



Yearly Status Report - 2018-2019

Part A

Data of the Institution

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

| 2. Institutional Status | |
|--|-------------------------------|
| 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 |

| 3. Website Address | |
|--|---|
| Web-link of the AQAR: (Previous Academic Year) | http://www.eternaluniversity.edu.in |
| 4. Whether Academic Calendar prepared during the year | Yes |
| if yes,whether it is uploaded in the institutional website: Weblink : | http://www.eternaluniversity.edu.in/wp-content/uploads/2019/05/Academic-Calendar-2019-20.pdf |

5. Accrediation Details

| 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 | 09-Feb-2019 | 19 |

| | | |
|---|------------------|----|
| Internal Quality Assurance Cell (IQAC) | 1 | |
| 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 |

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

| Institution/Department/Faculty | Scheme | Funding Agency | Year of award with duration | Amount |
|--|--------|--|-----------------------------|--------|
| 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 Link |
| 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 Uploaded 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

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2019

Date of Submission

30-Jan-2019

17. Does the Institution have Management Information System ?

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 |
|-------------------|----------------|--|------------------|
| BTech | BTEC | ETE | 13/08/2018 |
| BTech | BTCS | CSE | 13/08/2018 |
| BEd | BED | EDU-406, EDU-407 EDU-413, EDU-414 EDU-420, EDU-421 EDU-426, EDU-427 | 18/12/2018 |
| BSc | BSEC | ECON-207 | 13/08/2018 |
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

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

1.2.1 – New programmes/courses introduced during the Academic year

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

| | | |
|-------------------|------------------|------------|
| MSc | Renewable Energy | 23/05/2019 |
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

| Name of programmes adopting CBCS | Programme Specialization | Date of implementation of CBCS/Elective Course System |
|----------------------------------|--------------------------|---|
| BSc(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 |
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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 (RAWE) 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 | 24 |

| | internships | |
|-------|---|----|
| BTech | Android device hacking and Attacks; Telecom Prediction System; Revenue Forecast of Waste Paper Sale; Vehicle Prediction System; Omron Healthcare; Bus Ticketing System; Payroll Management System; Heart Stroke Prediction; ATM Simulator; Manthan System | 10 |
| 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 | 4 |

| | | |
|-------------------|--|----|
| | trolley for C | |
| 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 |
| BEEd | Educational Internship | 41 |
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

| | |
|-----------|-----|
| Students | Yes |
| Teachers | Yes |
| Employers | Yes |
| Alumni | Yes |
| Parents | Yes |

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

| |
|---|
| Feedback Obtained |
| <p>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</p> |

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 |
| Mtech | Material Science & Engineering | 18 | 0 | 0 |
| PhD or DPhil | ETE | 1 | 1 | 1 |
| BSc | Medical | 30 | 11 | 11 |
| BSc | Non Medical | 30 | 9 | 9 |
| BSc | (Hons.) Mathematics | 30 | 5 | 5 |
| BSc | (Hons.) Chemistry | 30 | 0 | 0 |
| BSc | (Hons.) Physics | 30 | 0 | 0 |
| BSc | (Hons.) Microbiology | 30 | 6 | 6 |
| BSc | (Hons.) Biochemistry | 30 | 0 | 0 |
| BSc | (Hons.) Botany | 30 | 0 | 0 |
| BSc | (Hons.) Zoology | 30 | 0 | 0 |
| MSc | Biochemistry | 15 | 0 | 0 |
| MSc | Botany | 30 | 6 | 6 |
| MSc | Zoology | 30 | 5 | 5 |
| MSc | Microbiology | 15 | 0 | 0 |
| MSc | Mathematics | 15 | 2 | 2 |
| MSc | Chemistry | 15 | 5 | 5 |
| MSc | Physics | 15 | 9 | 9 |
| MSc | Environmental Sciences | 15 | 0 | 0 |
| PhD or DPhil | Chemistry | 2 | 2 | 2 |

| | | | | |
|------------------|------------------------------|----|----|----|
| PhD or DPhil | Biochemistry | 2 | 1 | 1 |
| PhD or DPhil | Physics | 3 | 1 | 1 |
| PhD or DPhil | Botany | 1 | 1 | 1 |
| PhD or DPhil | Zoology | 1 | 1 | 1 |
| PhD or DPhil | Mathematics | 2 | 2 | 2 |
| BSc(Agriculture) | (Hons.) Agriculture | 90 | 75 | 75 |
| BTech | Food Technology | 60 | 14 | 14 |
| 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 | Nil | 30 | 4 | 4 |
| MCom | Nil | 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 | Nil | 65 | 56 | 63 |

| | | | | |
|-------------------|------|----|----|----|
| MSc Nursing | Nill | 25 | 17 | 10 |
| MPH | Nill | 30 | 13 | 13 |
| MHA | Nill | 30 | 6 | 6 |
| BEd | Nill | 50 | 27 | 27 |
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2.2 – Catering to Student Diversity

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

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

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 |
|----------------------------|---|-----------------------------------|----------------------------------|----------------------------|---------------------------------|
| 128 | 128 | 356 | 10 | 14 | 8 |

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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 |

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 Professor | Best Teacher Award by Eternal University, Baru Sahib |
| 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), 2019for |

| | | | |
|-------------------|---------------------|---------------------|---|
| | | | 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 | Recognized as 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 | 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 |
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2.5 – Evaluation Process and Reforms

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

| Programme Name | Programme Code | Semester/ year | Last date of the last semester-end/ year-end examination | Date of declaration of results of semester-end/ year- end examination |
|----------------|---|----------------|--|---|
| 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.) Chemistry3r | 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 |
|----------------|------------------|--------------------------|---|---|-----------------|
| Nill | BA | Humanities | 37 | 33 | 89.2 |
| Nill | BSc | Psychology | 10 | 10 | 100 |
| Nill | BSc | (Hons.) Chemistry | 3 | 3 | 100 |
| Nill | BSc | (Hons.) Mathematics | 4 | 4 | 100 |
| Nill | BSc | (Hons.) Microbiology | 4 | 4 | 100 |
| Nill | BSc | (Hons.) Physics | 3 | 2 | 66.7 |
| Nill | BSc | (Medical) | 3 | 3 | 100 |
| Nill | BSc | (Non-Medical) | 6 | 3 | 50 |
| Nill | BSc(Agriculture) | Nill | 51 | 51 | 100 |
| Nill | BTech | Food Tech. | 11 | 11 | 100 |
| Nill | BA | Music | 26 | 19 | 73.1 |
| Nill | BSc | (Hons.) Economics | 16 | 12 | 75 |
| Nill | BCom | (Hons.) | 24 | 23 | 95.9 |
| Nill | BTech | Nill | 37 | 36 | 97.3 |

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2.7 – Student Satisfaction Survey

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

<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 |

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

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

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3.2 – Resource Mobilization for Research

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

| Nature of the Project | Duration | Name of the funding agency | Total grant sanctioned | Amount received during the year |
|-----------------------|----------|---|------------------------|---------------------------------|
| 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 Projects | 3 | DST, New Delhi | 25 | 0 |
| 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 National Seminar | Eternal University | 22/09/2018 |
| Fostering 21st Century Pedagogical skills special education needs | Akal College of Education | 01/10/2019 |
| AICTE recognized Short Term Course on VLSI Design | Akal College of Engineering and Technology | 24/09/2018 |

| | | |
|---|--|------------|
| AICTE recognized Short Term Course on 4G and 5G | Akal College of Engineering and Technology | 17/09/2018 |
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

| Title of the innovation | Name of Awardee | Awarding Agency | Date of award | Category |
|--|--|---|---------------|--|
| Biological control of tomato fruit borer (Helicoverpa armigera Hubner) | Dr. Priyanka Thakur Assistant Professor | Department of Botany, EU | 25/05/2019 | Best oral Presentation in National conference on New Insights in Biological and Environmental Sciences (NIBES2019) |
| In vivo mass production and recovery of infective juveniles of the entomopathogenic nematodes associated with fruit orchards of Himachal Pradesh | Dr. Neelam Thakur | Department of Botany, EU | 25/05/2019 | Best oral Presentation in National conference on New Insights in Biological and Environmental Sciences (NIBES2019) |
| Development of Medicinal Plants sector in Sirmour District of H.P. | Dr. Vivek Sharma | Regional cum-Facilitation Center (RCFC) (Northern Circle) | 02/05/2019 | Guest of Honor Award |
| Fabrication of Low Cost Solar Drying System Using Locally Available Materials for Preserving Agriculture and Horticulture Commodities | Dr. Puneet Negi | Sant Longowal Institute of Engineering and Technology, Longowal | 02/03/2019 | First prize in oral presentation in A multitrack national conference (SLIETCON-2019) |
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

| Incubation Center | Name | Sponsored By | Name of the Start-up | Nature of Start-up | Date of Commencement |
|-------------------|------|--------------|----------------------|--------------------|----------------------|
| 0 | 0 | 0 | 0 | 0 | 01/08/2018 |
| No file uploaded. | | | | | |

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 |
| No file uploaded. | | | |

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 |
| View Uploaded File | |

3.4.4 – Patents published/awarded/applied during the year

| Patent Details | Patent status | Patent Number | Date of Award |
|-------------------|---------------|---------------|---------------|
| nil | Filed | 0 | 30/06/2019 |
| No file uploaded. | | | |

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

| Title of the Paper | Name of Author | Title of journal | Year of publication | Citation Index | Institutional affiliation as mentioned in the publication | Number of citations excluding self citation |
|---|---|---------------------------------|---------------------|----------------|---|---|
| A 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 |
| 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, India 17310 | 20 |
| Pharmacotherapeutic potential of phytochemicals: Implications in cancer chemoprevention | Kaur V., Kumar M., Kumar A., Kaur K., Dhillon V.S., Kaur S | Biomedicine and Pharmacotherapy | 2018 | 10 | Eternal University, Baru Sahib, India 17310 | 10 |

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|---|---|--|------|---|---|---|
| on and future perspectives | | | | | | |
| 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, India 173101 | 7 |
| 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 | 6 | Eternal University , Baru Sahib, India 173101 | 5 |
| Morphostructural and optoelectrical properties of chemically tuned nanostructured TiO ₂ | Kaur G., Negi P., Kaur M., Sharma R., Konwar R.J., Mahajan A. | Ceramics International | 2018 | 4 | Eternal University , Baru Sahib, India 173101 | 3 |
| Study of structural and magnetoelectric properties of $1-x(\text{Ba}_{0.96}\text{Ca}_{0.04}\text{TiO}_3)_x(\text{ZnFe}_2\text{O}_4)$ 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 |

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|--|--|--|------|---|---|---|
| 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, India 173101 | 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, India 173101 | 2 |
| Precise transfers of genes for high grain iron and zinc from wheat Aegilops 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, India 173101 | 2 |
| 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 | 2 | Eternal University , Baru Sahib, India 173101 | 2 |
| Effect of rhizobacteria on arsenic uptake by macrophyte Eichhornia | Kaur P., Singh S., Kumar V., Singh N., Singh J. | International Journal of Phytoremediation | 2018 | 3 | Eternal University , Baru Sahib, India 17310 | 2 |

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| crassipes (Mart.) Solms | | | | | | |
| Hematite Fe ₂ O ₃ induced magnetic and electrical behavior of NiFe ₂ O ₄ and CoFe ₂ O ₄ ferrite na noparticle s | Verma K.C., Goyal N., Singh M., Singh M., Kotnala R.K. | Results in Physics | 2019 | 2 | Eternal University , Baru Sahib, India 17310 | 1 |
| Biodiver sity of me thylotroph ic microbial communitie s 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 |
| Structur al, morpho logical and optical properties of EuN codoped zinc oxide nanopartic les synthe sized using copr ecipitatio n technique | Kaur M., Kaur P., Kaur G., Dev K., Negi P., Sharma R. | Vacuum | 2018 | 1 | Eternal University , Baru Sahib, India 17310 | 1 |
| Study of structural , electrical and magnetic properties of 1x(Ba _{0.96} Ca _{0.04} Ti O ₃)x(BiFeO | Lal M., Shandilya M., Rai R., Ranjan A., Sharma S., Valente M.A. | Journal of Materials Science: Materials in Electro nics | 2018 | 1 | Eternal University , Baru Sahib, India 17310 | 1 |

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| 3) ceramics composites | | | | | | |
| 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 nutrient gene 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 photocatal | Kumar V., Sharma R., Kumar | Ceramics International | 2019 | 0 | Eternal University , Baru | 0 |

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| ytic activity of Bi ₂ Ti ₂ O ₇ nanopowders synthesised via Pechini vs CoPrecipitation method | S., Kaur M., Sharma J.D. | | | | Sahib, India 17310 | |
| 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 |
| 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 |

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|---|---|---|------|---|---|---|
| Pyrazole 4carboxylic Acids from Vanad iumcatalyzed Chemical T ransformat ion of Pyr azole4carb aldehydes | Bala R., Kumari P., Sood S., Phougat H., Kumar A., Singh K. | Journal of Heteroc yclic Chemistry | 2018 | 0 | Eternal University , Baru Sahib, India 17310 | 0 |
| Genetic diversity and phylog enetic profilng of fusarium sp., the causing storage rot of ginger (Zingiber officinale) in himachal pradesh and their potential environmen tal ecofri endly management strategies | Sushma S., Shanmugam V., Singh B.G., Neelam T., Sapna T., Priyanka T., Sumitra P., Nath Y.A. | Research Journal of Biotechnol ogy | 2019 | 0 | Eternal University , Baru Sahib, India 17310 | 0 |
| Leakage immune single ended 8T sram cell for ultralow power memory design | Pahuja H., Tyagi M., Singh B., Panday S. | Journal of Enginee ring Science and Technology | 2019 | 0 | Eternal University , Baru Sahib, India 17310 | 0 |
| Comprehe nsive inve stigation of structu ral, dielectric and local piezoelect ric properties of KNN ceramics | Kumari P., Lal M., Kumar S., Rai R., Singh A., Karpinsky D.V., Bdikin I. | Journal of Advanced D ielectrics | 2019 | 0 | Eternal University , Baru Sahib, India 17310 | 0 |

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|---|---|---|------|---|--|---|
| 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 4,5,6,7-tetrahydroindazole derivatives via microwave-assisted Mitsunobu 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 Mitsunobu reaction on substituted cyclohexanone hydrazones: Synthesis of novel 4,5,6,7-tetrahydroindazole derivatives | Kaur A.K., Bala R., Kumari P., Sood S., Singh K. | Letters in Organic Chemistry | 2019 | 0 | Eternal University , Baru Sahib, India 17310 | 0 |

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|---|---|--|------|---|---|---|
| 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 Dichloride ϵ -DMF Mediated Synthesis of Benzothiazolebased 4Formylpyrazole Derivatives: Studies on Their Anti microbial 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 ₃ substitution on structural, dielectric, electrical and magnetic properties | 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 |

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| of BiFe _{0.8} O _{Ti0.20} ₃ [BilxPrxFe 0.80Ti0.20 O ₃ , x 0.05, 0.10, 0.15] ceramics | | | | | | |
| Elicitation of Phenylpropanoids and Expression Analysis of PAL Gene in Suspension Cell Culture of <i>Ocimum tenuiflorum</i> 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 <i>Ocimum</i> , <i>Hibiscus</i> and <i>Syzygium</i> 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 <i>Ricinus communis</i> L. against bacterial pathogens <i>Escherichia coli</i> and <i>Klebsiella oxytoca</i> as evaluated | 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 |

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|---|---|--|------|---|--|---|
| by Transmission electron microscopy | | | | | | |
| Effect of different microwave power applied during microwave assisted radiant heating on the structure, dielectric and electrical properties of Ba _{0.8} Ca _{0.2} TiO ₃ 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 Iron deficiency specific 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 P., Dhaliwal H.S. | Euphytica | 2018 | 0 | Eternal University , Baru Sahib, India 17310 | 0 |

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|---|--|-----------------------------------|------|---|--|---|
| 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 |
| Morphometric study in <i>Mentha longifolia</i> 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 <i>Spodoptera litura</i> Fabricius | Sharma S., Kooner R., Sandhu S.S., Arora R. | Journal of Entomological Research | 2018 | 0 | Eternal University, Baru Sahib, India 17310 | 0 |

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|---|--|---|------|---|--|---|
| Synthesis of some bicyclic lactams via beckmann rearrangement and their anti microbial 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 thiabendazole derivatives and their antimicrobial evaluation | Sood S., Bala R., Kumar V., Singh N., Singh K. | Current Bioactive Compounds | 2018 | 1 | Eternal University , Baru Sahib, India 17310 | 0 |
| Investigating oxidation of formaldehyde over Co_3O_4 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 nano structures for photoc | 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 |

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| analytic activity | | | | | | |
| A novel single ended 9T FinFET sub threshold 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, India 17310 |
| 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 | 4 | 10 | Eternal University, Baru Sahib, India 17310 |
| Current and emerging biomarkers in tumors of the central nervous system: Possible d | Khan I.N., Ullah N., Hussein D., Saini K.S. | Seminars in Cancer Biology | 2018 | 4 | 7 | Eternal University, Baru Sahib, India 17310 |

| | | | | | | |
|---|---|--|------|---|---|--|
| diagnostic, prognostic and therapeutic applications | | | | | | |
| 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, India 173101 |
| Morphostructural and optoelectrical properties of chemically tuned nanostructured TiO ₂ | Kaur G., Negi P., Kaur M., Sharma R., Konwar R.J., Mahajan A. | Ceramics International | 2018 | 4 | 3 | Eternal University, Baru Sahib, India 173101 |
| Study of structural and magnetoelectric properties of $1-x(\text{Ba}_{0.96}\text{Ca}_{0.04}\text{TiO}_3)_x(\text{ZnFe}_2\text{O}_4)$ 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, India 173101 |
| 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, India 173101 |
| Verified nonlinear | Kumar D., Singh | International | 2018 | 4 | 2 | Eternal University |

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|---|--|--|------|---|---|---|
| DPL model with experimental data for analyzing heat transfer in tissue during thermal therapy | S., Sharma N., Rai K.N. | Journal of Thermal Sciences | | | | , Baru Sahib, India173101 |
| Precise transfers of genes for high grain iron and zinc from wheat Aegilops 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 | 4 | 2 | Eternal University, Baru Sahib, India173101 |
| 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 γ -Fe ₂ O ₃ induced magnetic and electrical behavior of NiFe ₂ O ₄ and CoFe ₂ O ₄ | Verma K.C., Goyal N., Singh M., Singh M., Kotnala R.K. | Results in Physics | 2019 | 4 | 1 | Eternal University, Baru Sahib, India173101 |

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|--|--|--|------|---|---|--|
| ferrite nanoparticles | | | | | | |
| Biodiversity of mycorrhizal, 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, India 173101 |
| Structural, morphological and optical properties of Eu ³⁺ doped 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, India 173101 |
| Study of structural, electrical and magnetic properties of $1-x(\text{Ba}_{0.96}\text{Ca}_{0.04}\text{TiO}_3)_x(\text{BiFeO}_3)$ 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, India 173101 |
| Effect of incorporation of oat flour on nutritional and organoleptic characteristics of bread and | Chauhan D., Kumar K., Kumar S., Kumar H. | Current Research in Nutrition and Food Science | 2018 | 4 | 1 | Eternal University, Baru Sahib, India 173101 |

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| noodles | | | | | | |
| 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, India 173101 |
| Nutrigenomics: Advances, opportunities and challenges in understanding the nutrient gene interactions | Vyas P., Singh D., Singh N., Kumar V., Dhaliwal H.S. | Current Nutrition and Food Science | 2018 | 4 | 1 | Eternal University , Baru Sahib, India 173101 |
| 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, India 173101 |
| Enhancement in the photocatalytic activity of Bi ₂ Ti ₂ O ₇ 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, India 173101 |
| Potential | Pal M., Kumar V., | Proceedings of the | 2019 | 4 | 0 | Eternal University |

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|---|---|--|------|---|---|--|
| and Prospects of Shikonin Production Enhancement in Medicinal Plants | Yadav R., Gulati D., Yadav R.C. | National Academy of Sciences India Section B Biological Sciences | | | | , Baru Sahib, India 173101 |
| 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, India 173101 |
| 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 | 4 | 0 | Eternal University, Baru Sahib, India 173101 |
| 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, India 173101 |
| Leveraging the role of the metastatic associated protein Anterior Gradient Homologue | Alsereihi R., Schulten H.J., Bakhshab S., Saini K., AlHejin A.M., | Cancers | 2019 | 4 | 0 | Eternal University, Baru Sahib, India 173101 |

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|---|--|---|------|---|---|--|
| 2 in unfolded protein degradation: A novel therapeutic biomarker for cancer | Hussein D. | | | | | |
| Pyrazole 4carboxylic 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 | Kumari P., Lal M., Kumar | Journal of Advanced D | 2019 | 4 | 0 | Eternal University , Baru |

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|---|--|---|------|---|---|---|
| of structural, dielectric and local piezoelectric properties of KNN ceramics | S., Rai R., Singh A., Karpinsky D.V., Bdikin I. | dielectrics | | | | 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 |
| Regiosel ective 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 substit | Kaur A.K., Bala R., Kumari P., Sood S., Singh K. | Letters in Organic Chemistry | 2019 | 4 | 0 | Eternal University, Baru Sahib, India173101 |

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|---|---|-----------------------------------|------|---|---|--|
| uted cyclohexanone hydrazones: Synthesis of novel 4,5,6,7-tetrahydroindazole derivatives | | | | | | |
| 4-Formylpyrazoles: Applications in organic synthesis | Bala R., Kumari P., Sood S., Singh K. | MiniReviews in Organic Chemistry | 2019 | 4 | 0 | Eternal University, Baru Sahib, India 173101 |
| 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, India 173101 |
| Phthaloyl Dichloride \rightarrow DMF Mediated Synthesis of Benzothiazolebased 4-Formylpyrazole 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, India 173101 |
| 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, India 173101 |

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|---|--|---|------|---|---|--|
| Phthaloyl Dichloride 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, India 173101 |
| 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, India 173101 |
| Effect of Pr ₃ substitution on structural, dielectric, electrical and magnetic properties of BiFe _{0.8} O ₃ Ti _{0.2} [Bi _x Pr _x Fe _{0.80} Ti _{0.20} O ₃ , 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, India 173101 |
| Elicitation of Phenylpropanoids and Expression Analysis of PAL Gene in Suspension Cell | Vyas P., Mukhopadhyay K. | Proceedings of the National Academy of Sciences India Section B Biological Sciences | 2018 | 4 | 0 | Eternal University, Baru Sahib, India 173101 |

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|---|---|---|------|---|---|---|
| Culture of Ocimum tenuiflorum L. | | | | | | |
| 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, India 173101 |
| 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 | 4 | 0 | Eternal University , Baru Sahib, India 173101 |
| Effect of different microwave power applied during microwave assisted radiant heating on the structure, dielectric and | Singh A., Shamim M.K., Sharma S., Rai R. | Journal of Materials Science: Materials in Electronics | 2018 | 4 | 0 | Eternal University , Baru Sahib, India 173101 |

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| electrical properties of Ba _{0.8} Ca _{0.2} TiO ₃ ceramics | | | | | | |
| Identification, expression analysis, and molecular modeling of Irondeficiency specific 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, India 173101 |
| 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, India 173101 |
| Morphometric 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 | 4 | 0 | Eternal University , Baru Sahib, India 173101 |
| Schmidt reaction on substituted lindanones / Nalkylation: Synthesis of benzofused | Arora R., Bala R., Kumari P., Sood S., Yadav A.N., Singh N., Singh K. | Letters in Organic Chemistry | 2018 | 4 | 0 | Eternal University , Baru Sahib, India 173101 |

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| sixmembered ring lactams and their evaluation as antimicrobial agents | | | | | | |
| Impact of elevated temperature and carbon dioxide on insect performance indices of <i>Spodoptera litura</i> Fabricius | Sharma S., Kooner R., Sandhu S.S., Arora R | Journal of Entomological Research | 2018 | 4 | 0 | Eternal University , Baru Sahib, India 173101 |
| 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, India 173101 |
| Mechanistic understanding of lodging in spring wheat (<i>Triticum aestivum</i>): 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, India 173101 |
| 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, India 173101 |
| Investigating | Singh M., | Oriental Journal of | 2018 | 4 | 0 | Eternal University |

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|---|---|-------------------------------|------|---|---|--|
| oxidation of formaldehyde over Co ₃ O ₄ nano catalysts at moderate temperature | Kishore K. | Chemistry | | | | , Baru Sahib, India 173101 |
| Low temperature synthesis of elongated triangular bipyramidal ZnO nano structures 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, India 173101 |
| A novel single ended 9T FinFET sub threshold 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 | 4 | 0 | Eternal University, Baru Sahib, India 173101 |

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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 |

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

| Name of the Consultant(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 |
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3.6 – Extension Activities

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

| Title of the activities | Organising unit/agency/ collaborating agency | Number of teachers participated in such activities | Number of students participated in such activities |
|---|---|--|--|
| 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 WomensDay | 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 |
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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

| Name of the scheme | Organising unit/Agen | Name of the activity | Number of teachers | Number of students |
|--------------------|----------------------|----------------------|--------------------|--------------------|
|--------------------|----------------------|----------------------|--------------------|--------------------|

| | cy/collaborating agency | | participated in such activities | participated in such activities |
|--|--------------------------------------|--|---------------------------------|---------------------------------|
| 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 Professional Development Workshop | Akal Academy, Baru Sahib | Advanced Professional Development Workshop | 2 | 25 |
| Swachhata Pakhwara | Government Organizations | Audit of rain water harvesting | 4 | 0 |
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3.7 – Collaborations

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

| Nature of activity | Participant | Source of financial support | Duration |
|---|---|---------------------------------------|----------|
| 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 Metal 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 |
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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

| Nature of linkage | Title of the linkage | Name of the partnering institution/ industry /research lab with contact details | Duration From | Duration To | Participant |
|--------------------------|---|---|---------------|-------------|-------------|
| Global Classroom Project | Institutional | Drexel University, Philadelphia, 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 | YP Singh and Company | 01/01/2019 | 15/02/2019 | 1 |

| | | | | | |
|------------|---|--|------------|------------|---|
| | Return in YP Singh and Company (Patiala, Punjab) | (Patiala, Punjab) | | | |
| 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 to Gupta Danesh And Associations (Faridkot, Punjab) | Gupta Danesh And Associations (Faridkot, Punjab) | 01/01/2019 | 15/02/2019 | 1 |
| 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 | YP Singh And Company (Patiala, Punjab) | 01/01/2019 | 15/02/2019 | 1 |

| | | | | | |
|------------|---|---|------------|------------|---|
| | Company(Patila, Punjab) | | | | |
| 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 | Webastral Company(Mohali) | 01/01/2019 | 15/02/2019 | 1 |

| | | | | | |
|------------|--|--|------------|------------|---|
| | (Mohali) | | | | |
| 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 | HIMCU Pvt. Ltd. (Rajgarh) | 01/01/2019 | 15/02/2019 | 1 |

| | | | | | |
|----------------------|--|---|------------|------------|---|
| | and pricing strategies in HIMCU Pvt. Ltd. (Rajgarh) | | | | |
| 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 |
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4.2 – Library as a Learning Resource

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

| Name of the ILMS software | Nature of automation (fully or partially) | 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 |
| View File | | | | | | |

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 | Date of launching e- |
|---------------------|--------------------|--------------------------|----------------------|
|---------------------|--------------------|--------------------------|----------------------|

| | | is developed | 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 Jeganathan | Cost Effectiveness | www.akallearning.in | 19/06/2019 |
| Dr. Joseph Jeganathan | Cost Accounting | www.akallearning.in | 21/06/2019 |
| Mrs. Rose Mary | Gene Therapy | www.akallearning.in | 24/09/2018 |
| Ms. Simarjeet Kaur | Overview of Epidemiology | www.akallearning.in | 24/07/2018 |
| Dr. Lekha V | Descriptive Statistics | www.akallearning.in | 24/09/2018 |
| Mrs. Jaswinder Kaur | Introduction to planning Principles of planning | www.akallearning.in | 26/06/2019 |
| Mrs. Anna Bajaj | Supervision | | 26/06/2019 |

No file uploaded.

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

| Type | Total Computers | Computer Lab | Internet | Browsing centers | Computer Centers | Office | Departments | Available Bandwidth (MBPS/GBPS) | Others |
|--------------|-----------------|--------------|----------|------------------|------------------|----------|-------------|---------------------------------|----------|
| Existing | 320 | 10 | 1 | 1 | 1 | 2 | 2 | 35 | 0 |
| Added | 10 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| Total | 330 | 10 | 1 | 1 | 1 | 3 | 3 | 35 | 0 |

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 |
|--|---|
| ICTLAB | https://www.youtube.com/watch?v=TqXs6Kyul3U |

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 |
|--|--|--|--|
| 52.85 | 32.78 | 2 | 0.73 |

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 stateoftheart 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 well-equipped 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 well-equipped 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 |

[View File](#)

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

| Year | Name of the | Number of | Number of | Number of | Number of |
|------|-------------|-----------|-----------|-----------|-----------|
| | | | | | |

| | scheme | benefited students for competitive examination | benefited students by career counseling activities | students who have passed in the comp. exam | 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 |
| View File | | | | | |

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 Akal Academy Fortis MMU Solan KVCH Oracle | 460 | 156 | NIIT Rapid Metro Dowson Technology Knoah solutions Pvt. Ltd. Zeligz Technologies Pvt. Ltd. IT by Design Cl ixlogixTechn ologies Pvt. Ltd. RyatBahra College of Nursing, Mohali Kamakshi Nursing College, Bilaspur Swiss | 242 | 76 |

College of
Nursing
Mohali
AMITY, New

[View File](#)

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

| Year | Number of students enrolling into higher education | Programme graduated from | Depratment graduated from | Name of institution joined | Name of programme admitted to |
|------|--|---------------------------|---|---|---|
| 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. | Panjabi 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 |
| View File | | | | | |

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

| Items | Number of students selected/ qualifying |
|---------------------------|---|
| Any Other | 3 |
| Any Other | 6 |
| View File | |

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 |
| View File | | |

5.3 – Student Participation and Activities

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

| Year | Name of the award/medal | National/ Internaional | Number of awards for Sports | Number of awards for Cultural | Student ID number | Name of the student |
|------|---|------------------------|-----------------------------|-------------------------------|---|---|
| 2019 | Winner V olleyballL akshya2019 inter varsity fest at Baddi (Gold Medal) | National | 1 | 0 | BS17BCM030 BS17BCM015 BS16BCM005 BS16BSEC01 5 BS18BCM017 | 1.Tanisha Thakur 2. Jyotika Thakur 3. Harpreet Kaur Saini 4. Shivani Thakur 5. Ravneet Kaur |
| 2018 | Winner U20 Girls Handball C hampionship | National | 1 | 0 | BS18BSMA 003 | Ms. Malvika |

| | | | | | | |
|-------------------|--|----------|---|---|---|--|
| | (2018) | | | | | |
| 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 |
| No file uploaded. | | | | | | |

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 |
|----------------------------|--|
| 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> |
| Curriculum Development | <p>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.</p> |
| Teaching and Learning | <p>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</p> |
| Examination and Evaluation | <p>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</p> |

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 Development

1. To inspire faculty to bring projects, Honorarium from Institutional funds or 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 sponsorship of industry in promotion of research products of the Institution and from the management development programmes that the Institute conducts.

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

| E-governace area | Details |
|--------------------------|---|
| Planning and Development | 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

Administration

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.

Finance and Accounts

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 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 |
| 2018 | Dr Sapana Thakur | International Conference on Nanostructured Materials and devices (ICNSMD 2018) 17.12.2018 | University of Delhi and Society for Technologically Advanced Materials of India (STAMI) | 15700 |
| 2019 | Dr Sapana Thakur | National conference NIBES2019 (Eternal University, BaroSahib, H.P.) 24.5.2019 | Eternal University, BaroSahib Himachal Pradesh | 2000 |
| 2019 | Dr Neelam Thakur | National conference NIBES2019 (Eternal University, BaroSahib, H.P.) 24.5.2019 | Eternal University, BaroSahib Himachal Pradesh | 2000 |
| No file uploaded. | | | | |

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 | Nil | 28/03/2018 | 28/03/2018 | 70 | 0 |

No file uploaded.

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 |
| No file uploaded. | | | | |

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 |
| No file uploaded. | | |

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 |
| No file uploaded. | | | | | |

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 |
| <p>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.</p> |

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 |
| Rest Rooms | Yes | 0 |
| Scribes for examination | Yes | 1 |
| Special skill development for differently abled students | Yes | 0 |

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 | Improve ment and cultivation of functional food crops | acs | 20 |

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

| |
|---|
| 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 |
| 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. |

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 reion 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 though 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 egovernance and decentralization of administrative work in order to increase the working capability of the administration egovernance 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 econtent 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