

ETERNAL UNIVERSITY

(ESTABLISHED UNDER HIMACHAL PRADESH UNIVERSITY ACT NO.3 OF 2009)

BARU SAHIB HIMACHAL PRADESH



WORLD PEACE THROUGH HUMAN VALUES

2ND ANNUAL REPORT

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PREAMBLE

The great visionary of the 20th century (Sant Attar Singh Ji Maharaj 1866-1927) had a vision that modern scientific education alone will not serve the humanity well, until and unless it is amalgamated with Brahm Vidya (spiritual Education)*. The graduates of this unique education system will not only be outstanding in academics, but also will have high moral values (i.e. they will have love for humanity, compassion for the weak, and sense of selfless service for the community). These graduates will work towards establishing permanent peace in the world. They will act as Ambassadors of Peace wherever they live their lives.

With this vision in mind, Sant Attar Singh Ji Maharaj sent his devotee Principal Teja Singh Ji (1877-1965) (M.A., L.L.B.) abroad in 1906 to get the best possible modern education available then anywhere in the world. Principal Teja Singh Ji went abroad and first studied at Cambridge University (U.K) and then at the world famous Teachers College Columbia University (USA) and finally went to Harvard University and completed his M.A. degree.

On his return, Sant Attar Singh Ji Maharaj gave Principal Teja Singh a “good Grounding” in Brahm Vidya and trained him to carry forward his mission of creating special Breed of Akal Scholars with high moral values. Sant Attar Singh Ji Maharaj also directed Principal Teja Singh Ji to find a “Tapo Bhumi” in Himalayan Mountains where Rishis, Munis and holy men had done Tapasya in the past and gave him (Principal Teja Singh) the visual description of the place-resembling “BARU SAHIB”.

On finding this place (now called Baru Sahib) Sant Teja Singh Ji established the Kalgidhar Trust in 1956 to carry out the mission of Sant Attar Singh Ji Maharaj’s vision. Sant Teja Singh Ji also established a small place of worship at Baru Village and performed “ARDAS to GOD Almighty Waheguru” that an institution of Higher Learning may be granted here (as per vision and wishes of Sant Attar Singh Ji Maharaj). Thus conceptual and Spiritual foundation of Eternal University was laid at Baru Sahib that day.

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- *The concept which is now being adopted by some of the Premier Institutions of Higher learning in the West as well as in India*
 - *He was then the Principal of Khalsa College, Amritsar- A Premiere Institute of higher Education in Punjab. (Principal Teja Singh Ji was considered Highly accomplished Educationist of its time, before even going abroad).*

Before leaving this world Sant Teja Singh Ji designated Shri Iqbal Singh (Baba Ji) (Retired Director of Agriculture from Himachal Pradesh and Current President of the Kalgidhar Trust) to carry forward the Mission. He started AKAL ACADEMY at Baru Sahib (The prelude to Eternal University) in 1986 with 5 students, which has now grown to a formidable strength of approximately 1500 students and 200 of them hail from 16 foreign countries- with 100 students from U.S.A alone. It is 10+2 Residential School.

Akal Academy Baru Sahib also has 62 sister Akal Academies spread over five states (i.e. Himachal Pradesh, Punjab, Haryana, Utter Pradesh and Rajasthan). All these academies are affiliated to the Central Board of Secondary Education (CBSE). The total number of students in these Akal Academies is now around 35,000 and 40% of these students are girls. Approximately 20% of the total students are studying free of cost. These students are either orphans or belong to poor rural families. All these Academies are located in rural areas.

These Academies have established an outstanding academic standard. Additional 111 such academies are also planned for future, again all in the rural areas with future estimated enrolment of more than 1,50,000 students.

The Kalgidhar Trust runs 250 bed Akal Charity Hospital at Baru Sahib. It also runs an Orphanage, a Senior Citizens Home, a Widow Home and a Homeless Women's Home, all of which are located at Baru Sahib and run without any cost to the residents. The Kalgidhar Trust is also engaged in several other welfare projects for women and children in the rural areas.

On July 3rd, 2006 Shri Iqbal Singh (President of the Kalgidhar Trust) did ARDAS to Waheguru for granting Eternal University at Baru Sahib, which is considered equivalent to laying the foundation stone in the worldly sense. This event commemorated the 100th Anniversary of opening the first school for girls at Village Maustana (now District Sangrur, Punjab) in 1906 by Sant Attar Singh Ji Maharaj, 50th Anniversary of establishing The Kalgidhar Trust at Baru Sahib in 1956 by Sant Teja Singh Ji Maharaj, and 20th Anniversary of opening first Akal Academy at Baru Sahib in 1986 by Shri Iqbal Singh (Baba Ji). This, in nutshell, is the historical development of the "Educational Mission" of Sant Attar Singh Ji Maharaj which spans over a century.

The network of 70 Akal Academies, now in operation under this Mission of creating permanent peace in the world through a unique system of education has established itself (in a short period of 20 years) as an outstanding "High Network" in the country with high academic standard, producing exemplary output with vision of " Universal Brotherhood of Mankind" with the meritorious past in education and also by popular demand from the membership, the Kalgidhar Trust has now decided to take this Mission of Education in the form of Eternal University and fulfill the wishes of the great visionary-Sant Attar Singh Ji Maharaj.

The Kalgidhar Trust is totally non-profit organization and Eternal University will be run as non-profit organization as well.

Eternal University:-

Eternal university has been established under the Himachal Pradesh Private Universities Act No.-3 of 2009 by The Kalgidhar Trust.

The University is spread over 450 Acres of land. Approximately 1Lac square meter area has been constructed. It is proposed to establish eleven colleges in the first phase of its development. These are:

- (i) Akal College of Engineering & Technology.
- (ii) Akal College Nursing.
- (iii) Akal College of Health Sciences.
- (iv) Akal College of Arts & Humanities.
- (v) Akal College of Naturopathy.
- (vi) Akal College of Alternative Medicine.
- (vii) Akal College of Pharmaceutical Sciences.
- (viii) Akal College of Divine Music.
- (ix) Akal College of Education.
- (x) Akal School of Physics and Nano Technology.
- (xi) Akal School of Economics.
- (xii) Akal School of Post Graduate Studies.

The Eternal University will offer 125 Academic programmes and a significant number of these will focus on improving the lot of women, farmers and other under privileged people of Himachal Pradesh and neighboring states.

The Eternal University has been established with a Mission to serve the Humanity.

Eternal University is a world class multi – faculty facility located in the rural and backward area, Baru Sahib, District –Sirmour of Himachal Pradesh. The University strives to achieve the following.

- (i) Unique model of value based education.
- (ii) Holistic development of the students through high moral values.
- (iii) International fellowship and Universal Brotherhood of man based on Guru NanaK's philosophy to achieve permanent peace in the world.
- (iv) Scholarship for outstanding students.
- (v) MOU with leading American Universities.
- (vi) Unique University industry Co- operative education program.
- (vii) Opportunity for work – study program for needy students.
- (viii) Fully residential campus for students, staff and faculty
- (ix) Eco friendly, vegetarian diet only.
- (x) Drug free, smoke free and liquor free environment.
- (xi) Outstanding Visiting faculty.
- (xii) National Unity and Communal Harmony.
- (xiii) Justice to weaker sections of society, especially to women and rural poor.
- (xiv) Sustainable development in the State of Himachal Pradesh and India.
- (xv) Excellent placement network with MNCs.

- (xvi) Students enrolled in the academic programs are exposed to a diverse and wide range of Technical and non-technical education and training, which will enable them to develop Intellectual and training skills in their respective fields. The University also provides career counseling and guidance by keeping the students informed about the potential job opportunities and will help them in making prudent decision regarding their future careers. It promotes close linkage and active contact with potential employers, both in National and Multi National Corporation, while involving their executive and faculties, to interact with the students through lectures, seminars, symposia and class room participation. Eternal University also strives to prepare its students to take up the leadership to take up the leadership in developments.

FACULTY LIST

Dr. Manmohan Singh Atwal

Vice-Chancellor

**M.Sc(Hons.)Punjab,
M.Sc (O.S.U), Ph.D (Illinois)
Executive MBA (Columbia),
MPH (Johns Hopkins)**

Sr. No.	Name	Designation	Educational Qualification
1.	Dr. I.S. Hudiara	Dean of Studies	B.E. (Pb) M.Engg. (London), Ph.D. Engg. (Bradford) P.D.F. (University of Surrey, U.K.) MBA Finance F.I.E.T.E., F.I.E
2.	Dr. K.S.Sidhu	Professor(Chemistry) Dean Academic Affairs	Ph.D (Alberta) (Chemistry)
3.	Dr. M.P. Sidhu	Professor English Director Institute of Language & Communication Skills	Ph.D (English)
4.	Dr. N.K.Ralhan	Professor Chemistry	M.Sc, Ph.D. (Chemistry)
5.	Dr M.P.S. Chandraw at	Professor Chemistry	M.Sc, Ph.D. (Chemistry)
6.	Dr.Deepak Pathania	Asst.Prof (Chemistry)	M.Sc., Ph.D. (Chemistry)
7.	Dr.Devinder Singh	Asst. Prof (Physics)	M.Sc., Ph.D. (Physics)
8.	Dr.Kuldeep Chand	Asst. Prof (Physics)	M.Sc, M.Phil, Ph.D. (Physics)
9.	Mr. Raj Kumar Saini	Asst. Prof (EEE)	B.Tech, M.Tech
10.	Dr.Girish Kapoor	Asst. Prof. (Maths)	M.Phil, M.Sc., (Maths) PhD, CSIR Net, Gate
11.	Mr.P.S.C. Gopal	Training and Placement Officer	MBA (Marketing)
12.	Mr.Neeraj Gandotra	Asst. Prof (Maths)	M.Sc, M.Tech. (Maths)
13.	Mr. V. P. Singh	Asst. Prof. (Physics)	M.Sc., M.Tech
14.	Mr.D. K. Sharma	Asst. Prof. (ECE)	B.Tech. M.S.
15.	Mrs. Abhilasha Sharma	Asst. Prof. (ECE)	B.Tech. M.E.
16.	Mr. J. S. Sidhu	Asst. Prof. (CSE)	M.CA, M. Tech
17.	Mr. Rajesh Mohni	Asst. Professor (CSE)	M.Sc, M.Tech
18.	Mr. Tejinder Singh	Asst. Prof. (CSE)	M.CA., M.Tech
19.	Mrs. Aditi Sharma	Asst. Prof. (ECE)	M.Sc, M.Tech

20.	Mr. Sunil Sharma	Asst. Prof(Physics)	M.Sc., M.Phil, UGC Net
21.	Mr. Gaurav Sharma	Lecturer (ME)	B.Tech
22.	Mr. Amit Sharma	Lecturer (CSE)	B.Tech
23.	Ms. Shanu Sood	Lecturer (CSE)	B.Tech
24.	Ms. Shivangi Verma	Lecturer (ECE)	B.Tech
25.	Mr. Rajeev Thakur	Lecturer (ECE)	B.Tech
26.	Mr. Tarun Sharma	Lect. (Lect.ECE)	M.Sc, M.Tech
27.	Mr. Amrinder Singh	Lecturer (ECE)	B.Tech
28.	Mr. S.K. Chandel	Lecturer(EEE)	B.Tech
29	Mr. Gurinder Pal Singh	Lect. CSE	B.Tech, M.Tech(Thesis to be submitted)
30.	Mr. Manpreet Singh	Sports Officer	M.Ped, M.Phill
31	Mrs. Shelly Thakur	Lect. English	M.A (English), M.Phil
32	Mr. Ravi Kant	Lect. CSE	M.C.A
33	Mr. R.S. Sidhu	Lect. CSE	B.Tech, M.Tech(Thesis to be submitted)
34	Mr. Akshay Kumar	Lect. English	M.A.(English), M.Phil
35	Mr. Dhawan Singh Thakur	Lecturer (ECE)	M.Sc.
36	Ms. Nidhi Sharma	Lect. CSE	MCA
37.	Ms. Nidhi Sood	Lect. CSE	MCA
38.	Mr. Ravinder jit Singh	Instructor Workshop	ITI
39.	Mr. Chaman Lal	Instructor Workshop	ITI
40.	Mr. R.K. Thakur	Lab Tech Phy. Lab	M.Sc.
41.	Mrs. Rupinder Kaur Sidhu	Asst. Lecturer (CSE)	M.C.A
42.	Mr. Avinash Sharma	Asst. Lect. CSE	B.Tech
43.	Ms. Charu Sharma	Asst. Lect. ECE	B.Tech
44.	Miss Kavita Saroch	Asst. Lect. ECE	B.Tech
45.	Mr. Rakesh Kumar Sharma	Asst. Lect. CSE	B.Tech

46.	Mr. J.S. Pathania	Research Fellow	M.Sc.
47.	Ms. Jasneet Kaur	Research Scholar	M.Sc.
48.	Ms. Chetna Sharma	Research Scholar (ECE)	B.Tech
49.	Ms. Dharma Devi	Asst. Lect. (ECE)	B.Tech
50.	Mr. Satpreet Singh	Lect (CSE)	B.Tech, M.Tech(Thesis to be submitted)
51.	Mr. Sukhdeep Singh	Lect (Chemistry)	M.Sc.
52.	Mr. Lakhveer Singh	Lect (Chemistry)	M.Sc.
53.	Dr. Ajit Singh	Dean Library and information Science	B.A(Hons), M.A, M.Lib.Sc, D.C.O.P.G.D.D.E,Ph.D
54.	Dr R.S. Bajwa	Registrar	M.A. (Punjabi), M.A. (Persian) PhD
55.	Group Captain(Retd) P.S. Gill	Dean Students Welfare	Master in Management Sciences, Mater in Def. and Statistic Study.
56.	Dr. Neelam Kaur	Professor Dean Faculty of Health	MBBS, MS
57.	Dr. Devinder Singh	Professor Dean Faculty of Education	MBBS, MD
58.	Dr. Harjit Kaur Uppal	Principal,ACN.	M.Sc. Ph.D.
59.	Mrs. Sumathi	Asst. Prof.	M.Sc. (Nursing-Med-Surg.)
60.	Ms. Sutapa Paul	Asst. Prof.	M.Sc. (Nursing-Gynaebst)
61.	Ms. Kaki Selvi	Asst. Prof.	M.Sc. (Nursing-Gynaebst)
62.	Ms. Daljit Kaur	Nursing Tutor	Post Basic (B.Sc. Nursing)
63.	Ms. Hardeep Kaur	Nursing Tutor	B.Sc. (Nursing)
64.	Ms. Simratjit Kaur	NursingTutor	B.Sc. (Nursing)
65.	Ms. Angeline	Nursing Tutor	B.Sc. (Nursing)
66.	Ms. Mini Angel	B.Sc. Nursing	B.Sc. (Nursing)
67.	Ms. Rekha	Clinical Instructor	B.Sc. (Nursing)
68.	Mr. Vimala	Nursing Tutor	B.Sc. (Nursing)
69.	Dr. Purvi Iniyal	Prof. (Devine Music)	Ph.D (Music)
70.	Mr. Parvinder Singh	Lec. (Devine music)	M.A. M.Phil (Music)

71.	Mr. Rashmeet Singh	Lec. (Devine music)	M.A.(Music)
72	Mr. Ashok kumar	Lec. (Devine music)	M.A. M.Phil (Sitar)
73	Mr.Sarbjeeet Singh	Lec. (Devine music)	M.A. M.Phil (Music)
74	Mr. Rishi Ranjan	Lec. (Devine music)	B.A.
75	Mrs. Amandeep Kaur	Lecturer (Env. Science)	M.Sc., Ph.D. (Theses Submitted)
76	Ms. Harpeet Kaur	Lecturer (Public Health)	M.Sc., Ph.D. (Theses Submitted)
77	Mr. Jagmohan Singh	Professor/Registrar	M.E., PGDIM
78	Mrs. Tajinder Kaur	Asst. Professor	M.Sc. (Counseling/Social Work)
79	Dr. Balwant Singh Sekhon	Professor, V.P. Academic Affairs	
80	Dr. Gurbaksh Singh Gill	Professor	Ph.D. (OSU) Value Based Education
81	Dr. Jasbir Singh Arora	Associate Professor	Ph.D. (Chemistry) On Study Leave
82	Dr. Jaskiran Kaur Arora	Associate Professor	Ph.D. (Chemistry) On Study Leave

Visiting Faculty

Sr. No.	Name of the teacher	Designation	Educational qualification
1.	Dr. Lakvinder Singh Saini	Professor	Ph. D. (Bio-Tech)
2.	Dr. G. S. Randhawa	Professor	Ph. D. (Bio-Tech)
3.	Dr. Suraj P. Agarwal	Professor	Ph. D. (Pharmacy)
4.	Dr. S. Ghosh (Thapar)	Professor	Ph. D. (Electrical Engg.)
5.	Dr. Kuljit Singh Sidhu	Professor	Ph. D. (Chemistry)
6.	Dr. G.S. Bhatia	Professor	Ph. D. (Maths)
7.	Dr. Prabhjot Kaur	Asstt. Professor	Ph. D. (Education)
8.	Dr. Surinder Singh	Associate Professor	Ph. D. Moryland U.S.A.
9.	Mr. Kuldeep Singh	Asstt. Professor	M.S. (CSE) WSU USA
10.	Dr. Rakesh K Bajaj	Asst. Prof.	Ph. D. (Mathematics)
11.	Dr. Harpreet Singh	Professor	Ph.D. Engg. (Roorkee) Presently Wayne State University
12.	Dr. Tribchan Singh	Professor	Ph.D. Engg. (Roorkee)
13.	Dr. S.S. Advani	Professor	Ph.D. Engg. (I.I.T. Mumbai)
14.	Dr. Khem Singh Gill	Professor	Ph.D. (California)
15.	Dr. Phil Musgrove	Professor	Ph. D (Health Economics)
16.	Mr. A.S. Oberai	Professor	M.A. (Economics)
17.	Dr. Julka	Professor	M.A. Ph. D. (Economics)
18.	Dr. Gurmail Singh	Professor	M.A. Ph.D (Economics)
19.	Dr. A.S. Dhesi	Professor	M.A., Ph. D. (Economics)
20.	Dr. Swaran Singh	Associate Professor	M.A., Ph. D. (Economics)
21.	Dr. P.S. Grover	Professor (CSE)	Ph.D (CSE) (Delhi)
22.	Dr. H.S. Saini	Professor (CSE)	M.Sc, M.Tech ,Ph.D. (CSE)
23.	Dr. Mohinder S. Puar	Professor (Chemistry)	M.Sc. , Ph.D. (Boston)
24.	Dr. Jill Desstine	Professor(Nursing Education)	M.Sc., D. Ed. (Temple)
25.	Dr. Mary Lon Mc Hugh	Professor(Nursing Education)	M.Sc., D. Ed. (University of Pen.)
26.	Dr. Rameet Singh	Associate Professor (Public Health)	M.D., M.P.H. (Johns Hopkins)
27.	Dr. Satwant Samhhara	Professor Gynecology	M.D. (Michigan)
28.	Dr.S.S. Brar	Professor	Ph.D Clinical Psychology
29.	Linn Grace	Professor	M.D. (Ellions) Public Health

**The following papers have been published by
Eternal University Faculty**

S.No.	Name	List of Publications
1.	Dr. Girish Kapoor	<ol style="list-style-type: none"> 1. R. Sharma. , M. Gupta and G. Kapoor, Some better bounds on the variance with Applications, Journal ofr Mathamitacal Inequalities. Preprint. 2. R. Sharma. ,R.G. Shandil,S. Devi, S.Ram, G. Kapoor and N.S. Bameet, Some bounds on the sample variance in terms of mean and extreme values, Advances in Inequalities from Probability theory and Statics. 3. R. Sharma, S.Devi, G. Kapoor, S.Ram and S. Barneet, A brief note on some bounds connecting lower order moments for random variables defined on a finite interval, International Journal of Theoretical and Applied Sciences, Vol.1 No.2, Pages 183- 185, (2009). India.
2.	Dr. Col. Rajinder Singh	<ol style="list-style-type: none"> 1. Dr. Col. Rajinder Singh Alcholal dependence 2. Dr. J.S. Lamba Drug Addidiction in Punjab. A Survey 3. Dr. Col. Rajinder Singh, Consultant Psychiatrist 4. Dr. Rajinder Singh and Omkar Singh Sprituality and Addiction 5. A country side Experience in Deaddiction ,Dr. Rajinder Singh and Omkar Singh. 6. Role of Spritual Intelligence in the Management and treatment of substance related disorders. Dr. Col. Rajinder Singh & Omkar Singh C.P.AQ.D.A (NISD) 7. Alcoholism practitioner's prespective Dr. Col. Rajinder Singh. 8. Popular misconception about mental disorders Dr. Col. Rajinder Singh. 9. Sleep and Health, Dr. Col. Rajinder Singh. 10. Drug Addiction and Deaddiction Dr. Col. Rajinder Singh.
3.	Tarun Sharma	<ol style="list-style-type: none"> 1. Stimulation and experimental study of along period grating as a retractive index sensor. Umesh Tiwari, Vandana Mishra, M.S. Reddy, Tarun Sharma
4.	Dr. Deepak Pathania	<ol style="list-style-type: none"> 1. Thermal Analysis of Caryota Urens Fiber grafted with Acrylonitrile and Methyl methacrylate, D. Pathania, M. Kumar, S.S. Bhaat. 2. Induction of morphological changes in Hibiscus Sabdaritta Fiber on graft copolymerization with Binary vinyl monomer mixtures. B.S. Kaith, Aashish Chauhan, A.S. Singla and D. Pathania . 3. A review on electrical properties of Fiber reinforced polymer composites D. Pathania & D. Singh 4. A review on electrical properties or Fiber reinforced polymer composites D. Pathania and D. Singh 5. Modified Fly Ash for the removal of some metal Ions from water system D. Pathania and N.C. Kothiyal.

		<ol style="list-style-type: none"> 6. Spectrophotometric detection of Cr (VI) in water samples and Crome liquor with new Reagent. Deepak Pathania, Zia Mahmood Siddiqi 7. Chemical modified back for Cu (II) Sorption from aqueous solution D.Pathania, R.K. Rana and D. Singh 8. Seasonal variation in phsio- chemical parameters and planktons population of fish pond in Jalandhar, Punjab D. Pathania ,M. Sabesam and S. Kumari
5.	Mrs. Abhlisha Sharma	<ol style="list-style-type: none"> 1. Robotics with Artificial intelligence Balwant Singh, R.K. Sharma, Majinder Kaur, Abhilasha Sharma 2. Ultra sonic wind sensor- An Overview R.K. Sharma, Majinder Kaur, Abhilasha Sharma 3. Electrical properties of Natural Fiber graft Co- polymer reinforced phenol Formaldehyde composites D. Pathania, D. Singh, D Sharma 4. Emerging wireless Technologies Dileep Kumar Sharma, Abhilasha Sharma 5. Embedded System Application an overview- Akhil Mahajan, Vipasha, Vikrant Nadda, Dileep Sharma, Abhilasha Sharma.
6.	Mr. Dileep Sharma	<ol style="list-style-type: none"> 1. Electrical properties of Natural Fiber graft Co- polymer reinforced phenol Formaldehyde composites D.Pathania, D. Singh, D Sharma 2. Emerging wireless Technologies Dileep Kumar Sharma, Abhilasha Sharma 3. Embedded System Application an overview- Vipasha, Vikrant Nadda, Dileep Sharma, Abhilasha Sharma
7.	Mrs. Aditi Sharma	<ol style="list-style-type: none"> 1. Aditi Sharma and G Singh, "Single pin shorted ultra-broadband rectangular microstrip patch antenna for THz communication," Int. J. Microwave and Optical Technology, vol. 5, no. 1, Jan. 2009. 2. Aditi Sharma and G Singh, "Design of short-range ultra-broadband rectangular microstrip patch antenna for THz communications", Int. J. of Computer and System Engineering, vol. 1, no. 2, pp. Dec 2008. 3. Aditi Sharma and G Singh, Rectangular patch antenna design at THz frequency for short distance communication systems," J. of Infrared, Millimeter and Terahertz Waves, vol. 30, no. 1, pp. 1-7, Jan. 2009. 4. A Sharma and G Singh, "Design of single pin shorted three-dielectric layered substrates rectangular patch antenna for communication systems," Progress In Electromagnetic Research letters, vol. 2, pp.157165,2008.

5. Aditi Sharma and G Singh, "Concept of surface plasmons for development of nanoscale optical antennas", Proc. Int. Conf. on Microwave and Optoelectronics (ICMO 2007), pp. 228-236, Dec. 17-20, 2007, Aurangabad, India.
6. Aditi Sharma, Vivek K Dwivedi and G Singh, "(THz Rectangular Patch Microstrip Antenna Design Using Photonic Crystal as Substrate," Proc. Progress In Electromagnetic Research Symposium, PIER 2008, pp. 161165, July 2-6, 2008, Cambridge, USA.
7. A Sharma, G Singh and D S Chauhan, "Design considerations to improve the performance of a rectangular microstrip patch antenna at THz . frequency", Proc. 33rd International Conference on Infrared, Millimeter, and Terahertz Waves, is-19th Sept. 2008, pp. 1-2, California Institute of Technology Pasadena, California

Students Strength

The following is the strength of students in different colleges at present

1. Akal College of Engineering & Technology	622
2. Akal College of Nursing	80
3. Akal College of Economics	13
4. Akal College of Divine Music	10
5. Akal College of Arts & Humanities	41
<u>6. Akal School of Post Graduate Studies</u>	<u>20</u>
Total	786

The University will make admission to the following Courses for the academic session 2010-2011.

1. B. Tech. (ECE). *
2. B. Tech. (CSE). *
3. B.Sc. (Hon's). Economics. *
4. B.Sc. Nursing. *
5. B.A. Arts and Humanities. *
6. B.A. Divine Music. *
7. M. Tech. (ECE) Part time. /Full time.
8. M. Tech. (CSE) Part time. /Full time.
9. M.B.A. (Finance, Human Resource, Marketing).
- 10.M.Sc. Physics. Part time. /Full time.
- 11.M. Tech. Nano Science Technology.
- 12.M.Sc. Chemistry. Part time. /Full time.
- 13.Ph.D. Electronics.
- 14.Ph.D. Computer Science & Engineering.
- 15.Ph.D. Chemistry.
- 16.Ph.D. Physics.
- 17.Ph.D. Management.
- 18.M.P.H Master of Public Health Part time. /Full time.
- 19.Ph.D. Public Health

*** Girls only**

Infrastructure: - The following Labs of ECE and EEE have been set up at a cost of about Rs. 26 Lacs.

List of ECE Department Labs

1. Analog Communication Lab.
2. Digital Communication Lab.
3. Control System Lab.
4. Circuit & System Lab.
5. Digital Circuit & Systems Lab.
6. Electronic Measurement & Measuring Instruments Lab.
7. Electronic Design Lab.
8. 8085 Microprocessor Lab.
9. 8086 Microprocessor, Microcontroller & PLC Lab.
10. Analog electronics Lab.
11. Power Electronics Lab.
12. Basic Electronics Lab.
13. Basic Electrical Lab.
14. Electrical Machine – 1 Lab.
15. Electrical Machine-2 Lab.
16. Transmission & Distribution Lab.
17. Switchgear & Protection Lab.

List of CSE & IT Department Labs

- | | |
|-------------------------------|--------------------------|
| 1. Software engineering Lab. | 2. Operating System Lab. |
| 3. Hardware & Networking Lab. | 4. Programming Lab.-I |
| 5. RDBMS- Lab. | 6. Internet Lab. |

List of Servers.

- | | |
|----------------------|-------------------------------------|
| 1. ISA Server. | 2. Exchange Server. |
| 3. Elearning server. | 4. E-Granthalya Server for Library. |
| 5. MS-SQL Server. | 6. DNS Server. |

These servers are on windows server 2003/2008.

Servers are maintained on IBM (Xeon) Server (Dual processor)

The University computer centre and computer Laboratories for computer science and IT department have been set up at a cost of about Rs.70 Lacs this includes the required softwares.

List of Softwares.

1. Campus is packed with genuine MS Volume License agreement.
2. Adobe Photoshop CS4
3. Adobe flash CS4.
4. Borland Turbo C++ Suit.
5. Steller recovery software Configuration of computers in Laboratories.
1. HCL Machines Dual /Core Microprocessors with 1GB Ram.
2. IBM Machines Dual/Core Microprocessor with 1GB Ram.

The Following workshops have been set up.

1. Machine Shop.
2. Welding Shop.
3. Carpentry Shop.
4. Smithy Shop.
5. Fitting Shop.
6. Foundry shop.

The Mechanical workshops have been set up at a cost of Rs. 16 Lacs.

1. Nano-Science Technology Lab

As it is proposed to start M.Tech in Nano Science Technology from the next academic session the necessary equipment for practicals and Research projects has been purchased at a cost of Rs. 6.0 Lacs. Two research students are working for Ph.D on Nano-Ferrites.

2. Postgraduate chemistry Lab.

Postgraduate chemistry Lab has been set up and two research scholars are working on research projects leading to the award of Ph.D degree.

3. Postgraduate Electronics and communication Engineering Lab.

Postgraduate Electronics and communication Engineering Lab has been set up and 3 research students are working on research projects leading the award of Ph.D degree.

4. Buildings

Another block of Eternal University is under construction. The carpet area will be about 15,000 Sqm. This building will be completed by end of June 2010.

5. Staff Flats

Ten 2-bed room flats for faculty are under construction in village Machher, 2 Km from the University campus. It is expected that these will be ready by the end of June for occupation by the Faculty.

International Conference

An International Conference was organized by Eternal University Baru Sahib(H.P.) from 19-21 December,2009 & IET Biotechnology Institute M.I.A, Alwar (Raj), Which was sponsored by INSCHEM, Lucknow Department of Science and Technology, Jaipur & Sunrise Integrated Educational Trust, Alwar.

The following two International Conferences will be organized in July/October2010

1. Advances in Electronics and Computer Science & Engineering
2. Frontier Fields of Foundation Technology and Entrepreneurial Trends.

REPORTS SUBMITTED TO UGC & AICTE

Sr. No.	Report
1.	University Grant Commission (For 1 ST inspection of the University February 1 st 2010)
2.	All India council of Technical Education for Extension of Approval for the year 2010-2011
3.	Fee structure proposal for the year 2010-2011. Submitted to H.P. Govt. , Shimla

NEW COURSES STARTED IN 2009-2010

The following new courses have been started:

1. M.Tech. (ECE)

M.Tech (CSE)

2. Ph.D (ECE)

Ph.D. (CSE)

3. Ph.D Chemistry

4. Ph.D Physics and Nano Technology

Ph.D Entrance Test:

As per UGC guide lines Ph.D. Entrance test was conducted on 24th January 2010, 28 candidates appeared in the Entrance Test for admission to Ph.D. in Electrical Engineering, Electronics & Communication Engineering, Computer Science & Engineering, Physics and Chemistry. 7 candidates have been enrolled for Ph.D. degree in different fields.

Extra –Curricular Activities

Twenty students of Engineering College participated in the Technical Festival held at Hamirpur (H.P) from 11th to 15th March, 2010. Our team won First Prize for the Technical Project “RUN YOUR CAR ON WATER” our team also won 3rd Prize for the Project “SOLAR DIYA” Solar Lamp.

Our students also participated in the Tech-Fest held at Baddi University. Mr. Pankaj Dhiman won First Prize in on the spot Electronic Circuit Design competition.

The college Football team also participated in the Inter-University Football tournament held at Chitkara University.

THE FOLLOWING CLUBS HAVE BEEN ESTABLISHED AT THE ETERNAL UNIVERSITY

Eternal Technocrat Club

Eternal technocrat club was inaugurated on 07/04/2010 by Honorable Baba Iqbal Singh Ji. The worthy Vice Chancellor and Faculty and members of technocrat club were also present. This was followed by holly discourse by Honorable Baba ji and interaction with members of the club. The club is established with the aim of promoting culture of innovations and adaptation to latest technology. The following other clubs have also been formed.

1. Robot Club
2. Eternal English Literary Club
3. Solar Energy Club
4. Athletic Club
5. Debate Club

Robot Club:-

It is organised with the help of a Delhi firm and the students are encouraged to develop their own robot projects.

Eternal English Literary Club:-

The club organises Literary competitions. It organised a poem recitation competition on 11th March 2010. Nineteen students recited poems most of them were self composed. Prizes were given to the winners.

Solar Energy Club:-

It works under the guidance of Professor M.P. Singh and it has developed solar tracker to enhance the conversion efficiency of Photovoltaic Solar system.

Athletic Club:-

The Sports Officer looks after the club. Prizes are given to the athletes who win the athletics meet.

Debate Club:-

The club is organised by the Training and Placement Officer of the University. He organises frequent debates on different topics to improve the communication skills of the students.

Library Facilities:-

At present there are more than 16,000 books in the library. The University subscribes to about 54 International and National Journals. There are Internet Terminals in the Library for on – line searching. The university has spent Rs. 33 Lacs on books and 1.50lacs on Journals so far.

Extra Curricular Activities of Akal College of Nursing

A group of 33 B.Sc 2nd year Nursing students have started clinical training from 3rd Feb.2010 IVY Hospital sector 70-S.A.S Nagar. These nursing students will be posted in the following departments for training

1. ICU
2. General Ward
3. Private Ward
4. Radiology
5. Cardiology
6. Dialysis
7. Operation Theater
8. Emergency Unit
9. Chemotherapy Unit

Visit to Amritsar

Forty eighty students of B.Sc Nursing first year went on a 3 day trip to Amritsar , they visited Harimandir Sahib, Jallianwala Bagh , Wagha Border , Science City Kapurthala

SPORTS

Eternal University provides adequate infrastructure for sports. The students are provided all the facilities to maintain Physical Fitness. A special care is taken for the personality development during these activities in campus

The Facilities are provided for the following games.

OUTDOOR GAMES

1. Cricket
2. Basketball
3. Volleyball
4. Track field Athletics(Indoor Games)
5. Football Flood lit ground(100X 60 mtr)

INDOOR GAMES

6. Badminton Hall
7. Table Tennis
8. Lawn Tennis
9. Gymnasium- We ensure that the student take proper care of their health to support this we have a Gymnasium at the campus. It is equipped with all the exercise equipments.

SPORTS

The following sports events were held at the University

1. Badminton Championship (Boys)
(Date 13th September,2009 to 18th September,2009)

2. Eternal Cricket League
(Date 18th January,2010 to 29th January,2010)

3. Eternal table tennis tournament
(Date 22nd January,2010 to 24th January,2010)

4. Our Team participated in 1st Basket ball
Championship Organised by Chitkara University
(Date 6th March,2010 to 8th March, 2010)

Students Welfare Schemes

Work study program

In order to help financially needy students and improve the quality of intake of Eternal University Admission, it is decided that a number of deserving students be provided with the opportunity of doing part-time jobs, either within the University (i. e Library, Laboratories, etc) or in the Baru Sahib Campus.

University Industry co- operative study program

- Academic Scholarships and Awards
- University Committee Service Scheme
- Students Training Placement Service
- Finishing School for senior students
- Teaching Research Assistantship
- Students counseling service
- Students Mentorship Programs
- Integrated Degree Programs
- Trimester system
- Inter University study Programs
- Special Projects fellowships