering and Technology</b>	<b>17/09/2018</b>

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

<b>Title of the innovation</b>	<b>Name of Awardee</b>	<b>Awarding Agency</b>	<b>Date of award</b>	<b>Category</b>
<b>Biological control of tomato fruit borer (Helicoverpa armigera Hubner)</b>	<b>Dr. Priyanka Thakur Assistant Professor</b>	<b>Department of Botany, EU</b>	<b>25/05/2019</b>	<b>Best oral Presentation in National conference on New Insights in Biological and Environmental Sciences (NIBES2019)</b>
<b>In vivo mass production and recovery of infective juveniles of the entomopathogenic nematodes associated with fruit orchards of Himachal Pradesh</b>	<b>Dr. Neelam Thakur</b>	<b>Department of Botany, EU</b>	<b>25/05/2019</b>	<b>Best oral Presentation in National conference on New Insights in Biological and Environmental Sciences (NIBES2019)</b>
<b>Development of Medicinal Plants sector in Sirmour District of H.P.</b>	<b>Dr. Vivek Sharma</b>	<b>Regional cum-Facilitation Center (RCFC) (Northern Circle)</b>	<b>02/05/2019</b>	<b>Guest of Honor Award</b>
<b>Fabrication of Low Cost Solar Drying System Using Locally Available Materials for Preserving Agriculture and Horticulture Commodities</b>	<b>Dr. Puneet Negi</b>	<b>Sant Longowal Institute of Engineering and Technology, Longowal</b>	<b>02/03/2019</b>	<b>First prize in oral presentation in A multitrack national conference (SLIETCON-2019)</b>

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

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
0	0	0	0	0	01/08/2018

### 3.4 - Research Publications and Awards

#### 3.4.1 - Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Chemistry	1
Physics	1
Biotechnology	3

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Botany	1	0
National	Mathematics	9	0
National	Zoology	2	0.18
National	Biotechnology Plant Pathology Agronomy Entomology Horticulture	17	1.37
International	Chemistry	6	1.35
International	Physics	4	1.75
International	Microbiology	7	1.26
International	Botany	1	0
International	Mathematics	9	1.5
International	Commerce and Management	6	0
International	Biotechnology Plant Pathology Agronomy Horticulture	24	0
International	Akal College of Education	1	0
International	Akal College of Engineering	1	0

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

Department	Number of Publication
Akal College of Agriculture Books	4
Akal College of Basic Sciences Books	3
Akal College of Education Books	1
Akal College of Arts and Social Studies Books	3
Akal College of Economics, Commerce and Management Books	2
Akal College of Agriculture Book Chapters	22
Akal College of Basic Sciences Book chapters	7
Akal College of Education Book chapters	1
Akal College of Arts and Social Studies Book chapters	2
Akal College of Economics, Commerce and Management Book chapters	5
Biotechnology Conference proceedings	24
Economics Conference proceedings	2
Microbiology Conference proceedings	3
Electronics Telecommunication Engg Conference proceedings	3
Commerce Management Conference proceedings	5

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#### 3.4.4 - Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
nil	Filed	0	30/06/2019

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation

Toxicity, degradation and analysis of the herbicide atrazine	Singh S., Kumar V., Chauhan A., Datta S., Wani A.B., Singh N., Singh J.	Environmental Chemistry Letters	2018	24	Eternal University, Baru Sahib, India173101	20
Pharmacotherapeutic potential of phytochemicals: Implications in cancer chemoprevention and future perspectives	Kaur V., Kumar M., Kumar A., Kaur K., Dhillon V.S., Kaur S	Biomedicine and Pharmacotherapy	2018	10	Eternal University, Baru Sahib, India173101	10
Current and emerging biomarkers in tumors of the central nervous system: Possible diagnostic, prognostic and therapeutic applications	Khan I.N., Ullah N., Hussein D., Saini K.S.	Seminars in Cancer Biology	2018	7	Eternal University, Baru Sahib, India173101	7
Multimodal medical image fusion using nonsubsampling shearlet transform and pulse coupled neural network incorporated with morphological gradient	Ramlal S.D., Sachdeva J., Ahuja C.K., Khandelwal N.	Signal, Image and Video Processing	2018	6	Eternal University, Baru Sahib, India173101	5
Morphostructural and optoelectrical properties of chemically tuned nanostructured TiO <sub>2</sub>	Kaur G., Negi P., Kaur M., Sharma R., Konwar R.J., Mahajan A.	Ceramics International	2018	4	Eternal University, Baru Sahib, India173101	3
Study of structural and magnetoelectric properties of 1x(Ba <sub>0.96</sub> Ca <sub>0.04</sub> TiO <sub>3</sub> )x(ZnFe <sub>2</sub> O <sub>4</sub> ) ceramic composites	Lal M., Shandilya M., Kumar A.S., Rai R., Nair S.S., Palai R.	Journal of Materials Science: Materials in Electronics	2018	5	Eternal University, Baru Sahib, India 173101	3
A study of cryosurgery of lung cancer using Modified Legendre wavelet Galerkin method	Kumar M., Upadhyay S., Rai K.N.	Journal of Thermal Biology	2018	3	Eternal University, Baru Sahib, India173101	2

Verified nonlinear DPL model with experimental data for analyzing heat transfer in tissue during thermal therapy	Kumar D., Singh S., Sharma N., Rai K.N.	International Journal of Thermal Sciences	2018	2	Eternal University, Baru Sahib, India173101	2
Precise transfers of genes for high grain iron and zinc from wheat <i>Aegilops</i> substitution lines into wheat through pollen irradiation	Sharma P., Sheikh I., Kumar S., Verma S.K., Kumar R., Vyas P., Dhaliwal H.S	Molecular Breeding	2018	2	Eternal University, Baru Sahib, India173101	2
Therapeutic role of <i>Ricinus communis</i> L. and its bioactive compounds in disease prevention and treatment	Abdul W., Hajrah N., Sabir J., AlGarni S., Sabir M., Kabli S., Saini K., Bora R.	Asian Pacific Journal of Tropical Medicine	2018	2	Eternal University, Baru Sahib, India 173101	2
Effect of rhizobacteria on arsenic uptake by macrophyte <i>Eichhornia crassipes</i> (Mart.) Solms	Kaur P., Singh S., Kumar V., Singh N., Singh J.	International Journal of Phytoremediation	2018	3	Eternal University, Baru Sahib, India 17310	2
Hematite $\square\square\text{Fe}_2\text{O}_3$ induced magnetic and electrical behavior of $\text{NiFe}_2\text{O}_4$ and $\text{CoFe}_2\text{O}_4$ ferrite nanoparticles	Verma K.C., Goyal N., Singh M., Singh M., Kotnala R.K.	Results in Physics	2019	2	Eternal University, Baru Sahib, India 17310	1
Biodiversity of methylotrophic microbial communities and their potential role in mitigation of abiotic stresses in plants	Kumar M., Kour D., Yadav A.N., Saxena R., Rai P.K., Jyoti A., Tomar R.S.	Biologia	2019	1	Eternal University, Baru Sahib, India 17310	1
Structural, morphological and	Kaur M., Kaur	Vacuum	2018	1	Eternal	1



optical properties of EuN codoped zinc oxide nanoparticles synthesized using coprecipitation technique	P., Kaur G., Dev K., Negi P., Sharma R.				University, Baru Sahib, India 17310	
Study of structural, electrical and magnetic properties of $1x(\text{Ba}_{0.96}\text{Ca}_{0.04}\text{TiO}_3)_x(\text{BiFeO}_3)$ ceramics composites	Lal M., Shandilya M., Rai R., Ranjan A., Sharma S., Valente M.A.	Journal of Materials Science: Materials in Electronics	2018	1	Eternal University, Baru Sahib, India 17310	1
Effect of incorporation of oat flour on nutritional and organoleptic characteristics of bread and noodles	Chauhan D., Kumar K., Kumar S., Kumar H.	Current Research in Nutrition and Food Science	2018	1	Eternal University, Baru Sahib, India 17310	1
Development of intron targeted amplified polymorphic markers of metal homeostasis genes for monitoring their introgression from Aegilops species to wheat	Sheikh I., Sharma P., Verma S.K., Kumar S., Kumar N., Kumar S., Kumar R., Vyas P., Dhaliwal H.S.	Molecular Breeding	2018	2	Eternal University, Baru Sahib, India 17310	1
Nutrigenomics: Advances, opportunities and challenges in understanding the nutrientgene interactions	Vyas P., Singh D., Singh N., Kumar V., Dhaliwal H.S.	Current Nutrition and Food Science	2018	1	Eternal University, Baru Sahib, India 17310	1
Cereal polysaccharides as sources of functional ingredient for reformulation of meat products: A review	Kaur R., Sharma M.	Journal of Functional Foods	2019	0	Eternal University, Baru Sahib, India 17310	0
Enhancement in the photocatalytic activity of $\text{Bi}_2\text{Ti}_2\text{O}_7$ nanopowders synthesised via Pechini vs CoPrecipitation method	Kumar V., Sharma R., Kumar S., Kaur M., Sharma J.D.	Ceramics International	2019	0	Eternal University, Baru Sahib, India 17310	0

Potential and Prospects of Shikonin Production Enhancement in Medicinal Plants	Pal M., Kumar V., Yadav R., Gulati D., Yadav R.C.	Proceedings of the National Academy of Sciences India Section B Biological Sciences	2019	0	Eternal University, Baru Sahib, India 17310	0
Seasonal variations in culturable archaea and their plant growth promoting attributes to predict their role in establishment of vegetation in Rann of Kutch	Yadav A.N., Gulati S., Sharma D., Singh R.N., Rajawat M.V.S., Kumar R., Dey R., Pal K.K., Kaushik R., Saxena A.K.	Biologia	2019	0	Eternal University, Baru Sahib, India 17310	0
A study of heat transfer during cryosurgery of lung cancer	Kumar M., Upadhyay S., Rai K.N.	Journal of Thermal Biology	2019	0	Eternal University, Baru Sahib, India 17310	0
Leveraging the role of the metastatic associated protein Anterior Gradient Homologue 2 in unfolded protein degradation: A novel therapeutic biomarker for cancer	Alsereihi R., Schulten H.J., Bakhshab S., Saini K., AlHejin A.M., Hussein D.	Cancers	2019	0	Eternal University, Baru Sahib, India 17310	0
Pyrazole4carboxylic Acids from Vanadiumcatalyzed Chemical Transformation of Pyrazole4carbaldehydes	Bala R., Kumari P., Sood S., Phougat H., Kumar A., Singh K.	Journal of Heterocyclic Chemistry	2018	0	Eternal University, Baru Sahib, India 17310	0
Genetic diversity and phylogenetic profiling of	Sushma S., Shanmugam V.,	Research Journal of Biotechnology	2019	0	Eternal University,	0

fusarium sp., the causing storage rot of ginger (Zingiber officinale) in himachal pradesh and their potential environmental ecofriendly management strategies	Singh B.G., Neelam T., Sapna T., Priyanka T., Sumitra P., Nath Y.A.				Baru Sahib, India 17310	
Leakage immune single ended 8T sram cell for ultralow power memory design	Pahuja H., Tyagi M., Singh B., Panday S.	Journal of Engineering Science and Technology	2019	0	Eternal University, Baru Sahib, India 17310	0
Comprehensive investigation of structural, dielectric and local piezoelectric properties of KNN ceramics	Kumari P., Lal M., Kumar S., Rai R., Singh A., Karpinsky D.V., Bdkin I.	Journal of Advanced Dielectrics	2019	0	Eternal University, Baru Sahib, India 17310	0
Ultrasonic velocity and critical micellar concentration of glycerol monostearate in mixed organic solvent at 290 K	Sharma K., Negi S., Kishore K.	Journal of Surface Science and Technology	2019	0	Eternal University, Baru Sahib, India 17310	0
Shilajit (mumie): Current status of biochemical, therapeutic and clinical advances	Mishra T., Dhaliwal H.S., Singh K., Singh N.	Current Nutrition and Food Science	2019	0	Eternal University, Baru Sahib, India 17310	0
Regioselective synthesis of potent 4,5,6,7tetrahydroindazole derivatives via microwaveassisted vilsmeierhaack reaction and their antioxidant activity evaluation	Bala R., Devi V., Singh P., Kaur N., Kaur P., Kumar A., Yadav A.N., Singh K	Letters in Organic Chemistry	2019	0	Eternal University, Baru Sahib, India 17310	0
Microwave assisted vilsmeierhaack reaction on substituted cyclohexanone hydrazones: Synthesis of novel	Kaur A.K., Bala R., Kumari P., Sood S., Singh K.	Letters in Organic Chemistry	2019	0	Eternal University, Baru Sahib, India 17310	0

4,5,6,7tetrahydroindazole derivatives						
4Formylpyrazoles: Applications in organic synthesis	Bala R., Kumari P., Sood S., Singh K.	MiniReviews in Organic Chemistry	2019	0	Eternal University, Baru Sahib, India 17310	0
Miniaturization and gain enhancement of microstrip patch antenna using defected ground with EBG	Singh D., Thakur A., Srivastava V.M.	Journal of Communications	2018	0	Eternal University, Baru Sahib, India 17310	0
Phthaloyl Dichlorideâ€œDMF Mediated Synthesis of Benzothiazolebased 4Formylpyrazole Derivatives: Studies on Their Antimicrobial and Antioxidant Activities	Bala R., Kumari P., Sood S., Kumar V., Singh N., Singh K.	Journal of Heterocyclic Chemistry	2018	2	Eternal University, Baru Sahib, India 17310	0
Enhanced electrical and magnetic properties in BZT/NFO multiferroic composites derived by MARH	Singh A., Shamim K., Sharma S., Rai R., Kumari P.	Journal of Materials Science: Materials in Electronics	2018	0	Eternal University, Baru Sahib, India 17310	0
Effect of Pr <sub>3</sub> substitution on structural, dielectric, electrical and magnetic properties of BiFe <sub>0.80</sub> Ti <sub>0.20</sub> O <sub>3</sub> [Bi <sub>1-x</sub> Pr <sub>x</sub> Fe <sub>0.80</sub> Ti <sub>0.20</sub> O <sub>3</sub> , x 0.05, 0.10, 0.15] ceramics	Chandra Sati P., Sahni M., Kumar M., Arora M., Negi P., tomar M., Gupta V., Kumar N.	Integrated Ferroelectrics	2018	0	Eternal University, Baru Sahib, India 17310	0
Elicitation of Phenylpropanoids and Expression Analysis of PAL Gene in Suspension Cell Culture of Ocimum tenuiflorum L.	Vyas P., Mukhopadhyay K.	Proceedings of the National Academy of Sciences India Section B Biological Sciences	2018	1	Eternal University, Baru Sahib, India 17310	0

A rapid UPLC method for simultaneous separation and detection of anthocyanidins from Ocimum, Hibiscus and Syzygium species and estimation of their antioxidant activity	Sarkar B., Vyas P., Haque I., Mukhopadhyay K.	Journal of Liquid Chromatography and Related Technologies	2018	0	Eternal University, Baru Sahib, India 17310	0
Antibacterial activity of Ricinus communis L. against bacterial pathogens Escherichia coli and Klebsiella oxytoca as evaluated by Transmission electron microscopy	Hajrah N., Abdul W.M., Sabir J., AlGarni S.M.S., Sabir M., Elhamidy S.M.A., Saini K.S., Bora R.S.	Biotechnology and Biotechnological Equipment	2018	0	Eternal University, Baru Sahib, India 17310	0
Effect of different microwave power applied during microwave assisted radiant heating on the structure, dielectric and electrical properties of Ba <sub>0.8</sub> Ca <sub>0.2</sub> Ti <sub>3</sub> ceramics	Singh A., Shamim M.K., Sharma S., Rai R.	Journal of Materials Science: Materials in Electronics	2018	2	Eternal University, Baru Sahib, India 17310	0
Identification, expression analysis, and molecular modeling of Irondeficiencyspecific clone 3 (Ids3)like gene in hexaploid wheat	Mathpal P., Kumar U., Kumar A., Kumar S., Malik S., Kumar N., Dhaliwal H.S., Kumar S.	3 Biotech	2018	2	Eternal University, Baru Sahib, India 17310	0
Evaluation of end use quality and root traits in wheat cultivars associated with 1RS.1BL translocation	Sharma A., Sheikh I., Kumar R., Kumar K., Vyas	Euphytica	2018	0	Eternal University, Baru Sahib, India 17310	0

	P., Dhaliwal H.S.					
Efficiency and Its Determinants: Panel Data Evidence from the Indian Pharmaceutical Industry	Mahajan V., Nauriyal D.K., Singh S.P.	Margin	2018	0	Eternal University, Baru Sahib, India 17310	0
Morphomeiotic study in Mentha longifolia from cold desert regions of LahaulSpiti and adjoining areas of Himachal Pradesh (India)	Srivastava D.K., Saggoo M.I.S.	Acta Biologica Szegediensis	2018	0	Eternal University, Baru Sahib, India 17310	0
Schmidt reaction on substituted lindanones / Nalkylation: Synthesis of benzofused sixmembered ring lactams and their evaluation as antimicrobial agents	Arora R., Bala R., Kumari P., Sood S., Yadav A.N., Singh N., Singh K	Letters in Organic Chemistry	2018	0	Eternal University, Baru Sahib, India 17310	0
Impact of elevated temperature and carbon dioxide on insect performance indices of Spodoptera litura Fabricius	Sharma S., Kooner R., Sandhu S.S., Arora R.	Journal of Entomological Research	2018	0	Eternal University, Baru Sahib, India 17310	0
Synthesis of some bicyclic lactams via beckmann rearrangement and their antimicrobial evaluation	Arora R., Bala R., Kumari P., Sood S., Kumar V., Singh N., Singh K.	Current Bioactive Compounds	2018	0	Eternal University, Baru Sahib, India 17310	0
Mechanistic understanding of lodging in spring wheat (Triticum aestivum): An Indian perspective	Bainsla N.K., Yadav R., Sharma R.K., Sharma A., Gaikwad K.B., Kumar A., Singh V., Vyas P., Sharma A.	Indian Journal of Agricultural Sciences	2018	0	Eternal University, Baru Sahib, India 17310	0
Iodine mediated synthesis of	Sood S., Bala	Current	2018	1	Eternal	0

thiabendazole derivatives and their antimicrobial evaluation	R., Kumar V., Singh N., Singh K.	Bioactive Compounds			University, Baru Sahib, India 17310	
Investigating oxidation of formaldehyde over Co <sub>3</sub> O <sub>4</sub> nanocatalysts at moderate temperature	Singh M., Kishore K.	Oriental Journal of Chemistry	2018	0	Eternal University, Baru Sahib, India 17310	0
Low temperature synthesis of elongated triangular bipyramidal ZnO nanostructures for photocatalytic activity	Singh G., Panday S., Rawat M., Kukkar D., Kumar S., Basu S.	Journal of Nano Research	2018	0	Eternal University, Baru Sahib, India 17310	0
A novel singleended 9T FinFET subthreshold SRAM cell with high operating margins and low write power for low voltage operations	Pahuja H., Tyagi M., Panday S., Singh B.	Integration, the VLSI Journal	2018	1	Eternal University, Baru Sahib, India 17310	0

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Toxicity, degradation and analysis of the herbicide atrazine	Singh S., Kumar V., Chauhan A., Datta S., Wani A.B., Singh N., Singh J.	Environmental Chemistry Letters	2018	4	20	Eternal University, Baru Sahib, India173101
Pharmacotherapeutic potential of phytochemicals: Implications in	Kaur V., Kumar M., Kumar A.,	Biomedicine and Pharmacotherapy	2018	4	10	Eternal University,

cancer chemoprevention and future perspectives	Kaur K., Dhillon V.S., Kaur S.					Baru Sahib, India173101
Current and emerging biomarkers in tumors of the central nervous system: Possible diagnostic, prognostic and therapeutic applications	Khan I.N., Ullah N., Hussein D., Saini K.S.	Seminars in Cancer Biology	2018	4	7	Eternal University, Baru Sahib, India173101
Multimodal medical image fusion using nonsubsampled shearlet transform and pulse coupled neural network incorporated with morphological gradient	Ramlal S.D., Sachdeva J., Ahuja C.K., Khandelwal N.	Signal, Image and Video Processing	2018	4	5	Eternal University, Baru Sahib, India173101
Morphostructural and optoelectrical properties of chemically tuned nanostructured TiO <sub>2</sub>	Kaur G., Negi P., Kaur M., Sharma R., Konwar R.J., Mahajan A.	Ceramics International	2018	4	3	Eternal University, Baru Sahib, India173101
Study of structural and magnetoelectric properties of 1x(Ba <sub>0.96</sub> Ca <sub>0.04</sub> TiO <sub>3</sub> )x(ZnFe <sub>2</sub> O <sub>4</sub> ) ceramic composites	Lal M., Shandilya M., Kumar A.S., Rai R., Nair S.S., Palai R.	Journal of Materials Science: Materials in Electronics	2018	4	3	Eternal University, Baru Sahib, India173101
A study of cryosurgery of lung cancer using Modified Legendre wavelet Galerkin method	Kumar M., Upadhyay S., Rai K.N.	Journal of Thermal Biology	2018	4	2	Eternal University, Baru Sahib, India173101
Verified nonlinear DPL model with experimental data for analyzing heat transfer in tissue during thermal therapy	Kumar D., Singh S., Sharma N., Rai K.N.	International Journal of Thermal Sciences	2018	4	2	Eternal University, Baru Sahib, India173101
Precise transfers of genes for high grain iron and zinc from wheatAegilops substitution lines	Sharma P., Sheikh I., Kumar S., Verma S.K., Kumar R.,	Molecular Breeding	2018	4	2	Eternal University, Baru Sahib, India173101



into wheat through pollen irradiation	Vyas P., Dhaliwal H.S.					
Therapeutic role of Ricinus communis L. and its bioactive compounds in disease prevention and treatment	Abdul W., Hajrah N., Sabir J., AlGarni S., Sabir M., Kabli S., Saini K., Bora R.	Asian Pacific Journal of Tropical Medicine	2018	4	2	Eternal University, Baru Sahib, India173101
Effect of rhizobacteria on arsenic uptake by macrophyte Eichhornia crassipes (Mart.) Solms	Kaur P., Singh S., Kumar V., Singh N., Singh J.	International Journal of Phytoremediation	2018	4	2	Eternal University, Baru Sahib, India173101
Hematite $\square\square\text{Fe}_2\text{O}_3$ induced magnetic and electrical behavior of $\text{NiFe}_2\text{O}_4$ and $\text{CoFe}_2\text{O}_4$ ferrite nanoparticles	Verma K.C., Goyal N., Singh M., Singh M., Kotnala R.K.	Results in Physics	2019	4	1	Eternal University, Baru Sahib, India173101
Biodiversity of methylotrophic microbial communities and their potential role in mitigation of abiotic stresses in plants	Kumar M., Kour D., Yadav A.N., Saxena R., Rai P.K., Jyoti A., Tomar R.S.	Biologia	2019	4	1	Eternal University, Baru Sahib, India173101
Structural, morphological and optical properties of EuN codoped zinc oxide nanoparticles synthesized using coprecipitation technique	Kaur M., Kaur P., Kaur G., Dev K., Negi P., Sharma R.	Vacuum	2018	4	1	Eternal University, Baru Sahib, India173101
Study of structural, electrical and magnetic properties of $1x(\text{Ba}_{0.96}\text{Ca}_{0.04}\text{TiO}_3)_x(\text{BiFeO}_3)$ ceramics composites	Lal M., Shandilya M., Rai R., Ranjan A., Sharma S., Valente M.A.	Journal of Materials Science: Materials in Electronics	2018	4	1	Eternal University, Baru Sahib, India173101
Effect of incorporation of oat flour on nutritional and	Chauhan D., Kumar K., Kumar S., Kumar H.	Current Research in Nutrition and Food Science	2018	4	1	Eternal University,

organoleptic characteristics of bread and noodles						Baru Sahib, India173101
Development of intron targeted amplified polymorphic markers of metal homeostasis genes for monitoring their introgression from Aegilops species to wheat	Sheikh I., Sharma P., Verma S.K., Kumar S., Kumar N., Kumar S., Kumar R., Vyas P., Dhaliwal H.S.	Molecular Breeding	2018	4	1	Eternal University, Baru Sahib, India173101
Nutrigenomics: Advances, opportunities and challenges in understanding the nutrientgene interactions	Vyas P., Singh D., Singh N., Kumar V., Dhaliwal H.S	Current Nutrition and Food Science	2018	4	1	Eternal University, Baru Sahib, India173101
Cereal polysaccharides as sources of functional ingredient for reformulation of meat products: A review	Kaur R., Sharma M.	Journal of Functional Foods	2019	4	0	Eternal University, Baru Sahib, India173101
Enhancement in the photocatalytic activity of Bi <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> nanopowders synthesised via Pechini vs CoPrecipitation method	Kumar V., Sharma R., Kumar S., Kaur M., Sharma J.D.	Ceramics International	2019	4	0	Eternal University, Baru Sahib, India173101
Potential and Prospects of Shikonin Production Enhancement in Medicinal Plants	Pal M., Kumar V., Yadav R., Gulati D., Yadav R.C.	Proceedings of the National Academy of Sciences India Section B Biological Sciences	2019	4	0	Eternal University, Baru Sahib, India173101
Seasonal variations in culturable archaea and their plant growth promoting attributes to predict their role in establishment of vegetation in Rann of Kutch	Yadav A.N., Gulati S., Sharma D., Singh R.N., Rajawat M.V.S., Kumar R., Dey	Biologia	2019	4	0	Eternal University, Baru Sahib, India173101

	R., Pal K.K., Kaushik R., Saxena A.K.					
A study of heat transfer during cryosurgery of lung cancer	Kumar M., Upadhyay S., Rai K.N.	Journal of Thermal Biology	2019	4	0	Eternal University, Baru Sahib, India173101
Leveraging the role of the metastatic associated protein Anterior Gradient Homologue 2 in unfolded protein degradation: A novel therapeutic biomarker for cancer	Alsereihi R., Schulten H.J., Bakhashab S., Saini K., AlHejin A.M., Hussein D.	Cancers	2019	4	0	Eternal University, Baru Sahib, India173101
Pyrazole4carboxylic Acids from Vanadiumcatalyzed Chemical Transformation of Pyrazole4carbaldehydes	Bala R., Kumari P., Sood S., Phougat H., Kumar A., Singh K.	Journal of Heterocyclic Chemistry	2019	4	0	Eternal University, Baru Sahib, India173101
Genetic diversity and phylogenetic profiling of fusarium sp., the causing storage rot of ginger (Zingiber officinale) in himachal pradesh and their potential environmental ecofriendly management strategies	Sushma S., Shanmugam V., Singh B.G., Neelam T., Sapna T., Priyanka T., Sumitra P., Nath Y.A.	Research Journal of Biotechnology	2019	4	0	Eternal University, Baru Sahib, India173101
Leakage immune single ended 8T sram cell for ultralow power memory design	Pahuja H., Tyagi M., Singh B., Panday S.	Journal of Engineering Science and Technology	2019	4	0	Eternal University, Baru Sahib, India173101
Comprehensive investigation of structural, dielectric and local piezoelectric properties of KNN ceramics	Kumari P., Lal M., Kumar S., Rai R., Singh A., Karpinsky D.V., Bdikin I.	Journal of Advanced Dielectrics	2019	4	0	Eternal University, Baru Sahib, India173101

Ultrasonic velocity and critical micellar concentration of glycerol monostearate in mixed organic solvent at 290 K	Sharma K., Negi S., Kishore K.	Journal of Surface Science and Technology	2019	4	0	Eternal University, Baru Sahib, India173101
Shilajit (mumie): Current status of biochemical, therapeutic and clinical advances	Mishra T., Dhaliwal H.S., Singh K., Singh N.	Current Nutrition and Food Science	2019	4	0	Eternal University, Baru Sahib, India173101
Regioselective synthesis of potent 4,5,6,7tetrahydroindazole derivatives via microwaveassisted vilsmeierhaack reaction and their antioxidant activity evaluation	Bala R., Devi V., Singh P., Kaur N., Kaur P., Kumar A., Yadav A.N., Singh K.	Letters in Organic Chemistry	2019	4	0	Eternal University, Baru Sahib, India173101
Microwave assisted vilsmeierhaack reaction on substituted cyclohexanone hydrazones: Synthesis of novel 4,5,6,7tetrahydroindazole derivatives	Kaur A.K., Bala R., Kumari P., Sood S., Singh K.	Letters in Organic Chemistry	2019	4	0	Eternal University, Baru Sahib, India173101
4Formylpyrazoles: Applications in organic synthesis	Bala R., Kumari P., Sood S., Singh K.	MiniReviews in Organic Chemistry	2019	4	0	Eternal University, Baru Sahib, India173101
Miniaturization and gain enhancement of microstrip patch antenna using defected ground with EBG	Singh D., Thakur A., Srivastava V.M.	Journal of Communications	2018	4	0	Eternal University, Baru Sahib, India173101
Phthaloyl Dichlorideâ€œDMF Mediated Synthesis of Benzothiazolebased 4Formylpyrazole Derivatives: Studies on Their Antimicrobial and Antioxidant Activities	Bala R., Kumari P., Sood S., Kumar V., Singh N., Singh K.	Journal of Heterocyclic Chemistry	2018	4	0	Eternal University, Baru Sahib, India173101
Miniaturization and gain	Singh D.,	Journal of	2018	4	0	Eternal

enhancement of microstrip patch antenna using defected ground with EBG	Thakur A., Srivastava V.M.	Communications				University, Baru Sahib, India173101
Phthaloyl Dichlorideâ€"DMF Mediated Synthesis of Benzothiazolebased 4Formylpyrazole Derivatives: Studies on Their Antimicrobial and Antioxidant Activities	Bala R., Kumari P., Sood S., Kumar V., Singh N., Singh K.	Journal of Heterocyclic Chemistry	2018	4	0	Eternal University, Baru Sahib, India173101
Enhanced electrical and magnetic properties in BZT/NFO multiferroic composites derived by MARH	Singh A., Shamim K., Sharma S., Rai R., Kumari P.	Journal of Materials Science: Materials in Electronics	2018	4	0	Eternal University, Baru Sahib, India173101
Effect of Pr <sub>3</sub> substitution on structural, dielectric, electrical and magnetic properties of BiFe <sub>0.80</sub> Ti <sub>0.20</sub> O <sub>3</sub> [Bi <sub>x</sub> Pr <sub>x</sub> Fe <sub>0.80</sub> Ti <sub>0.20</sub> O <sub>3</sub> , x 0.05, 0.10, 0.15] ceramics	Chandra Sati P., Sahni M., Kumar M., Arora M., Negi P., tomar M., Gupta V., Kumar N.	Integrated Ferroelectrics	2018	4	0	Eternal University, Baru Sahib, India173101
Elicitation of Phenylpropanoids and Expression Analysis of PAL Gene in Suspension Cell Culture of Ocimum tenuiflorum L.	Vyas P., Mukhopadhyay K.	Proceedings of the National Academy of Sciences India Section B Biological Sciences	2018	4	0	Eternal University, Baru Sahib, India173101
A rapid UPLC method for simultaneous separation and detection of anthocyanidins from Ocimum, Hibiscus and Syzygium species and estimation of their antioxidant activity	Sarkar B., Vyas P., Haque I., Mukhopadhyay K.	Journal of Liquid Chromatography and Related Technologies	2018	4	0	Eternal University, Baru Sahib, India173101
Antibacterial activity of Ricinus communis L. against bacterial	Hajrah N., Abdul W.M.,	Biotechnology and	2018	4	0	Eternal University,

pathogens <i>Escherichia coli</i> and <i>Klebsiella oxytoca</i> as evaluated by Transmission electron microscopy	Sabir J., AlGarni S.M.S., Sabir M., Elhamidy S.M.A., Saini K.S., Bora R.S.	Biotechnological Equipment				Baru Sahib, India173101
Effect of different microwave power applied during microwave assisted radiant heating on the structure, dielectric and electrical properties of Ba <sub>0.8</sub> Ca <sub>0.2</sub> TiO <sub>3</sub> ceramics	Singh A., Shamim M.K., Sharma S., Rai R.	Journal of Materials Science: Materials in Electronics	2018	4	0	Eternal University, Baru Sahib, India173101
Identification, expression analysis, and molecular modeling of Irondeficiencyspecific clone 3 (Ids3)like gene in hexaploid wheat	Mathpal P., Kumar U., Kumar A., Kumar S., Malik S., Kumar N., Dhaliwal H.S., Kumar S.	3 Biotech	2018	4	0	Eternal University, Baru Sahib, India173101
Evaluation of end use quality and root traits in wheat cultivars associated with 1RS.1BL translocation	Sharma A., Sheikh I., Kumar R., Kumar K., Vyas P., Dhaliwal H.S.	Euphytica	2018	4	0	Eternal University, Baru Sahib, India173101
Efficiency and Its Determinants: Panel Data Evidence from the Indian Pharmaceutical Industry	Mahajan V., Nauriyal D.K., Singh S.P.	Margin	2018	4	0	Eternal University, Baru Sahib, India173101
Morphomeiotic study in <i>Mentha longifolia</i> from cold desert regions of LahaulSpiti and adjoining areas of Himachal Pradesh (India)	Srivastava D.K., Saggio M.I.S.	Acta Biologica Szegediensis	2018	4	0	Eternal University, Baru Sahib, India173101
Schmidt reaction on substituted lindanones / Nalkylation: Synthesis of benzofused	Arora R., Bala R., Kumari P., Sood S., Yadav	Letters in Organic Chemistry	2018	4	0	Eternal University,

sixmembered ring lactams and their evaluation as antimicrobial agents	A.N., Singh N., Singh K.					Baru Sahib, India173101
Impact of elevated temperature and carbon dioxide on insect performance indices of Spodoptera litura Fabricius	Sharma S., Kooner R., Sandhu S.S., Arora R	Journal of Entomological Research	2018	4	0	Eternal University, Baru Sahib, India173101
Synthesis of some bicyclic lactams via beckmann rearrangement and their antimicrobial evaluation	Arora R., Bala R., Kumari P., Sood S., Kumar V., Singh N., Singh K.	Current Bioactive Compounds	2018	4	0	Eternal University, Baru Sahib, India173101
Mechanistic understanding of lodging in spring wheat (Triticum aestivum): An Indian perspective	Bainsla N.K., Yadav R., Sharma R.K., Sharma A., Gaikwad K.B., Kumar A., Singh V., Vyas P., Sharma A.	Indian Journal of Agricultural Sciences	2018	4	0	Eternal University, Baru Sahib, India173101
Iodine mediated synthesis of thiabendazole derivatives and their antimicrobial evaluation	Sood S., Bala R., Kumar V., Singh N., Singh K.	Current Bioactive Compounds	2018	4	0	Eternal University, Baru Sahib, India173101
Investigating oxidation of formaldehyde over Co3O4 nanocatalysts at moderate temperature	Singh M., Kishore K.	Oriental Journal of Chemistry	2018	4	0	Eternal University, Baru Sahib, India173101
Low temperature synthesis of elongated triangular bipyramidal ZnO nanostructures for photocatalytic activity	Singh G., Panday S., Rawat M., Kukkar D., Kumar S., Basu S.	Journal of Nano Research	2018	4	0	Eternal University, Baru Sahib, India173101
A novel singleended 9T FinFET	Pahuja H.,	Integration, the	2018	4	0	Eternal

subthreshold SRAM cell with high operating margins and low write power for low voltage operations	Tyagi M., Panday S., Singh B.	VLSI Journal				University, Baru Sahib, India173101
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### 3.4.7 - Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	29	60	6	4
Presented papers	16	21	1	0
Resource persons	1	0	1	0

### 3.5 - Consultancy

#### 3.5.1 - Revenue generated from Consultancy during the year

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

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#### 3.5.2 - Revenue generated from Corporate Training by the institution during the year

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

### 3.6 - Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Inservice Education Programme for ASHA workers	Community Health Center, Sangrah, HP	1	7



Health Assessment Screening Programme for Antenatal Postnatal Mothers	Community Health Center, Sangrah, HP	1	7
Assessment of Occupational Health Problems of workers	Labour department, Kalghidhar Trust, Baru Sahib	1	5
Screening programme for women of reproductive age group	Government Primary School, Nanu	4	63
Multispeciality camp 30th November, 1st December, 2018	Akal Charitable Hospital, Baru Sahib	14	180
Multispeciality camp 30th September 1st, October, 2018	Akal Charitable Hospital, Baru Sahib	21	180
Multispeciality Camp, 19th 20th April, 2019	Akal Charitable Hospital, Baru Sahib	9	180
Multispeciality Camp, 29th 30th June, 2019	Akal Charitable Hospital, Baru Sahib	13	33
Medicinal Plants Cultivation and Processing	Eternal University Baru Sahib, Gram Panchayat Lana Bhalta and RCFC Northern Circle (H.P.)	2	5
Kisan Mela	Eternal University, Baru Sahib	50	270
Republic Day Celebration	NCC/NSS	100	500
Mother Language Day	College of Social Sciences	50	200
International Womens Day	NSS	100	200
International Labour Day	NSS NCC	30	200
NSS Camp	NSS	15	100
World Environment Day	NSS NCC	20	200
International Yoga Day	NSS NCC	150	500
NCC Camp 1	1 Girls BN Solan	25	500
NCC Camp 2	1 Girls BN Solan	25	500
Independence Day	NSS NCC	105	550
Nursing Day	Nursing College	25	300

International Breast Feeding Da	Nursing College	20	200
Health Awareness day	NSS	30	200
Teachers day	NSS	125	200
Republic Day Celebration	NCC/NSS	100	500

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

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Self awareness through Breath walk Training Program Level1	Trainer	Kalgidhar Trust Baru Sahib and My HealthMy Choice Holistic Services Canada	100
SPEAK Indias health literacy competitions festival	Merit Certificate	Speak India Lion Club, Chandigarh	10
Medicinal Plants Cultivation and Processing at Sirmour District of Himachal Pradesh	Guest of Honor Award	Regional cum-Facilitation Center (RCFC) (Northern Circle), (H.P.) National Medicinal Plants Board Delhi.	300

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
HIV/AIDS awareness Campaign	Akal Charitable Hospital, Baru Sahib	Mass Rally, Educational Programme and Street paly.	4	126
Drug Abuse and Illicit Trafficking	Akal Charitable Hospital, Baru Sahib	Rally, Seminar	4	100
Advanced	Akal Academy, Baru	Advanced Professional	2	25

Professional Development Workshop	Sahib	Development Workshop		
Swachhata Pakhwara	Government Organizations	Audit of rain water harvesting	4	0

### 3.7 - Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Leadership in the Multi cultural Context, Global Classroom, 15th 16th October, 2018	240	The Kalgidhar Trust Drexel University	2
Simulation, Global Classroom, 15th 16th October, 2018	153	The Kalgidhar Trust Drexel University	2
Global Classroom	27	The Kalgidhar Trust Drexel University	30
International Nursing Conference on "Global Perspective of Better Mental Health"	550	The Kalgidhar Trust Drexel University	2
Community Survey	25	The Kalgidhar Trust Drexel University	5
Simulation	23	The Kalgidhar Trust Drexel University	1
Trends in Nursing care	23	The Kalgidhar Trust Drexel University	1
Research and Development	Two Institutes (IHBT Palampur & EU-Dept. of Botany)	Self funding	120
Research	Dr. Radheshyam Rai	DST RFBR	730
Research	Dr. Radheshyam Rai	INSA	60
Research	Dr. Radheshyam Rai	IASc INSA NASI	90
Review Meeting at NABI Mohali	Dr. H.S. Dhaliwal; Dr. Imran Sheikh	DBT Project grant	02

International Educational Workshop on Special Educational Needs		B.Ed. Trainees	The Kalgidhar Trust, Baru Sahib		4
3.7.2 - Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year					
Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Global Classroom Project	Institutional	Drexel University, Philedelphia, USA	01/06/2018	30/06/2019	23
Internship	Application of Tally ERP 9 and GST with special reference to Think next Technology Pvt. Ltd. (Mohali)	Think next Technology Pvt. Ltd. (Mohali)	01/01/2019	15/02/2019	1
Internship	Gold Loan schemes offered by Muthoot Finance (Puranpur, Uttarakhand)	Muthoot Finance (Puranpur, Uttarakhand)	01/01/2019	15/02/2019	2
Internship	Strategies of Human Resource Management in Action Shoe Company (New Delhi)	Action Shoe Company (New Delhi)	01/01/2019	15/02/2019	1
Internship	Process of Income Tax Return in YP Singh and Company (Patiala, Punjab)	YP Singh and Company (Patiala, Punjab)	01/01/2019	15/02/2019	1
Internship	Instigation of Employee Provident Fund and Employee State Insurance in Tirupati Medicare Pvt. Ltd. (Paonta Sahib)	Tirupati Medicare Pvt. Ltd. (Paonta Sahib)	01/01/2019	15/02/2019	1
Internship	Strategies of Axis Bank in terms of finance and marketing (Paonta Sahib)	Axis Bank in terms of finance and marketing (Paonta Sahib)	01/01/2019	15/02/2019	1
Internship	Application of GST and Income Tax GST with special reference	Gupta Danesh And Associations (Faridkot,	01/01/2019	15/02/2019	1

	to Gupta Danesh And Associations (Faridkot, Punjab)	Punjab)			
Internship	Process of Advertising and Logo Designing GST with special reference to Newsghat (Paonta Sahib)	Newsghat (Paonta Sahib)	01/01/2019	15/02/2019	1
Internship	Application of PAN, TDS TAN No. in Taxation System GST with special reference to YP Singh And Company (Patiala, Punjab)	YP Singh And Company (Patiala, Punjab)	01/01/2019	15/02/2019	1
Internship	Role of finance and marketing GST with special reference to Bhaghat Cooperative Bank (Solan, HP)	Bhaghat Cooperative Bank (Solan, HP)	01/01/2019	15/02/2019	1
Internship	Role of HDFC bank in banking sector (Jaspur, Uttarakhand)	HDFC bank in banking sector (Jaspur, Uttarakhand)	01/01/2019	15/02/2019	1
Internship	Process of Recruitment in Webastral Company (Mohali)	Webastral Company (Mohali)	01/01/2019	15/02/2019	1
Internship	Role of finance and marketing in Bhaghat Cooperative Bank (Solan, H.P.)	Bhaghat Cooperative Bank (Solan, H.P.)	01/01/2019	15/02/2019	1
Internship	Layouts of Human Resource Management and GST in Corona Pvt. Ltd. (Solan, HP)	Corona Pvt. Ltd. (Solan, HP)	01/01/2019	15/02/2019	1
Internship	Process of Foreign and Domestic Accounting with special reference to Mrs. Bectors Cremica (Phillar, Punjab)	Mrs. Bectors Cremica (Phillar, Punjab)	01/01/2019	15/02/2019	1
Internship	Role of Training and Development with special reference to Webastral Company (Mohali)	Webastral Company (Mohali)	01/01/2019	15/02/2019	1

Internship	Strategies of Human Resource Development and Provident Fund in Corona Pvt. Ltd. (Solan, HP)	Corona Pvt. Ltd. (Solan, HP)	01/01/2019	15/02/2019	1
Internship	Application of busy accounting software in GST with special reference to United Tradex (Delhi)	United Tradex (Delhi)	01/01/2019	15/02/2019	1
Internship	Human Resource transformation initiatives in the Tribune (Chandigarh)	Tribune (Chandigarh)	01/01/2019	15/02/2019	1
Internship	Duties of Human Resource Management in Sirmaur Medicare Pvt. Ltd. (Paonta Sahib)	Sirmaur Medicare Pvt. Ltd. (Paonta Sahib)	01/01/2019	15/02/2019	1
Internship	Accounting procedure with special reference to Kalgidhar Trust, Baru Sahib HP	Kalgidhar Trust, Baru Sahib HP	01/01/2019	15/02/2019	1
Internship	Human Resource transformation initiatives in the Tribune (Chandigarh)	Tribune (Chandigarh)	01/01/2019	15/02/2019	1
Internship	Importance of inventory management and pricing strategies in HIMCU Pvt. Ltd. (Rajgarh)	HIMCU Pvt. Ltd. (Rajgarh)	01/01/2019	15/02/2019	1
Project work	Diversity of Fishes in Giri river Of H.P. (Species identification)	Dr. Indu Sharma, Scientist D, Zoological Survey of India (ZSI), Jodhpur, Rajasthan 9418154517	01/08/2018	30/06/2019	1
Research	Development of Solar Cell	NPL, New delhi	01/01/2019	30/06/2019	1
Research Development	Work on medicinal Aromatic Plants	NPP Division, IHBT (CSIR) Palampur (H.P.) Dept. of Botany, Eternal University Baru Sahib.	01/08/2018	30/06/2019	2

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
SGGSWU Fatehgarh Sahib (Pb.)	15/03/2019	Research Development	2
Regional cum-Facilitation Center (RCFC) (Northern Circle), (H.P.) National Medicinal Plants Board Delhi.	02/05/2019	Research Development	2
Sri Guru Granth Sahib University Fatehgarh Sahib	16/03/2019	Research Development	2
Global Group of Institutes Amritsar	19/04/2019	Research Development	2

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#### CRITERION IV - INFRASTRUCTURE AND LEARNING RESOURCES

##### 4.1 - Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
35	22.53

4.1.2 - Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing

Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Others	Newly Added

#### 4.2 - Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
SARAL ERP	Partially	SARAL ERP	2018

##### 4.2.2 - Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	44753	13249748	627	548785	45380	13798533
Reference Books	4097	1050263	173	118722	4270	1168985
e-Books	43	0	4	0	47	0
Journals	59	211946	7	12450	66	224396
e-Journals	49000	135200	31000	72500	80000	207700
CD & Video	250	5500	90	2150	340	7650

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##### 4.2.3 - E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr. Joseph Jeganathan	Function of Administration	www.akallearning.in	30/10/2018



Dr. Joseph Jeganathan	Decision Making Decentralization	www.akallearning.in	17/01/2019
Dr. Joseph Jeganathan	Coordination Delegation	www.akallearning.in	13/11/2018
Dr. Joseph Jeganathan	Introduction to organization	www.akallearning.in	26/06/2019
Dr. Joseph Jeganathan	Roles Functions of Directing	www.akallearning.in	03/06/2019
Dr. Joseph Jeganathan	Motivation in directing	www.akallearning.in	03/06/2019
Dr. Joseph Jeganathan	Communication in directing	www.akallearning.in	04/06/2019
Dr. Joseph Jeganathan	Public relation	www.akallearning.in	05/06/2019
Dr. Joseph Jeganathan	Delegation	www.akallearning.in	06/06/2019
Dr. Joseph Jeganathan	Managing Conflict	www.akallearning.in	07/06/2019
Dr. Joseph Jeganathan	Negotiation Collective Bargaining	www.akallearning.in	11/06/2019
Dr. Joseph Jeganathan	Occupational Health Hazards	www.akallearning.in	13/06/2019
Dr. Joseph Jeganathan	Occupational Health Safety	www.akallearning.in	13/06/2019
Dr. Joseph Jeganathan	Introduction to Fiscal Planning	www.akallearning.in	15/06/2019
Dr. Joseph Jeganathan	Budget	www.akallearning.in	18/06/2019
Dr. Joseph Jeganathan	Budget Estimate Audit	www.akallearning.in	18/06/2019
Dr. Joseph	Cost Effectiveness	www.akallearning.in	19/06/2019

<b>Jeganathan</b>			
<b>Dr. Joseph Jeganathan</b>	<b>Cost Accounting</b>	<b>www.akallearning.in</b>	<b>21/06/2019</b>
<b>Mrs. Rose Mary</b>	<b>Gene Therapy</b>	<b>www.akallearning.in</b>	<b>24/09/2018</b>
<b>Ms. Simarjeet Kaur</b>	<b>Overview of Epidemiology</b>	<b>www.akallearning.in</b>	<b>24/07/2018</b>
<b>Dr. Lekha V</b>	<b>Descriptive Statistics</b>	<b>www.akallearning.in</b>	<b>24/09/2018</b>
<b>Mrs. Jaswinder Kaur</b>	<b>Introduction to planning Principles of planning</b>	<b>www.akallearning.in</b>	<b>26/06/2019</b>
<b>Mrs. Anna Bajaj</b>	<b>Supervision</b>	<b>www.akallearning.in</b>	<b>26/06/2019</b>

### 4.3 - IT Infrastructure

#### 4.3.1 - Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others
<b>Existing</b>	<b>320</b>	<b>10</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>35</b>	<b>0</b>
<b>Added</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>
<b>Total</b>	<b>330</b>	<b>10</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>3</b>	<b>35</b>	<b>0</b>

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

**35 MBPS/ GBPS**

#### 4.3.3 - Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
<b>ICTLAB</b>	<b><a href="https://www.youtube.com/watch?v=TqXs6Kyu13U">https://www.youtube.com/watch?v=TqXs6Kyu13U</a></b>

### 4.4 - Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
<b>52.85</b>	<b>32.78</b>	<b>2</b>	<b>0.73</b>

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

##### Procedures and Policies for Maintaining and Utilizing Physical, Academic and Support Facilities:

The University ensures that the infrastructure requirements as specified by the Regulatory Committee, UGC or any other Academic Body/Committee be up to the mark and satisfactory. The

University management has an optimistic approach towards creation and enhancement of infrastructure. The management/administration interacts frequently with parents, teachers, alumni and the students for creation and enhancement of its infrastructure. The Policy of the management is to provide adequate space for effective teaching and learning process. The resources and infrastructure of the University are effectively used and shared to enable their optimum utilization. Resources of the central library are shared by students and faculties effectively. The college has six stateofheart computer laboratories, two canteens, one central library to meet the needs of the students. Classrooms are also utilized for remedial/shortterm/addon// learning courses and extralectures. CCTVs are installed to govern security and discipline. The University has enough classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc. These facilities with proper ventilation help students to be at ease during teaching learning process. Classrooms have a podium and a platform that facilitates the teachers in their teaching process. The classrooms have the provision of LCD projectors to facilitate effective teaching-learning process. The University has infrastructural facilities to organize activities like elocutions, debates, group discussions, presentations, exhibitions and invited lectures by eminent personalities. The University has two wellequipped auditoriums to conduct cocurricular activities like seminars, conferences and Annual Programmes etc. The University has a conference room a staff common room computer laboratories equipped with Local Area Network (LAN) facility and two wellequipped Digital English Language Laboratories. Smart boards with LCD projectors and internet connectivity, various departmental laboratories, individual faculty office, and various other sections of the Universities are equipped with internet connectivity. The University has provided PCs to all the faculty, HoDs and Deans to help them for innovative teaching learning process. An audio visual parlour helps the faculty to prepare audiovisual lectures to be put on the website. We have sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene etc. The University has separate offices for NSS, NSS and for other Extension activit vast Playground for conducting various sports events facilities for indoor sports and games like Table Tennis, Chess, Carrom, etc. Availability of musical instruments for cultural activities Availability of First Aid Kit in the Akal Hospital with fulltime doctors help the students in every way. Moreover the University has a very big playground for conducting outdoor games, two Lawn Tennis Courts. The

University has a provision for conducting yoga sessions and faculty and student and other staff of the University take their morning exercises in the yoga hall.

<http://www.eternaluniversity.edu.in/index.php/policies/>

## CRITERION V - STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

#### 5.1.1 - Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Fellowship	248	2170330
Financial Support from Other Sources			
a) National	Fellowship	54	2421300
b) International	Fellowship	9	182100

[View File](#)

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Personal Counseling and Mentoring etc. (ACA)	02/05/2019	243	Faculty Members

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	IBM Training	100	100	35	2
2018	GATE Preparation	30	30	0	0
2018	Soft Skill Training	200	200	7	100

2018	Agriculture Officers Preparation	51	51	12	1
2018	Banking Exam Preparation	30	30	1	1

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	2

## 5.2 - Student Progression

5.2.1 - Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Medanta, Zapbuild HTBD Relicumm Max Hospital Medanta Akali Academy Fortis MMU Solan KVCH Oracle	460	156	NIIT Rapid Metro Dowson Technology Knoah solutions Pvt. Ltd. Zeligz Technologies Pvt. Ltd. IT by Design Clixlogix Technologies Pvt. Ltd. RyatBahra College of Nursing, Mohali Kamakshi Nursing College, Bilaspur Swiss College of Nursing Mohali AMITY, New	242	76

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5.2.2 - Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
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2018	1	B.Tech.	ACET	NIT Jalandhar	M.Tech CSE
2018	6	B.Sc. (Nursing)	Akal College of Nursing	Akal College of Nursing	M.Sc. Nursing
2018	13	B.A.	Humanities	Akal College of Arts and Social Sciences	MA Punjabi MA English B.Ed.
2018	17	B.Sc. (Hons.) Agriculture	Akal College of Agriculture Eternal University	Akal College of Agriculture Eternal University	M.Sc. Agriculture
2018	5	B.Sc. (Hons.)	Physics; Chemistry; Mathematics	Akal College of Basic Sciences Eternal University	M.Sc. Physics; M.Sc. Chemistry M.Sc. Mathematics
2018	3	B.Sc. (Hons.)	Microbiology	Panjab University, Chandigarh Thapar Institute (Deemed University), Patiala HPU, Shimla	M.Sc. Microbial Biotechnology M.Sc. Biochemistry M.Sc. Microbiology
2018	13	B.A.	Humanities	Akal College of Arts and Social Sciences	MA Punjabi; MA English; B.Ed.
2018	6	B.Sc. (Hons.)	Psychology	Akal College of Arts and Social Sciences	M.Sc. Psychology
2018	2	B.Ed.	Education Deptt.	Punjabi University Patiala	MA Punjabi; MA Political Science
2018	1	B.Com. (Hons.)	Commerce	Eternal University	MBA
2018	3	B.Sc. Economics (Hons.)	Economics	Eternal University	M.Sc. Economics

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

Items	Number of students selected/ qualifying
-------	---

Any Other	3
Any Other	6

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

Activity	Level	Number of Participants
41st U20 National Girls Handball Championship	National	450
Annual Sports Day	Institutional	60
International Mother language Day	Institutional	24
International Women Day	Institutional	12
Republic Day and Independence Day	Institutional	200
Talent Hunt	Institutional	36
NCC Camp	State	500

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### 5.3 - Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Winner VolleyballLakshya2019 inter varsity fest at Baddi (Gold Medal)	National	1	0	BS17BCM030 BS17BCM015 BS16BCM005 BS16BSEC015 BS18BCM017	1.Tanisha Thakur 2. Jyotika Thakur 3. Harpreet Kaur Saini 4. Shivani Thakur 5. Ravneet Kaur
2018	Winner U20 Girls Handball Champioship (2018)	National	1	0	BS18BSMA003	Ms. Malvika

2019	Winner Volleyball-Athlos-2019 Intervarsity Sport Festival at Chittkara University (Gold Medal)	National	1	0	BS17BCM030 BS17BCM015 BS16BCM005 BS16BSEC015 BS18BCM017	1. Tanisha Thakur 2. Jyotika Thakur 3. Harpreet Kaur Saini 4. Shivani Thakur 5. Ravneet Kaur
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5.3.2 - Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The students are placed on the various academic and administrative bodies viz. • AntiRagging Committee (5) • Internal Quality Assurance Cell (2) • Grievance redressal cell (7) • Sexual Harassment cell (7) • Task Force Security Arrangements (one leader with 10 students) • Women Empowerment cell.(2) The student's involvement in these cells help in incorporating the proper suggestions. Parenthesis represents the No. of students in that committee.

#### 5.4 - Alumni Engagement

5.4.1 - Whether the institution has registered Alumni Association?

No

5.4.2 - No. of registered Alumni:

131

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

13100

5.4.4 - Meetings/activities organized by Alumni Association :

Alumini Meet held on 23.11.2018

### CRITERION VI - GOVERNANCE, LEADERSHIP AND MANAGEMENT

#### 6.1 - Institutional Vision and Leadership

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

(a) Akal College of Economics, Commerce and Management decentralized the powers of HOD of the various departments by making various committees viz. Academic affair committee, Research/ Technical Committee, Annual Report Committee, Web Page committee and revision of syllabi committee. (b) The casual leave sanction procedure for faculty and staff members of the Eternal



University, the concerned Deans are authorized to sanction casual leave of the staff under their administrative control.

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

Partial

6.2 - Strategy Development and Deployment

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

Strategy Type	Details
Curriculum Development	1. Every department has been asked to revise the course curriculum in light of industrial needs/ skill development every three years. 2. Educational Excursions tours must at the UG and PG level for important institutes/ industries/museums etc 3. Home mind scratching assignments to students of each course to develop Intrest in the course. 4. Complementing traditional written examination with Project work and Seminar Presentation based evaluation.
Teaching and Learning	1. Wide access to internet facility to inculcate online learning management resources. 2. ebook, ejournal facility for carrying out project works. 3. Learning through Field Work, Industrial visit, summer school. 4. Enhancement of learning skills of the students through participation in different seminars
Examination and Evaluation	1. Reforms in Examination system: First sessional theory and Midsessional practical examinations both have been discontinued w.e.f. September, 2018 onwards. These examinations have been merged as MidSessional theory examination and MidSessional practical examinations. Practical examinations are applicable for those courses which are exclusively for the practical only i.e. no theory in that courses. Due to this process burden on teachers for framing question papers and checking answer sheets have reduced, whereas the attendance of students in regular classes have improved. 2. In B.Ed weekly tests instead of MidSessional examination for some inservice students have been implemented. 3. Framing of final examination question papers from external source/ experts of all courses to 30 for the both odd and even semesters. 4. The results of outgoing students are declared in a month positively. 5. Schedule of sessional examination is mentioned in the academic calendar and displayed on notice board from time to time. 6. Students are instructed about examinations in the beginning of session. 7. Answer books of sessional Exams are shown to students after evaluation. 8. Coding and decoding of answer papers.
Research and	1. To inspire faculty to bring projects, Honorarium from Institutional funds or

Development	contingencies to PI and CoPI have been instituted. 2. All most all the faculty members are Ph.D. and the new recruitment is primarily of Ph.D., so that the Ph.D. students can have qualified supervisors. 3. In this academic session 201819 the seats for Ph.D. were 23 and have been proposed to increased to 50. 4. Scholarships to the tune Rs. 4500/per month to each Ph.D. scholar is provided to encourage good students to join the research progarmme. 5. This year the University has established full fledged lab for Entomology. 6. Large number of highly sophisticated instruments have been purchased.
Library, ICT and Physical Infrastructure / Instrumentation	1. The library has started issuing the reference books to the students for overnight 2. The sitting capacity has been increased from 200 to 240. 3. For competitive examinations special books/ magazines have been purchased. 4. The issuing of books have been automated rather than manual through ERP.
Human Resource Management	The Vice Chancellor office maintain the record cum personal files of the faculty and staff, whereas, the students is by the Registrar. The University has the of Dean Student Welfare to look in to the grievance of students. The various committees' viz. AntiRagging Committee, Grievance redressal cell, Sexual Harassment cell, Women Empowerment cell look into the various aspects of Human resource management. The University has a Hospital,, the Doctors and Nurses provide medical attention to faculty and students whenever required. The students have been insured by the University for medical/ accidental claims
Industry Interaction / Collaboration	1. The National seminar was conducted on Corporate Social responsibility to interact with the CEO's of different companies. 2. The National Conference on Healthcare and paradigm change for student of Nursing to interact with the CEO's and Managing Director of many health service providers. 3. The students are taken to various industrial visits for interaction with the employees and employers and some are placed as internee in them. 4. Institute has collaborated with the industry for the Academic development and career opportunities for the upcoming professionally graduating students. Institutions take the consultancy for the curriculum development for engineering, agriculture, management and related courses. Through Collaboration University provided consultancy to the Industry in projects in the field of engineering, management and agriculture. These connections arise out of consulting and customized training that faculty do with organizations they flow from the placements with firms around the world. From the participation of alumni in institute activities for placements and funding. Successive

	<p>sponsorship of industry in promotion of research products of the Institution and from the management development programmes that the Institute conducts.</p>
Admission of Students	<p>1. Eternal University Prospectus, Brochures, Fee Structure, Application Form and Scholarships are finalized and after approval from the Academic Council and Admission Committee are uploaded on the website. 2. Entrance exam process, selection procedure, eligibility criteria along with the guidelines of the interview are mentioned in the application form and website. 3. Interview dates are uploaded on the website and also sent to the respective/shortlisted students through call letters. Students, who meet the criteria, need to appear for an interview process where panel is from the Faculty. The interview process is exploratory in nature prospective test the technical skills, soft skills through structured questions during interview. 4. Day boarding is allowed this to give admissions to economically backward, intelligent students 5. University allowed the admissions of the faculty in Ph.Dprogrammes in faculty improvement programmes.</p>

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

E-governance area	Details
Planning and Development	<p>Yes The introduction of eGovernance in higher education is one such concept that can empower the governing bodies to administer, and control over the structure, processing and delivery of information, and develop the educational plan in the whole country and serve various stakeholders in a much better ways</p>
Administration	<p>Yes, The Administration of the University functions with Egovernance system at the College and University level. Even though the University is established in the most remote area of district Sirmour still the University tries its best to keep in touch with latest tools of administration with available tools in hand. The Vice Chancellor is vested with the daytoday running of the University with his team of the Deans of all colleges, Departmental Heads, the IQAC Coordinator, the Teaching faculty, Administrative staff to assist her in the discharge of this work. With the help of developed technological world the University staffs uses the same for administration purpose. The University has Biometric attendance for teaching and nonteaching staff. The University campus is equipped with CCTV Cameras at very place of need.</p>
Finance and Accounts	<p>Yes. The University uses TALLY 9.0 ERP software for Egovernance for transparent functioning of Finance and Accounts which helps to increase the efficiency of staff towards the accuracy in financial transactions. The University conducts regular audit of Accounts Books. The administrative office keeps the all financial records</p>

	separately as per the events and transactions made for and maintains the Books of Accounts properly which helps in auditing procedure.
Student Admission and Support	Yes. At the initial stage of admission process of every academic year the Admission Cell of University allows every student to take admission with fee of Rs. 5000/. This supports some students those are facing financial issues. The University also extends help to students in their Admission while filling Admission form, Examination form as well as Scholarship Form.
Examination	Yes. The University has its separate Examination department equipped fully with ITC tools necessary for examination purpose. The examination department has the separate Xerox Machine for printing the question papers downloaded from the University portal. As per university regulation the Examination

### 6.3 - Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Dr RAdheshyam Rai	INSA visiting scientist programme	IIT Delhi	60000

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6.3.2 - Number of professional development / administrative training programmes organized by the University for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	Intellectual Property Rights: Issue and Challenges		28/03/2018	28/03/2018	70	0

6.3.3 - No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term

## Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Orientation Course	1	11/12/2018	07/01/2019	28

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
0	18	0	9

## 6.3.5 - Welfare schemes for

Teaching	Non-teaching	Students
Children Education allowance Scheme, (1)	University uniform scheme for peons, (1)	NSS, Scholarship Scheme, Medical Cover Scheme (3)

## 6.4 - Financial Management and Resource Mobilization

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

Internal audit is conducted biannually by team of a 23 member constituted by the Kalgidhar Trust. The team members visit the university and contact to the accounts department. Here they inspect all the financial documents, bills, payments etc. with accounts officer and accounts assistants. The remarks of the audit team are taken for the improvements of the financial activities of the institution. The report of internal audit is submitted by the Kalgidhar Trust to an External Auditor who is a Registered Chartered Accountant. The External Auditor audits the accounts annually and his report is sent to the Income Tax Department, Govt of India. The university also submits its Annual Audit report to the Ministry of Higher Education, Himachal Pradesh every year.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Dr. B.S. Boparai, Dr. HS Dhaliwal	200000	Award

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## 6.4.3 - Total corpus fund generated

200000

## 6.5 - Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	KN Chandla, Shimla	Yes	Accounts Dept. Kalgidhar Trust
Administrative	Yes	KN Chandla, Shimla	Yes	Accounts Dept. Kalgidhar Trust

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

Not Applicable

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

Nil

## 6.5.4 - Development programmes for support staff (at least three)

1. They are promoted and given higher pay packages 2. Trained in ICT 3. Subsidized stay and Food

## 6.5.5 - Post Accreditation initiative(s) (mention at least three)

- Mentoring system for students
- Reforms in examinations
- Promote research by increasing Ph.D seats

## 6.5.6 - Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	Yes
d) NBA or any other quality audit	Yes

## 6.5.7 - Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants

2018	Corporate Social Responsibility Seminar	22/09/2018	22/09/2018	24/09/2018	200
2018	ICSSR sponsored National Seminar	25/03/2019	25/03/2019	26/03/2019	26

## CRITERION VII - INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 - Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
International Women Day Celebration	08/03/2019	08/03/2019	180	24
International mother language day	23/02/2019	23/02/2019	150	20
NCC Camps	04/07/2018	13/07/2018	425	10
Candle March Procession	19/02/2019	19/02/2019	50	7
National Unity Day	31/10/2018	31/10/2018	40	5

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

##### Percentage of power requirement of the University met by the renewable energy sources

1. Swachta Pakhwada when and the duration, activities related to environment sustainability? 2. About 19 of power requirement of the University met by the renewable energy sources. Requirement of the University: 261 kW Solar Power Plant: 200 kW Amount of Solar Power utilized by the University: 50 kW 3, Food for all the students and majority of the faculty and staff members is prepared by the concentrated solar technology of shaffler dishes. 4, The treated sewage water is used for irrigation of experimental and forage crops of the Akal College of Agriculture through sprinkler, surface and subsurface drip irrigation systems.

#### 7.1.3 - Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0
Provision for lift	Yes	0
Ramp/Rails	Yes	0
Braille Software/facilities	Yes	0

<b>Rest Rooms</b>	<b>Yes</b>	<b>0</b>
<b>Scribes for examination</b>	<b>Yes</b>	<b>1</b>
<b>Special skill development for differently abled students</b>	<b>Yes</b>	<b>0</b>

## 7.1.4 - Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	1	01/09/2018	2	Improvement and cultivation of functional food crops	acs	20

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

Title	Date of publication	Follow up(max 100 words)
Human Values Professional Ethics	08/04/2019	The book is an outcome of the long drawn search, visualization and extensive experimentation towards evolving an effective and universally acceptable methodology for introducing value education in the present curricula of technical and other professional institutions a response to a longfelt and urgent need to integrate value education with professional skills in the presentday education system. a unique methodology focusing on the right understanding of the human reality that been systematically presented. This involves the discovery of the inherent harmony and coexistence in the existence through selfexploration, forming the basis of universal human values and facilitating transformation towards a holistic worldview or the human consciousness.

## 7.1.6 - Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Women empowerment Dr. Sukhminder Kaur	18/10/2018	18/10/2018	212
Development of Leadership among students Col AS Ghuman	05/11/2018	05/11/2018	158



Health awareness among students Dr. Sunita God	08/05/2019	08/05/2019	107
Health awareness Nehru YuvaKender, Nahan	18/06/2018	18/06/2019	112

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

Use of paper bags in place of plastic and solid waste is segregated and recycled, for card board, plastic with cement bricks. Besides, blank side of used A4 size paper is reused for printing.

The biodegradable solid waste is converted to compost, or vermicomposting and biogas production.

The sewerage is treated in septic tanks and solid settled is used as fertilizer and clean water is used for irrigation and the surplus water is released into Giri river.

Solar panels are placed on roof tops for generation of electricity.

CST Schaeffler dishes used for steam generation for cooking meals

The ewaste is treated under the guidance of IT scientists and dumped in the pits

## 7.2 - Best Practices

### 7.2.1 - Describe at least two institutional best practices

1. As the University is located in the rural Himachal Pradesh areas, waste management is a priority to keep the campus pollution free. To keep the campus pollution free waste management of all three kinds is taken care of. The solid waste is sorted out into various components some of which are recycled. The waste papers (including answer sheets of students) are used for making cardboard for packing and file covers. The biodegradable waste is converted into compost in a Drum type composter, while the other is used for vermicomposting. The cattle dung is used for the generation of biogas. The plastic waste is being used with concrete to make durable bricks/ or is incinerated All the campus sewerage and liquid waste is treated in sewage treatment plant before draining for irrigation by us, farmers of the adjoining areas and the surplus is drained in to the Giri river. Equally the ewaste is treated and dumped in the pits under the guidance of IT personnel's. Several solar plants have been installed with capacity 200 kWp to meet power shortfall. Flate plate collector based solar water heating system been installed. Solar concentrator based cooking system with capacity of 5,500 residents has been installed. The University has received National award of excellence in concentrated solar energy from Ministry of Power, coal and renewable Energy. 2. Fully furnished residential university both for students and faculty. Situated in the valley of divine of peace the campus is providing the safest, drug and pollution free environment and support the holistic development of its students. Away from the chaotic environment of cities, a congenial environment for mental peace provides best option for quality education. Being residential it provides least wastage of time in transport or movement of

students which is best utilized in studies. Students are encouraged for performing selfless services like doing sewa in Gurdwara, Langar hall, Darbar sahib, in hospitals, or for old age people. Spirituality is the basis for the establishment of modern Gurukul of the era. The Eternal University with value based education and spiritual rejuvenation is creating good global citizens to serve the society with compassion and love. It is one of the first exclusively 100 girl students residential campus in Northern India with fee concession and waivers to the girls from economically weaker rural families.

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

<http://www.eternaluniversity.edu.in/wp-content/uploads/2019/10/TWO-INSTITUTIONAL-BEST-PRACTICES.pdf>

### 7.3 - Institutional Distinctiveness

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

Sirmour is the most backward districts of Himachal Pradesh with very high proportion of small and medium farmers with least awareness of recent advances and initiatives for their inclusive and holistic development. Situated in the strategic region the Eternal University is focusing on the inclusive development of the villages cluster around Baru Sahib through extension activities including training courses, workshops, field visits and Kissan Melas. The feedback from the farmers is used as the basis for planning and undertaking our extension activities. To give impetus to the region specific research on thrust areas the number of seats at Masters and Ph.D. levels has been increased, Adequate infrastructure, laboratory facilities are being created, and highly qualified faculty has been employed. The state of the art laboratories have been established through the university as well as the DBT, DST and HP Govt. funded projects for more than Rs 3 crores. High yielding biofortified wheat lines with high grain Zn and Fe have been developed and are being tested in multilocation field trials for commercial cultivation. A number of maize composite cultivars with improved nutritional quality characteristics including essential amino acids tryptophan and lysine, beta carotene and anthocyanin in various combinations have been developed through molecular breeding for commercial cultivation. A grant of Rs 75 lakhs from MoFPI has been utilized to establish three pilot plants viz Bakery, Extrusion products and Fruits and vegetable processing for training of students and local farmers and entrepreneurs in food processing and value addition. A variety of nanoparticles have been developed which are being tested for their use in diverse applications. Diverse germplasm of a number of functional food crops including barley, oats buckwheat, pearl millet, finger millet, amaranths, foxtail millet,

soybean, sweet sorghum has been procured and is being evaluated and improved for release for cultivation in the region. Baru Sahib and its adjoining areas are very rich in biodiversity of medicinal and aromatic plants. Therefore, RD on their biodiversity analysis, characterization of phytoconstituents, bioactivities and formulation of various herbal products is the main focus. Presently, more than 100 medicinal plants have been introduced in the HerbalcumBotanical Garden. The cytomorphological, phytochemical, pharmacological, morphoanatomical and RAPD marker assisted profiling, invitro biological activities of various medicinal plants of genera viz., Valeriana, Berberis, Dioscorea, Gentiana, Plectranthus, Colebrookea, Scutellaria, Adhatoda, Tinospora, Physalis, Roylea, Boerhavia and Withania etc., have been completed. A perennial and winter hardy ecotype of Withania somnifera with high amount of withanolides in leaves has been identified. The fecal samples of sheep, goat, cow and buffaloes of Sirmour have revealed the prevalence of various nematode and helminth parasites belonging to various genera. In addition, the oocysts of unicellular eukaryotic protozoan parasite Eimeriasp. were also detected in the fecal samples of livestock animals from the study areas. . A total 425 endophytic and rhizospheric bacteria have been isolated and screened for potassium, phosphorus and zinc solubilization, plant growth promoting (PGP) attributes, production of siderophores, IAA and ACC deaminase activity.

Provide the weblink of the institution

<http://www.eternaluniversity.edu.in/wp-content/uploads/2019/10/INSTITUTIONAL-DISTINCTIVENESS.pdf>

## 8.Future Plans of Actions for Next Academic Year

Concerted efforts will be made to open the university to the girl students from different states of India and other countries to fill the intake capacity of students in all the programmes of various colleges to the maximum extent. To recruit and retain the highly qualified faculty they will be encouraged and facilitated to attend conferences, seminars and workshops more frequently and given financial support to take up and publish research work in peer reviewed journals. Major emphasis will be given to student centered digital learning activities and faculty development through extensive use of ICT, MOOCs, SWYAM and other portals. Maximum use of all the installed modules of the ERP will be made for monitoring attendance, teaching, payments, feedback, leaves and information to all the stake holders of the university with the least use of paper work. A counseling, competitive training and examination cell be established for development of soft skill and favorable placement opportunity of the students. Efforts will be focused to establish the crucial academia industry linkage for taking up joint R D activities, training and placement of students, transfer of technology and marketing of products based on medicinal and aromatic plants, functional food crops with improved nutritional quality and application of nanomaterials. Major efforts will be made to involve and encourage the faculty and students to interact with the local youth, farm men and women for creating awareness, of technology and skill development for ensuring

skill development, entrepreneurship and income generation for their food, nutrition and health security using various national initiatives. Some more initiatives pointwise are: 1. More e-governance and decentralization of administrative work in order to increase the working capability of the administration. e-governance using ERP will be the priority of Eternal University. Moreover, it will be also synergized through decentralization of administrative work. 2. Regular feedback from students, parents, alumni, teachers with anonymity. The regular feedback will be very helpful in taking decisions by the IQAC. The Performa will also be modified and got filled with anonymity. 3. Each college to organize at least one workshop. The decision by IQAC will be taken shortly. It will help to update the scientific knowledge of the faculty. 4. Establishment of Counselling and Competitive Examination cell and encourage the students to participate. This will help the students to inspire and take guidance from the faculty. 5. Improve MIS system. Some of the modules in the process will be implemented. 6. Encourage e-content development by the faculty. It will help the students to study at any odd hours. 7. Establishment of centralized instrumentation facilities for research of PG students. Large number of the equipment's lying in different laboratories will be centralized at one place and will help facilitate research of PG students. 8. Encourage students in sports and extracurricular activities. Regular excursion trips to educational institutions will be the priority of Eternal University