

# ETERNAL UNIVERSITY

(ESTABLISHED UNDER HIMACHAL PRADESH GOVERNMENT ACT NO. 3 of 2009)

## BARU SAHIB HIMACHAL PRADESH



WORLD PEACE THROUGH HUMAN VALUES

## 5<sup>th</sup> ANNUAL REPORT 2012-2013

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## **1. PEEPING INTO PAST: ABOUT US**

“If we could first know, where we are and wither we are tending we could better judge. What to do and how to do”.

**- Abraham Lincon.**

# PEEPING INTO PAST

The Great Visionary of the 20<sup>th</sup> 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 Vidaya, the Graduates of this 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 of the community). These students will work towards establishing Permanent Peace in the World. They will act as Ambassadors of Peace wherever they lead 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. A.M Harvard, USA) 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 of 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 Vidaya and trained him to carry forward his vision of creating special breed of Students 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 Original Kalgidhar Trust in 1956 to carry out the Mission of Sant Attar Singh Ji Maharaj. Sant Teja Singh Ji also established a small place of Worship at Baru village and performed ARDAS to GOD “Amighty Waheguru” that an Institution of Higher Learning may be granted here (as per vision and wishes of Sant Attar Singh Ji Maharaj). Thus the Conceptual and Spiritual Foundation of Akal Academies and Eternal University was laid at Baru Sahib on that day for imparting \*Value-Based Education.

*\* 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 Educationalist of his 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 and Society) 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 129 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 50,000 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.

The Kalgidhar Trust runs 200 beds Akal Charitable 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 are 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 of Punjab and Himachal Pradesh.

On July 3<sup>rd</sup>, 2006 Sh. Iqbal Singh (President of the Kalgidhar Trust performed 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 100<sup>th</sup> Anniversary of opening the First School for Girls at Village Mastuana (now in District Sangrur, Punjab) in 1906 by Sant Attar Singh Ji Maharaj, 50<sup>th</sup> Anniversary of establishing the original Kalgidhar Trust at Baru Sahib in 1956 by Sant Teja Singh (Maharaj Ji). This, in a nutshell, is the Historical Development of the "Education Mission" of Sant Attar Singh Ji Maharaj which spans over a century.

The network of 129 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 "Network" with High Academic Standards and producing Exemplary Students with vision of "Universal Brotherhood of Mankind"

With this meritorious past in education and also by popular demand the Kalgidhar Trust has now decided to take this Mission of Value-Based Education to the next level and approach the state of Punjab to grant it a Charter of

Private University (AKAL UNIVERSITY at Talwandi Sabo, Distt. Bathinda Punjab), thus enabling the Kalgidhar Trust to expand on the mission and fulfill the wishes of the Great Visionary Sant Attar Singh Ji Maharaj.

The Kalgidhar Trust is a totally Non-Profit Organization and Akal University will be run as a Non-Profit Organization as well. Shri Iqbal Singh (Baba Ji), M.Sc., Former Director Agriculture, H.P., India. Is the president of the Kalgidhar Trust and Society. Dr. Manmohan Singh Atwal Ph.D was the Founder Vice Chancellor of the Eternal University from its establishment April, 29, 2008 to July 31, 2013.

## 2. ETERNAL UNIVERSITY

“The secret of our cultural development has been research, pushing back the areas of ignorance by discovering new truth, which in turn, led to better ways of doing things and new better products”.

- **John W. Best.**

# **ETERNAL UNIVERSITY, BARU SAHIB**

Eternal University has been established under the Himachal Pradesh Private Universities Act No. 3 of 2009 by the Kalgidhar Trust. The University is Sharing over four hundred fifty acres of land with their institutions of the Kalgidhar Trust and Society.

It aims at developing young people to cultivate a mind imbued with a spirit of enquiry, thirst for knowledge, respect for diverse world culture and a keen desire to serve the community in which they live and work as well as aspire to serve humanity at large through their spiritual values and knowledge acquired through modern educational avenues.

One Lac square meter area has been constructed. Following Institutions have already been established under the Eternal University: -

- Akal College of Engg. and Technology
- Akal College of Nursing
- Akal College of Arts and Sciences
- Akal School of Public health
- Akal College of Naturopathy
- Akal College of Divine Music and Spiritualism
- Akal School of Business Management and Administration
- Akal College of Education
- Akal School of Physics
- Akal School of Chemistry
- Akal School of Economics
- Akal School of Psychology
- Akal School of Renewable Energy
- Akal School of Food Technology and Nutrition
- Akal School of Biotechnology

Another Private University “Akal University” is being established at Talwandi Sabo, Distt. Bhatinda (Punjab) for which letter of intent has already been issued by the Punjab Government and the required of building is under construction.

## **OBJECTIVES OF THE UNIVERSITY**

- (a) To provide instructions, teaching and training in higher education with a view to create higher levels of intellectual abilities;
- (b) To establish facilities for Education and Training;
- (c) To carry out Teaching, Research and offer Continuing Education Programmes;
- (d) To create Centres of Excellence for Research and Development relevant to the needs of the State and for sharing Knowledge and its Applications;
- (e) To establish Examination Centres;
- (f) To institute degrees, Diploma, Certificates and other academic distinctions on the basis of Examination or such other methods, while doing so, the University shall ensure that the Standards of Degrees, diplomas, certificates and other academic distinctions are better than those laid down by the Regulating Bodies.

## **FUNCTIONS OF THE UNIVERSITY**

- (i) To provide Instructions in such branches of Learning as the University may, from time to time, determine, and to make provisions for research and for Advancement and Dissemination of Knowledge and for Extension of Education;
- (ii) To conduct Innovative Experiments by Modern Methods and Technologies in the field of Technical Education in order to maintain International Standards of such Education, Training and Research;
- (iii) To Organise and to undertake Extra-mural Teaching and Extension of services.
- (iv) To hold Examinations and grant Diplomas and Certificates to and confer Degree and other Academic Distinctions on persons, subject to recognition by any statutory body under any Law, if required, to withdraw any such Diplomas, Certificates, Degrees or other Academic Distinctions for good and sufficient cause;
- (v) To create such Teaching, Administrative and other Posts as the University may deem necessary, from time to time, and make Appointments thereto.

- (vi) To institute and award Fellowships, Studentships and Prizes;
- (vii) To establish, maintain, supervise and control Hostels including Halls not maintained by the University and other accommodation for the residence of the students.
- (viii) To regulate and enforce Discipline among Students and Employees of the University and to take such disciplinary measures as may be deemed necessary.
- (ix) To make arrangements for Promoting Health and General Welfare of the Students and the Employees of the University or its Colleges.
- (x) To determine the criteria of Admissions into the University or its Colleges.
- (xi) To recognize for any purpose, either in whole or in part, any institution or members or students therefore on such terms and conditions as may from time to time, be specified and to withdraw such recognition.
- (xii) To develop and maintain twinning arrangement with Centres of Excellence in modern advanced technology in the developed countries for higher education training and research subject to the University Grants Commission Act and the Regulations made thereunder.
- (xiii) To co-operate with any other University, Authority Or Association or any Public Body having Purposes and Objectives similar to those of the University for such purposes as may be agreed upon, on such Terms and Conditions as may, from time to time, be specified by the University.
- (xiv) To co-operate with other National and International Institutions in the conduct of Research And Higher Education subject to the University Grants Commission Act and the Regulations made thereunder.
- (xv) To deal with Property belonging to or vested in the University in any manner which is considered necessary for Promoting the Objectives of the University?
- (xvi) To enter into any agreement for the Incorporation in the University of any Institution and for taking over its Rights Properties and Liabilities and for any other purpose not repugnant to this Act.
- (xvii) To demand and receive payment of such fees and other charges as may be specified from time to time.
- (xviii) To receive Donations And Grants except from students/parents and to acquire, hold, manage and dispose of any property, movable or immovable, including trust or endowed property within or outside Himachal Pradesh for

the purposes and objectives of the University, and to invest funds in such manner as the University thinks fit.

(xix) To make provisions for Research and Advisory services and for that purposes to enter into arrangements with other Institutions or Bodies as the University may deem necessary.

(xx) To provide for the Printing, Reproduction and Publication of Research and other work, including Text Books, which may be issued by the University?

(xxi) To accord Recognition to Institutions and Examinations for Admission into the University.

(xxii) To do all such other things as may be necessary, incidental or conducive to the attainment of all or any of the Objectives of the University.

(xxiii) To frame Statutes, Ordinances and Regulations for carrying out the objectives of the University in accordance with the provisions of the Act.

(xxiv) To provide for Dual Degrees, Diplomas or Certificates vis-à-vis other Universities on reciprocal basis within and outside the Country.

(xxv) To make provisions for Integrated Courses in Different Disciplines in the Educational Programmes of the University.

(xxvi) To setup Colleges, Institutions as per the Instructions issued by the State Government, Regulatory Bodies, Central Government and University Grants Commission from time to time.

(xxvii) To seek Collaborations with other Institutions on Mutually Acceptable Terms and Conditions.

## **SPECIAL FEATURES OF THE UNIVERSITY**

1. Unique model of Value Based Education.
2. Holistic Development of the Students through High Moral Values.
3. International Fellowship and Universal Brotherhood of Mankind based on Guru Nanak's Philosophy to achieve Permanent Peace in the World.
4. Scholarship for Outstanding Students.
5. MOU with leading American Universities, other Foreign Universities and National Institutions.
6. Unique University Industry Cooperative Education Program.

- 7.** Opportunity for Work – Study Program for needy students.
- 8.** Fully Residential Campus for Students, Staff and Faculty
- 9.** Eco-friendly, Vegetarian Diet only.
- 10.** Drug free, smoke free and liquor free environment
- 11.** Outstanding Visiting Faculty.
- 12.** National Unity and Communal Harmony.
- 13.** Justice to weaker sections of society, especially to Women and Rural Poor.
- 14.** Sustainable Development in the State of Himachal Pradesh and India.
- 15.** Excellent Placement Network with MNCs.
- 16.** 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 Counselling 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, Workshops Seminars, Symposia and Class Room Participation. Eternal University also strives to prepare its Students to take up the Leadership positions at National & International Scenes.

## **2.1. ORGANS OF ETERNAL UNIVERSITY**

“To improve teaching is to improve the school, to improve the school is to strength the next generation, to strength the next generation is a social duty of the first magnitude”.

- **Abraham Lincon.**

# **AKAL COLEGE OF ENGINEERING & TECHNOLOGY**

## **DEPAREMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

### **1. Introduction**

The Department of Electronics & Communication was established in 2007 in Akal College of Engineering & Technology by the Kalgidhar Trust. It aims at providing value based latest scientific and technical education for achieving the highest level of professional competency to the students as per demand of Modern Industries that makes their placement anywhere in the world easy. It also strives to inculcate disciplined living, honesty, integrity, high moral character and hard work so that these students may become good human beings and asset to the nation. The Department of Electronics & Communication is committed to produce world class technocrats who have balanced personalities with high character and disciplined Life.

### **Degree to be awarded: B.Tech. and M.Tech.**

1. B.Tech. in Electronics & communication Engineering (ECE)
2. M.Tech. in Electronics & communication Engineering (ECE)

### **Strength of students in 2012 (B.TECH.ECE):**

<b>2009 Batch</b>	<b>2010 B atch</b>	<b>2011 Batch</b>	<b>2012 Batch</b>
<b>113</b>	<b>44</b>	<b>35</b>	<b>15</b>

### **2. Academic excellence:**

**A.** The department is running M.Tech. . in Electronics & communication Engineering (ECE) program successfully.

#### **B. Workshop:**

A workshop on Android was held in December 2012 by i3indya Technologies Pvt. Ltd., G-85, Vikas Marg Preet Vihar, New Delhi - 110092 (Opposite Metro Pillar No. 97). The students were very active and enthusiastic during and after the workshop as they could get benefit of this workshop for getting the placements in the companies which are working in the field of Android.

### C. Industrial readiness program:

A workshop-“Industrial readiness program” was conducted from 25 January to 27 January to ECE students on Java & personality development by Mr. Harjeet Singh –IT Consultant Pyramid Computers, Mr. Harmeet Singh -IT Specialist from Orange, Ms. Pushpinder Kaur-IT Consultant from IMS,Prabhpreet Singh-Specialist from Nokia Siemens network ,Ms. Samneet Kaur -Manager , Oracle Corporation and Inderpal Singh -Developer from Aricent .The Students gained through enhanced awareness , confidence , technical skills , behavioral skills from this program.The students were given live projects & all this enables them greater ability to adapt & perform in the corporate environment

### 3. Faculty members:

The department has 12 faculty members as mentioned below:

Name	Designation	
Sl. No	Name	Designation
1	Dr. I.S. Hudiara	Professor
2	Mr. Dileep Kumar Sharma	Assistant Professor
3	Ms. Abhilasha Sharma	Assistant Professor
4	Mrs. Aditi Sharma	Assistant Professor
5	Mr. Bhuvneshwar Sharma	Assistant Professor
6	Mr. Sukhbir Singh	Assistant Professor
7	Ms. Charanjeet Kaur	Assistant Professor
8	Ms. Sandeep Kaur	Assistant Professor
9	Ms. Pameet Kaur	Assistant Professor
10	Mr. Rajeev Thakur	Lecturer
11	Mr. Dhawan Singh	Lecturer
12	Ms. Charu Sharma	Part time Lecturer
13	Ms. Kavita Saroch	Part time Lecturer
14	Ms. Dharma Devi	Part time Lecturer

### 4. Conferences:

All the faculty of ECE actively participated in International conference on renewable energy, 5-6 May, 2012 at Eternal University , Baru Sahib.

### 5. Achievements:

**A. Techfest:** Following students of Akal College of Engineering and Technology won cash prizes in Tech-fest (“Techlone Fest”) at Chitkara University , Barotiwala , Solan .H.P. held on 19-20 October 2012:

Ms. Anupama Thakur of B.Tech. ECE 3<sup>rd</sup> year participated in Model-O-Mania an Open hardware Technical event .Her project was Robotic Missile Launcher with wireless camera. She stood first in the event and won cash prize of Rs. 5000/-.

Ms. Harman Kaur of B.Tech. ECE 2<sup>nd</sup> year participated in a Cultural event . She stood Ist in the event and won cash prize of Rs. 1000/-.

#### **B. Research papers published in Journals:**

- a) Verma, Kuldeep Chand, Sharma, Dileep , Sharma, Abhilasha, Kotnala, R.K.(2012), “structural, Magnetic, optical and dielectric properties of  $Ti_{0.97}CO_{0.03}O_2$  and  $Ti_{0.97}FE_{0.03}O_2$  nanoparticles and CO-doped with Ce , *Physica Scripta*.
- b) Saroch, Kavita (2012), Automatic vehicle identification by using image processing technology, *Network (IRNet)*,.
- c) Saroch, Kavita, Sharma, Abhilasha (2013), “FPGA machine based system login security lock by using finite state”, *IOSR Journal of electronics and Communication engineering(IOSR-JECE)* ISSN-2278-8735,5:issue 3:70-75.
- d) Dhiman, Jagat, Singh, Sukhbir, Sharma, Bhubneshwar (2013), ‘Determination and Analysis of Bit Error Rate using Theoretical, Semi-Analytic and Monte-Carlo Simulation Method’ , *International Journal of Advanced Research in Computer Science and Software Engineering*, 3: Issue 2, February, ISSN: 2277 128X.
- e) Sharma, Abhishek, Singh, Sukhvir, Sharma, Bhubneshwar (2013), ‘Dispersion Compensation in Optical Communication - A Review’, *International Journal of Computers & Technology*, 4: No. 3, March, ISSN 2277-3061.
- f) Sharma, Charu, Singh, Sukhvir, Sharma, Bhubneshwar (2013), ‘Free Space Optics: A Last Mile Technology (Review)’ *International Journal of Engineering Research & Technology (IJERT)*, ISSN: 2278-0181, 2: Issue 3, March.
- g) Sharma, Bhubneshwar , Sharma, Abhishek (2012) ,‘Design and Analysis of 2-D Wavelet Based GUI Image Fusion System Approach for Restoring Image by Performing Wavelet Decomposition’ *International Journal of Advanced Research in Computer Science and Software Engineering* ISSN: 2277 128X,October.

- h) Sharma, Bhubneshwar , Pathania, Arun (2012), ‘Approach for finding residual of image with the help of 2-D wavelet Compression system in order to display level of tendency and dispersion’ *International Journal of Science, Engineering and Technology Research (IJSETR)* ,1: Issue 5, November. ISSN: 2278 – 7798.
- i) Sharma, Bhubneshwar (2012), ‘New Era of Power Efficient Back- Off Algorithm Trend in Wireless Sensor Networks’ , *International Journal of Electronics & Data Communication*, 1: No. 1, May, ,ISSN 2278-5620.
- j) Sharma, Bhubneshwar, Dhiman, Jagat (2013), ‘Analysis of Rejection of Step Disturbance Using Lqg Synthesis Method with Compensator C to Find Poles and Zeros in case of Niguist Plot Criteria’, *International Journal of scientific research*, ISSN 2277- 8179, 2: issue1,January.
- k) Sharma, Bhubneshwar (2012), ‘Application of Neural Network for Artificial Intelligence’ , *International Journal of Electronics & Data Communication*, 1 :No. 1, May, ISSN 2278-5620.
- l) Sharma, Bhubneshwar, Pathania, Arun (2012), ‘Chebychev method of Clustering for multi-signal analysis of 1-d wavelet after decomposition through centroid linkage using bior wavelet for synthesizing enhanced signal 2 from cluster1’ *International Journal of Scientific Research in Computer Science Applications and Management Studies*, ISSN 2319 – 1953, 1: Issue 3,November.
- m) Sharma, Bhubneshwar (2012), ‘New Technique of Computing Habitats in Wireless Sensor Networks,’ *International Journal of Electronics & Data Communication*, 1: No. 1, May, ISSN 2278-5620.
- n) Sharma, Bhubneshwar, Dhiman, Jagat (2012), ‘Comparison of dynamic parameters for compensator –c using internal mode control tuning and loop shaping in case of Bode plot’ , *International journal of advanced scientific and technical research* 6: issue2, December.
- o) Sharma, Bhubneshwar , Sharma, Abhishek (2012), ‘**Finding Increment Statistics on various types of Wavelets under 1-D Fractional Brownian Motion Synthesis**’ *International Journal of Science and Research (IJSR)*, India Online ISSN: 2319-7064,December.

### **C. International conferences:**

- a) Sharma, Chetna , Thakur, Rajiv , Sharma, Abhilasha , Sharma, Dileep “Effect of Environment on Performance of Solar Cells (2012), “ *By In International Conference On Re-Newable Energy At Eternal University , Baru Sahib , H.P. On 5-6 May 2012.*
- b) Thakur, Dhawan S., Sharma, Aditi (2012), “Wireless Solar Irradiance Meter” *International Conference On Renewable Energy,5<sup>th</sup>-6<sup>th</sup> May., 2012, Eternal University, H.P., INDIA*
- c) Devi, Dharma,(2012), Impact of Power Electronics on Renewable Energy & Global Warming Problem, *International Conference on Renewable Energy at Eternal University Baru Sahib on 6-7 May.*
- d) Saroch Kavita, Sharma, Charu (2012), “Resourses of Renewable Energy and Their Impact In Himachal Pradesh” , *International conference on renewable energy, 5-6 May.*

### **D. M.Tech. Thesis:**

- a) Thakur, Rajeev: Bit error rate performance evaluation of free space optical system based on RZ pulse format in different conditions of rainfall.
- b) Thakur, Dhawan Singh : Low cost design & monitoring of automatic irrigation system based on wireless Zigbee technology.
- c) Pariha, Tarun : A Comparative study of Carbon nanotube with Copper as a VLSI Interconnect.
- d) Devi, Dharma : Designing of Telecom network and planning of traffic channels for GSM.
- e) Saroch, Kavita: Implementation of Library management system with security lock on FPGA using finite state machine.
- f) Sharma , Charu: BER performance evaluation of 8 and 16 channels free space optics system using semi conductor optical amplifier as preamplifier in intersatellite and rain environment
- g) **Sharma, Chetna:** Optical trapping electrophoresis of conjugated micro-particles for bio-molecule detection.
- h) Sharma, Abhishek : Comparision of dispersion compensation with Braggs grating at transmitter & receiver end of a single channel optical communication.
- i) Singh, Charanjeet: Security system using FPGA implementation in VHDL.

# **AKAL COLEGE OF ENGINEERING & TECHNOLOGY**

## **DEPAREMENT OF COMPUTRE SCIENCE AND ENGINEERING**

### **1. Introduction**

The Akal College of Engineering & Technology was established in 2007 by the Kalgidhar Trust. The College aims at providing value based latest scientific and technical education for achieving the highest level of professional competency to the students as per demand of Modern Industries that makes their placement anywhere in the world easy. The College also strives to inculcate disciplined living, honesty, integrity, high moral character and hard work so that these students may become good human beings and asset to the nation. The Akal College of Engineering & Technology is committed to produce world class technocrats who have balanced personalities with high character and disciplined Life.

#### **Degree to be awarded: B.Tech. and M.Tech.**

1. B.Tech. ( CSE)
2. M.Tech. ( CSE)

#### **Strength of students in 2012 (B.TECH.CSE):**

<b>2010 Batch</b>	<b>2011 Batch</b>	<b>2012 Batch</b>	<b>2013 Batch</b>
<b>CSE</b>	<b>CSE</b>	<b>CSE</b>	<b>CSE</b>
<b>66</b>	<b>38</b>	<b>28+21(LE)</b>	<b>18</b>

### **2. Academic excellence:**

**A.** The department is running M.Tech. . in Computer Science and Engineering (CSE) program successfully.

#### **B. ANDROID WORKSHOP:**

A workshop on Android was held in December 2012 by i3indya Technologies Pvt. Ltd., G-85, Vikas Marg , Preet Vihar, New Delhi - 110092 (Opposite Metro Pillar No. 97). The students were very active and enthusiastic during and after the workshop as they could get benefit of this workshop for getting the placements in the companies which are working in the field of Android operating system.

### C. INDUSTRIAL READINESS PROGRAM:

A workshop-“Industrial readiness program” was conducted from 25 January to 27 January to CSE students on Java & personality development by Mr. Harjeet Singh –IT Consultant Pyramid Computers, Mr. Harmeet Singh -IT Specialist from Orange, Ms. Pushpinder Kaur-IT Consultant from IMS,Prabhpreet Singh-Specialist from Nokia Siemens network ,Ms. Samneet Kaur -Manager , Oracle Corporation and Inderpal Singh -Developer from Aricent .The Students gained through enhanced awareness , confidence , technical skills , behavioral skills from this program.The students were given live projects & all this enables them greater ability to adapt & perform in the corporate environment.

### 3. Faculty Name and their Designation

Dr. P.S. Grover	<b>Professor Emeritus</b>
Prof. Madan M. Gupta	<b>Visiting Professor</b>
Dr. Yashwant Singh	Visiting Professor
Mr. Gopal Gautam	Visiting Professor
Dr. Sandipan Gupta	Associate Professor
Er. Satinderjit Kaur Gill	Assistant Professor
Er. Amanpaul	Asst Professor
Er. Rupinder Kaur	Asst Professor
Er. Manjeet Thapa	Asst Professor
Er. Amit Ahlawat	Asst Professor
Er. Anoop Rekha	Asst Professor
Er. Amit Sharma	Lecturer
Er. Shanu Sood Er. Jasleen Kaur	Lecturer Programmer

### 4. **Achievements:**

#### **A. Techfest:**

Following student of CSE Deptt. won cash prize in Tech-fest (“Techlone Fest”) at Chitkara University , Barotiwala , Solan .H.P. held on 19-20 October 2012:

Ms. Rupinder Kaur of B.Tech. CSE 2<sup>nd</sup> year participated in Group Discussion a Literary event .She stood 3<sup>rd</sup> in the event and won cash prize of Rs. 1000/-.

**B. PAPERS PUBLISHED IN INTERNATIONAL CONFERENCES:**

- a. Amanpaul (2013),“Wireless Network Security using RSA algorithm”  
*International Conference named ESTEEM PPU at Pran Nath Pranami  
Institute of Engg. & Technology , Hissar ,7-8 March.*

**C. INTERNATIONAL CONFERENCE ATTENDED:**

Mrs. Amanpaul , Asstt. Professor attended an International Conference named ESTEEM PPU at Pran Nath Pranami Institute of Engg. & Technology , Hissar 7-8 March 2013.

**D. NEW LABS ESTABLISHMENT/ADDITIONS TO EXISTING LABS:**

20 PCs were added to Computer Lab-A to increase its capacity to 46 no. of PCs.

Microsoft Campus agreement renewal.

**E. SPORTS & CO-CURRICULAR ACTIVITIES:**

The students participated in Inter-Class Sports competitions in Volleyball, Basketball & Cricket.

Seminars, Debates, Poster making etc. are organized at regular intervals.

**F. M.Tech. Thesis:**

- a. Sood, Shanu (part time): Software merits for analysis of cloud computing quality
- b. Sharma , Amit (part time): Parametric Based Cryptographic Storage and fine grained data access control in cloud environment.
- c. Sharma, Bjoj Raj: Clustering algorithms: Study and performance evaluation using Weka tool.
- d. Kaur, Doljeet: Performance analysis of different data mining techniques of classification once heart disease.
- e. Kaur, Navpreet: Fault prediction using object oriented metrics: An empirical study.

# AKAL COLLEGE OF NURSING

## **1. INTRODUCTION**

The nursing profession contributes to the health care delivery system in a vital and significant way. It recognizes National Health goals and is committed to participate in the implementation of National Health policies and programs.

Akal College of Nursing which professes the motto to **train & prepare professionally competent & dedicated nurses** shoulders this contribution since 2008 by preparing qualified nurses to assure responsibilities as professional and competent nurses and midwives to provide preventive, promotive, curative and rehabilitative services.

The Undergraduate students of Akal College of Nursing are prepared by a vibrant team of faculty who inculcate the values of caring, compassion and teach them to make independent decision in nursing situations, protect the rights and facilitate individual and groups in the pursuit of health to function in the hospital, community nursing services and conduct research studies in the areas of nursing practice.

This preparation helps all our graduates to be placed well in India and abroad in higher level posts and thereby bring laurels to Akal College of Nursing.

## **2. ACADEMIC EXCELLENCE**

At present the college has 210 B.Sc. (N) students on the role. As of today first batch of B.Sc. (N) graduates (33 students) have passed out and are well placed in India and abroad. The college secured 100% results with numerous distinctions and first classes.

(i) **Faculty:** There are an adequate number of nursing and non-nursing teachers in the faculty. The recommended student teacher ratio as per INC is maintained. Innovative and modern methods of teaching are used to enable the students to develop awareness, understanding and critical thinking capacities.

(ii) **Physical facilities:** Spacious classrooms, pre-clinical laboratories, hostel and mess facilities, facilities for extracurricular activities, counselling and guidance, seminar hall, LCD projectors, departmental faculty rooms have created a working climate for all the teachers and students.

**(iii) College Library:** The college library is manned by a librarian with M.Phil. degree in Library and Information Science. It is equipped with 2379 books of National & International authors. The library functions from 9am – 5.30 pm. The management has allocated a generous budget for the library and never says no for the purchase of any new addition of National or International journals.

**(iv) Academic activities:** Master Rotation Plan was planned for I, II, III & IV years separately according to Indian Nursing Council Norms. Classes are going as per scheduled time table. Nursing subjects are taken by our Nursing Faculty and Non –Nursing subjects are dealt by external lecturers. Students had completed their 1<sup>st</sup> term exams from 16-01-2013 to 25-01-2013 & scheduled for 2<sup>nd</sup> as per follows.

IInd Terminal Examination: From 08-04-2013 to 12-04-2013

B.Sc. (N) Ist, IInd & IIIrd year

From 17-06-2013 to 20-6-2013

B.Sc. (N) IVth year

**(v) Clinical facilities:** The clinical facilities are well selected and organized as per the learning needs of the students which in turn enables the students to have hands on experience. This helps us in preparing clinically competent nurses. We are having a 180 bedded Parent hospital “Akali Charitable hospital” in Baru Sahib.

**Affiliated Hospitals** for clinical experience of nursing students are:-

- IGMC Hospital, Shimla (1400 beds)
- KNH( Kamla Nehru Hospital), Shimla (250 beds MCH)
- Vidya Sagar Mental Hospital, Amritsar
- Primary Health Center: Kheri, Bhalta, Dimber (PHC)
- Sub divisional Hospital, Rajgarh
- IVY Multispecialty, Chandigarh (Private)
- NIMHANS, Bangalore
- Columbia Asia, Palam Vihar/ Ghaziabad, NCT Delhi

### **3. HOSPITALS PROJECTED FOR AFFILIATION**

- Dr. Rajender Prasad Govt. Medical Hospital, Tanda (HP)
- Civil Hospital, Nahan
- MAX, Shalimar Bagh, Delhi
- MAX, Mohali
- Regional (Civil) Hospital, Solan (250 beds)

#### 4. COMMUNITY HEALTH SERVICES

**Urban Community** at Rajgarh & **Rural Community** at villages- Kheri, Lana Bhalta, Maccher and Dimber. Students also visit anganwadis, primary and secondary schools in their respective posting areas to conduct the school health projects. They have carried out following activities:

- Rally on prevention of cancer
- Deworming Campaign
- School Health Project: Health assessment, Hb estimation, Medical OPD, Health education
- Exhibition on Antenatal Advices
- Immunization camps
- Family Planning Camps

#### 5. CLINICAL POSTING

- The **1st Free Multispecialty Camp** was held on 27<sup>th</sup>-28<sup>th</sup> October, 2012 at Akal Charitable Hospital. Students of all the batches were posted to Hospital from 26-10-2012 to 31-10-2012.
- The **2<sup>nd</sup> Free Camp** was held on 29<sup>th</sup>-30<sup>th</sup> of March 2013 at Akal Charitable Hospital. Students of all three batches (B.Sc. Nursing I, II, & III years) have been posted to Hospital from 28<sup>th</sup> March onwards. Students and teachers have been posted round the clock- 8am-2pm, 2pm-8pm and 8pm-8am in three shifts to attend to patients admitted and operated for various conditions.
- B.Sc. Nursing 4<sup>th</sup> year students have been sent to IGMC, Shimla for three months for the clinical experience of Obstetrical & Midwifery Nursing, Medical Surgical Nursing & Paediatric Nursing (approximately 336 hours, 120 hours & 216 hours respectively).
- B.Sc. Nursing 3<sup>rd</sup> year students have been scheduled to send for one month (approximately 156 hours) to Amritsar for Psychiatric Nursing Posting in the month of April. Further they will be sent to IGMC, Shimla for 2 months for the clinical experience of Paediatric Nursing & Medical Surgical Nursing-II
- B.Sc. Nursing 2nd year students have been planned to be posted in Columbia Asia, Palam Vihar, Delhi for the clinical experience of Medical Surgical Nursing –I for the duration of 2 months.
- B.Sc. Nursing Ist year students will be posted at Akal Charitable hospital as per their clinical requirements..

## **6. COLLABORATION WITH FOREIGN UNIVERSITIES**

### ***Visiting faculty from DREXEL UNIVERSITY, USA***

Dr. Jill, Prof. Portwood and Prof. Lynn visited Akal college of Nursing during the month of April, 2012 and supervised the students during the clinical and delivered lectures for students and faculty of ACN for the following topics:

- Nursing process
- Physical Examination
- Critical thinking
- Advanced Nursing practice
- Evidence based Nursing
- Normal & abnormal Labour
- Neonates & Infancy
- CPR in neonates
- Management and administration
- Leadership

## **7. FACULTY DEVELOPMENT PROGRAMME(FDP)**

Akal College of Nursing organizes FDP every Wednesday from 4 to 5 p.m. The Programme aims at enhancing the academic and intellectual environment in our institution by providing faculty members with enough opportunities and a platform for exchange of innovative ideas and pedagogical skills. The following activities are being carried out under FDP

- Weekly Meetings
- Lesson plan presentation
- Journal club
- Nursing procedure Demonstration
- Review of Clinical/Theory Evaluation formats
- Research Guidelines
- Planning for Commemoration of different health related Events (National & International)
- Peer review, daily student feedback on teaching learning process.

## **8. CONFERENCE**

2nd Annual International Conference was held on 1st and 2nd December, 2012. The theme of the conference was “Global Nursing- A step ahead towards global health”. About 300 national and international delegates actively participated in the conference; among these 11 were resource persons who came from different parts of the globe like Bangalore, Chandigarh, CMC Vellore,

Delhi, Punjab, Rajasthan and H.P. including 4 International delegates from Drexel University, Philadelphia, USA.

## **9. INSPECTIONS**

Akal college of Nursing has been inspected by the following accrediting organizations:

- Indian Nursing Council- 5,6 July 2012

### **Forthcoming inspections**

- UGC, New Delhi- 22, 23 April, 2013
- Private Educational Institutions Regulatory Commission, Shimla- 3, 4 May, 2013
- HPNRC- 29 May, 2013

## **10. EDUCATIONAL TRIPS**

- **B.Sc. Nursing 4th year:**
  - Delhi (RAK College of Nursing , Max Super-specialty Hospital , Qutub Minar, India Gate, National Museum, Rakab Ganj Gurdwara Sahib, Bangla Sahib Gurdwara Sahib, Connaught Place and Shish Ganj Gurudwara Sahib)
  - Agra( Taj Mahal, Agra Fort, Balaji Temple and Mini Taj Mahal exhibition)
- **B.Sc. Nursing 3rd year:** Delhi(RAK College of Nursing, Qutub Minar, India Gate, Connaught Place, Akshardham, Birla Temple, Red Fort, Raj Ghat & Lotus Temple, Humayun Tomb)
- **B.Sc. Nursing 2nd year:** Amritsar ( Science city Kapurthala, Golden Temple, Jallianwala Bagh, Wagah Border, Pingalwara)
- **B.Sc. Nursing 1st year:** Himgiri

## **11. COLLEGE CELEBRATIONS/CO-CURRICULAR ACTIVITIES:**

### **(i) World Cancer Day : 2<sup>nd</sup> February, 2013**

World Cancer Day is marked on February 4 to raise awareness of cancer and to encourage its prevention, detection, and treatment. World Cancer Day was founded by the Union for International Cancer Control (UICC) to support the goals of the World Cancer Declaration, written in 2008. The primary goal of the World Cancer Day is to significantly reduce death and illness caused by cancer by 2020. To World Cancer Day.

To align our self with world Akal College of nursing 3<sup>rd</sup> year student organized a **rally**, which was flagged off from college and it ended at Kheri. Total 57 students participated and they also did a **Nukaad Naatak** to increase awareness in villager about cancer. To keep villager interest in check at the end a small Q&A was done and ball pen was distributed.

**(ii) 9<sup>th</sup> February, 2013**

To follow last Saturday rally on cancer day, A **Seminar** was organized on Cancer to enrich knowledge of students. Students from all years participated. Highlight of the seminar was Quiz in the end which brought a tough competition between students, 3<sup>rd</sup> year students emerged as Winner and 4<sup>th</sup> year students were runner up.

**(iii) Pregnancy awareness week : 16<sup>th</sup> February, 2013**

It was decided to mark this week as Pregnancy awareness week, week ended with **Seminar**. There was some really good presentation from student. Seminar ended with round of question and answer, which all students participated with lot of enthusiasm.

**(iv) Poetry writing competition 23<sup>rd</sup> Feb 2013**

Poetry writing competition was held in the college for all the classes. **Sports** Every last Saturday sports activities are held in Akal College of Nursing. On 23<sup>rd</sup> February the Carom board, Chess, Basketball were held class wise from 3:00 pm- 5.00 pm.

**Note:** basketball match was conducted for 1<sup>st</sup> and 2<sup>nd</sup> year students, & the winner was 2<sup>nd</sup> year

List of winners for carom-board: 1<sup>st</sup> year: Rhythm, Hemkiran, 2<sup>nd</sup> year: Supriya  
3<sup>rd</sup> year: Sunita and Trishala, Tenzin

List of Winners for chess: 1<sup>st</sup> year: Bhawna, Gagandeep Sidhu, 2<sup>nd</sup> year: Nisha  
3<sup>rd</sup> year: Richa Jaswal

**(v) International Women's Day: 8<sup>th</sup> March-2013**

International Women's Day- (8<sup>th</sup> March-2013) was celebrated on 2<sup>nd</sup> March 2013 IBhai Gurdas Ji Hall, Eternal University. The event was hosted by Akal College of Nursing. During this event B.Sc. Nursing students actively participated in panel discussion on the current year's theme- *A promise is a promise: Time for action to end violence against women*. 7 members participated in the panel discussion. This discussion included women trafficking, harassment, and different types of violence against women and Rights of women etc.

**(vi) Inter-Class Decoration Competition: 9<sup>th</sup> March, 2013**

The inter-class decoration competition was organized in the college on 9<sup>th</sup> March, 2013. The competition was theme based; each batch was given with the theme to decorate their classes. The themes given to the students were- B. Sc. Nursing 1<sup>st</sup> Year- Nutrition, B. Sc. Nursing 2<sup>nd</sup> Year- Yoga and Exercise and B. Sc. Nursing 3<sup>rd</sup> Year- Advanced Basic Life Support. Each class was given time 2- 5 pm to decorate their classes. Next day the evaluation was done by Dr. H.P. Singh from the Akal Charitable Hospital, Dr. (Mrs.) Satwant Kaur Baltej and Prof. Molly Sam. First prize was given to B. Sc. Nursing 2<sup>nd</sup> Year and second prize was given to B. Sc. Nursing 1<sup>st</sup> Year.

**(vii) Deworming Campaign: 16<sup>th</sup> March, 2013**

On 16<sup>th</sup> March, 2013 the students of Akal College of Nursing, Baru Sahib have organized Deworming Campaign on the Baru Sahib campus. Total three booths were formed- near Enquiry-Reception Office, in the Akal Academy and in Eternal University. All the students of B. Sc. Nursing, three batches were divided into three groups each having 54 students. Each group was supervised by two teachers. Prof. Molly Sam was the event coordinator.

The campaign started at 2 pm in the afternoon. The main objective of the event was to cover the whole population of Baru Sahib for deworming. Under this event the activities covered were registrations, physical assessment including height, weight and providing Tab. Albendazole 400 mg for deworming to everyone prophylactically. At the end Health Education was provided to the people related to worm infestation and its prevention. The recording was done. In total 800 people were covered under this event in all the booths. Population covered included students of Akal Academy and Eternal University, Teachers, workers of Mess, Laundry, Langar and also the people from outside.

**(viii) World Tuberculosis Day : 23<sup>rd</sup> March, 2013**

World TB day was on 24<sup>th</sup> March 2013 and was highlighted and celebrated by students of ACN on 23<sup>rd</sup> March 2013, with the theme, "Stop TB in my Life Time." A symposium was conducted by 1<sup>st</sup> and 2<sup>nd</sup> year students of BSc. Nursing program, which was a commendable effort by the students and guided by their teacher Ms. Rajwinder. Prof. Molly Sam and Prof. Sujana Chakravarty addressed the students and shared their views and experience to highlight the theme.

## **12. UNIVERSITY CONVOCATION**

Ist University convocation was held on 18/11/2012 with the blessings of Hon'ble Baba ji. Degrees were awarded to the first successful batch of B.Sc. Nursing (33 students) by the Eternal University, Baru Sahib.

## **13. ACHIEVEMENTS**

- Akal College of Nursing had organized **2<sup>nd</sup> Annual International Conference** on 1<sup>st</sup> and 2<sup>nd</sup> December, 2012 based on theme “Global Nursing- A step ahead towards global health”.
- Akal Charitable Hospital had organized **two free multispecialty camps** in collaboration with Akal collage of Nursing, where patients were brought from remote areas of Himachal Pradesh, Punjab and Haryana. Highly experienced doctors not only from India but also from abroad- UK, USA and Canada as volunteers performed most advanced surgeries and provided high quality global care.

## **14. FUTURE PLANS**

- ❖ We are planning for 3<sup>rd</sup> Annual international conference on community based theme in September 2013.
- ❖ We have planned to start M.Sc. Nursing from this academic session (2013)

# **AKAL COLLEGE OF ARTS AND SCIENCES**

Akal College of Arts and Sciences is to provide educational opportunities to the youth that emphasize skills and knowledge that will allow the students to adjust through a lifetime of social and technological change. Based on the motto of value based education, the college is committed to offer quality education to its students and to assist them in searching and achieving their educational goals.

A brief account of the activities performed by the students of Akal College of Arts And Sciences during the session 2012-2013 is given below:

## **Degree to be awarded:**

1. B.A. (Humanities)
2. B. A. (Maths)
3. B. Sc. (Medical)
4. B.Sc. (Non. Medical)

## **Strength in 2012-2013:**

<b>2009 Batch</b>	<b>2010 Batch</b>				<b>2011 Batch</b>	
<b>Humanities</b>	<b>Hum.</b>	<b>Maths</b>	<b>Medical</b>	<b>Non. Medical</b>	<b>Hum.</b>	<b>Maths</b>
<b>41</b>	<b>23</b>	<b>03</b>	<b>05</b>	<b>04</b>	<b>39</b>	<b>8</b>

## **Faculty :**

### **Teachers' list of Akal College of Arts and Sciences for Session 2012-2013**

<b>Subject</b>	<b>Names of Available Teachers</b>
<b>English</b>	Dr. Kulbhushan Kumar, Mrs. Kuljinder Kaur, Mr. Balbir Singh, Mrs. Harbeer Kaur
<b>Punjabi</b>	Dr. Sikander Singh
<b>Zoology &amp; Botany</b>	Mr. Imran Khan, Ms. Navdeep Boparai

<b>Maths</b>	Dr. Sandeepan Gupta, Mr. Lakhwinder Singh, Mr. V. Parsad
<b>Physics</b>	Dr. K.C.Verma, Ms. Jaspreet Kaur, Ms. Jasneet Kaur
<b>Chemistry</b>	Dr. N.K. Ralhan, Dr. Jaivir Singh Mr. Manpreet Singh, Ms. Renu Bala, Ms. Baljeet Kaur
<b>Computers</b>	Ms. Jasleen Kaur, Mrs. Ravjeet Kaur
<b>Religious Study</b>	Dr. Sewak Singh
<b>Teaching Meth.</b>	Mrs. Smriti Chugh
<b>Economics</b>	Mrs. S.K. Dhaliwal, Ms. Rinshu Dwivedi

### **Cultural Activities:**

- a. In May 2012, a three day inter college competition named ‘Adhiyatmak Udaan 2012’ was organised and hosted by Akal College of Arts and Sciences.
- b. In Rangoli competition, Sumandeep Kaur and Amandeep Kaur students of final year Humanities got second position in monthly Inter college competition organised in Eternal University.
- c. 4 teams (8 students) participated in inter college debate competition organised by University.
- d. 15 girls took part in group discussion inter college competition held in March 2013.

### **Training Period:**

1. 2 students, Sumandeep Kaur and Rimple Kaur, went to Akal Academy Baru Sahib (English Medium) to teach Religious Studies to 7<sup>th</sup>, 8<sup>th</sup> and 9<sup>th</sup> classes for three months.
2. 31 students of final year went to Akal Academy Baru Sahib (Hindi Medium) for teacher training for three months in their final semester.
3. 35 students of second year went to Akal Academy Baru Sahib (English Medium) as experts to check the level of students in the field of Gurbani.

### **Academic results:**

1. In science stream, Navroop Kaur, student of Final year achieved first position in the college with 86.4% marks.
2. Kulwinder Kaur student of 3<sup>rd</sup> year (B. Sc. Medical) got 86% marks and occupied first position in class.
3. Mandeep Kaur, student of final year (Maths) got 419/500 (84%) and topped her class in end semester examinations December 2012.
4. Veerpal Kaur, student of final year (Humanities), got first position with 78.6% marks.
5. Sukhdeep Kaur of B.A. 2<sup>nd</sup> year (Humanities) got first position in the class in examination held in December 2012 with 77.2% marks.
6. Veerpal Kaur of B.A. 2<sup>nd</sup> year (Maths) got 81% marks and occupied first position in class in examination held in December 2012.
7. Gurpreet Kaur B.Sc 1<sup>st</sup> year ( Non. Med.) got 83% marks and stood first in the class.

### **Faculty Publications and Participations:**

1. Dr. Sikander Singh (Assistant Professor in Punjabi department) attended a seven days workshop (as per U.G.C norms) on the theme 'Hermeneutics and Sikh Hermeneutics' organised by the department of Sri Guru Granth Sahib Studies of Punjabi University Patiala, from December 21<sup>st</sup> 2012 to 28<sup>th</sup> 2012.
2. Dr. Sikander Singh also participated as a resource person in above mentioned workshop.
3. Dr. Sikander Singh: Bhaashee BEE Naas. **Samdarshi**. V128. July- Aug 2012.
4. Dr. Sewak Singh: Sheikh Farid Banu De Bhashai Adyan Di Itihaskari in Mohmad Idrish. Ed: Sheikh Farid Rachna: Sidhantik Ate Itihasik. New Delhi: National Book Trust, 2012.
5. Dr. Sewak Singh delivered special lecture to master degree classes at Post Graduate Government College, Sector 11, Chandigarh, on March 15-16<sup>th</sup>, 2013.

# AKAL COLLEGE OF DIVINE MUSIC & SPIRITUALISM

## ETERNAL UNIVERSITY, BARU SAHIB

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### **Introduction:**

Akal College of Divine Music & Spiritualism offers B.A. Degree in Music. The college provides job-oriented degree to the students in the field of music. It aims at providing employable skills through technical practical training programme, regular riaz (practice), stage performances and seminar with value based educative system.

### **Faculty:**

The student of Akal College of Divine Music & Spiritualism are taking lessons under the guidance of dedicated team of well qualified faculty who prepare not only good music teachers as well as good music performer also. Detail of faculty is given below:

- |                       |                               |
|-----------------------|-------------------------------|
| 1. Dr Purvi Luniyal   | Dean                          |
| 2. Dr Rashmeet Singh  | Lecturer - Tabla              |
| 3. Dr Om Sharma       | Lecturer - Music Instrumental |
| 4. Mr Shupreet Singh  | Lecturer - Music Instrumental |
| 5. Mr Parwinder Singh | lecturer - Music Vocal        |

### **Academic excellence:**

In the year 2012-2013, 73 students are enrolled in B.A. music programme. As of today first batch of 9 B.A. music graduates have passed out and all are placed in different schools in India. Their convocation was held on 18/11/2012. Degree was awarded by Hon'able Baba Iqbal Singh Ji, The Chancellor of Eternal University, Baru Sahib.

### **Physical facilities:**

Spacious classrooms, practise rooms, recording studio, library, hostel, medical consultancy room in hostel and departmental faculty room have created a working climate for all the teachers as well as students.

## **Achievements:**

### **T.V. programmes detail:**

- (a) Since April 13, 2010, telecast of “Anahad Bani” programme is continuously displaying at PTC NEWS Channel at 8:30 am daily. In the history of T.V. channels, this is the first programme being telecast in which students are reciting sampuran (complete) Sri Guru Granth Sahib’s Path with 18 string instruments in all the 31 Ragas in which the Bani is being written. This programme is prepared by our teaching faculty and 53 students of this college are participating in this programme. “Bhog” or “Samapti” of this programme is on 11<sup>th</sup> august, 2013. That programme will be telecast live.
- (b) From 9<sup>th</sup> Feb, 2012, live telecast of “Dhur Ki Bani” programme continuously showing on Z-ETC Punjabi Channel. In this programme all music students are participating in “Aasa Ki Vaar” in the morning at 6:00 am to 7:20 am and “Sodar” and “Aarti” in the evening at 6:00 pm to 7:00 pm daily.

### **Book release:**

On 10<sup>th</sup> Feb, 2013, at Gurudwara Raqab Ganj, Delhi, A book “Anahad Naad” (prepared by the faculty of ACDMS) published by the hands of Saints Community. In this book, old devotional music compositions in Gurmat Sangeet Ragas as well as Indian Classical Music Ragas are saved.

### **Gurmat Programmes:**

In June 2012, 202 “Shri Akhand Path” were performed at Baru Sahib on the occasion of “Sant Samagam”. All our students participated in that.

### **Details of performances by music students at various places:**

- (a) On April 13, 2012, all our college students participated in the “Baisakhi Festival” celebration at Baru Sahib. They took part in the Nagar Kirtan, Gatka, March Past, Band and Dhadhi Waran.
- (b) On 15<sup>th</sup> May, 2012, 9 students were sent to Paonta Sahib for participating on the occasion of “Janam-Utsav” of “Sant Teja Singh Ji”. They performed Dhadhi waran and Shabad Kirtan.

- (c) On 4<sup>th</sup> July, 2012, 9 students were sent to Kalka for participating on the occasion of “Guru Purab” of “Shri Guru Hargobind Sahib Ji”.
- (d) On 28<sup>th</sup> November, 2012, 7 students of this college presented Dhadhi Waran at “Gurudwara Sahib” Ludhiana on the occasion of “Guru Nanak Dev Ji’s” Gurupurav.
- (e) On 2<sup>nd</sup> December, 2012, 9 girls went Shimla to participate in “Guru Nanak Dev Ji’s” Gurupurab.
- (f) On May 5<sup>th</sup>, 2013, 21 students from music instrumental department participated in “International Conference on Renewable Energy” in Auditorium, Eternal University, Baru Sahib. They performed there Indian orchestra in *Raag Kalyan*.
- (g) On 9<sup>th</sup> December, 2013, 7 students each sent to Paonta sahib and Jalandhar respectively to perform Dhadhi Waran and Shabad Kirtan in “Guru Teg Bahadur Ji’s” Gurupurab.
- (h) 8 string instruments students went in Assam from 13 December till 19 December, 2012 to perform Indian Orchestra and Shabad Kirtan in a Seminar.
- (i) 7 students went Kota, Delhi, Mumbai and Jalandhar from 1<sup>st</sup> Feb. to 4<sup>th</sup> March, 2012 to perform Shabad Kirtan and Dhadhi Waran.

### **Lecture- Demonstration:**

On 01/12/12 Mr. Rashmeet Singh, Mr. Shupreet Singh and Mr. Om Sharma (Teaching Faculty) gave stage performance (Sitar & Tabla) in Lecture – demonstration session held at University Auditorium, Baru Sahib. All college students and faculty were present there.

### **International Youth Camp in Baru Sahib, 2012-13:**

From 20 July, 2012 till 19 August, 2012, 18 students of college taught Shabad Kirtan, Aasa Ki Vaar, various string instruments, Dhadhi Waran, Tabla, and Poems to 69 students who came from America, Canada and England to attend International Youth Camp.

### **Expedition:**

- (a) Every music student visited Paonta Sahib on 12-13 Feb, 2013.
- (b) From 24 Feb to 1<sup>st</sup> March, 2013, 53 students along with faculty visited “Patna Sahib” (Bihar) on the occasion of completion of “*Anahad Bani*” recording work.

### **Future plan:**

We are going to start M.A. Music from the Academic session 2013-14.

# **AKAL SCHOOL OF ECONOMICS**

## **1. Introduction**

Akal School of Economics was established in 2009, which is a unique model of value-based education. The school has three years honours course at the graduate level and two-year postgraduate course designed to teach concepts, analytical tool and quantitative techniques. To update the knowledge of students special lectures from eminent economists are arranged frequently. The school also aims at improving the written and oral proficiency and communication skills of the students. The staff engaged in teaching has also deep interest in research and they ensure the incorporation of latest developments in the discipline.

## **2. Degrees to be awarded**

1. B.A. (Hons.) Economics.
2. M.A. Economics

## **3. Academic excellence:**

### **A. List of faculty members:-**

1. **Dr. J.L.Sharma**  
Dean Akal School of Economics
2. **Mrs. S.K.Dhaliwal**  
Asstt. Dean
3. **Mr. Parve en Mehta**  
Asstt. Professor
4. **Mrs. Gee tanjali Mehata**  
Lecturer
5. **Mr. Prave en Singh**  
Lecturer

### **B. Visiting Faculty**

1. **Mr. D.K.Sharma**  
Profe ssor
2. **Mr. Jame s Pe terwood (USA)**  
Profe ssor

### **C. Guest Lectures:**

- Guest lecture was given by Prof. Y.S Sachdeva from Punjab Agriculture University, Ludhiana on the topic of Communication skills in May; 2013. The Students and Faculty of Akal School of Economics took a great advantage of this Talk.

- Guest lecture was delivered by Prof. James Petterwood from USA on the topic of International agriculture development scenario, in May 2013. All the students took great advantage from this.

#### **D.Seminars:**

In each semester all, the students of Akal school of Economics are assigned topic in the beginning of the semester on various economic issues, which are to be presented during the semester with the help of PPTs. This is an attempt to improve the communicational Skills of the students.

#### **4. Physical infrastructure**

- Lecture hall- 4
- Seminar hall- 1
- 24 hour Wi-Fi connectivity

#### **5. Publications**

1. **Kaur, Amanpreet, Sharma J.L. and Chahal S.S;** “A temporal analysis of research investment at Punjab Agricultural University” *INDIAN JOURNAL OF ECONOMICS AND DEVELOPMENT*, No. 4, V 8, October-December 2012
2. **Kumar, Parveen, Mehta Gitanjali and Ram Chander;** “An economic analysis of cost of cultivation of horticultural crops vis-à-vis traditional crops in Haryana” *INDIAN JOURNAL OF ECONOMICS AND DEVELOPMENT*, No. 4, V 9, January-March 2013.
3. **Dwivedi Rinshu and Dhaliwal S.K;** “The Services Sector and Growth Performance of India” *INDIAN JOURNAL OF ECONOMICS AND DEVELOPMENT* No. 4, V 8, October-December 2012.

#### **6. Conference and Seminars**

- An International Conference on Global Nursing was held on 1<sup>st</sup> & 02<sup>nd</sup> Dec, 2012 in Akal college of Nursing, Baru Sahib. The Faculty members & students of Akal School of Economics took part in it.

## **7. Future thrust areas**

- The department is in the process of preparing course curriculum for Ph.D. Economics. This is to be started in next academic year i.e.2014-15.
- The department is planning to undertake the research projects on various issues concerning the state in general and Sirmour district in particular.
- The department will further strengthen the communication skills of students through participation of students in seminars.
- The quality of seminars given by the students will be improved.
- The students will be motivated to conduct field survey in the adjoining areas for understanding various issues practically.
- To develop moral value among the students eminent expert will be invited to deliver special lecture.

# **AKAL SCHOOL OF CHEMISTRY**

## **1) INTRODUCTION:**

The Akal school of Chemistry was established in the year 2009. The department offers post B.Sc. 2-year M.Sc. programme and also has a strong PhD program. Eligibility to get admitted in both the courses is strictly on the basis of UGC guidelines and both the above programs have been approved by H.P. Regulatory Commission and UGC. The department has very well equipped research laboratories. The main focus of the department is on teaching and research, centered on interdisciplinary research work. The continued interest of the Chemistry department has been in the area of Nano technology, Heterocyclic synthesis; metal catalysed Organic synthesis, Natural products and electrochemical synthesis.

## **2) ACADEMIC ACTIVITIES:**

Department has awarded MSc. Degrees and also offered 100% placement to the meritorious students in various programmes being run by Kalgidhar Trust. Two Ph.D. students were enrolled in this year, totalling the number of Ph.D. Students to four pursuing Doctorate course. Synopses of two Ph.D. Scholars were also approved.

## **3) LIST OF FACULTY MEMBERS :**

### **1. Dr. N. K. Ralhan, M. Sc. (Hon), PhD**

Professor,

Dean & Head

Specialization: Organic Chemistry & Nano materials for catalysis

### **2. Dr. M.P.S. Chandrawat, M. Sc. (Org, In-org, Phy), PhD**

Professor,

Specialization: Industrial Chemistry, Natural products

### **3. Dr. Jaiveer Singh**

Assistant professor

Specialization: Organic Chemistry

### **4. Mr. Sukhdeep Singh**

Lecturer

Specialization: Nano materials, Organic Chemistry

#### 4) COLLABORATORS:

- a) **Syngloss and Tinchem Enterprises** ,
  - a. Patiala (Chemicals and other Research help)
- b) **Dr R.K. Kotnala**
  - a. National Physical Laboratory, New Delhi

#### 5) PURCHASE OF INSTRUMENTS:

Double distillation unit (glass) and Vacuum rota evaporator, Muffle Furnace, Digital Stirrers with and without probe, Hot Plate etc. were purchased apart from regular chemicals.

#### 6) ACHEIVEMENTS:

##### **DRDO Project (Grant – 10 Lacks)**

On the basis of research being carried out in Akal School of Chemistry and presentation of department and the Eternal University in numerous occasions in National & International Journals/Conferences /Symposiums and Seminars has paid off in the form of Project sponsored by DRDO (2 years).

Project entitled “**Synthesis of materials having high magnetic values applicable for lower micro wave frequency region**” with one JRF sponsored by DRDO.

#### 7) INSPECTION:

On 22<sup>nd</sup> and 23<sup>rd</sup> June, 2012 UGC team visited Akal School of chemistry and members appreciated the pace of research and subsequent publications being carried out in the department.

#### 8) RESEARCH PAPERS PUBLISHED IN JOURNALS:

- a) Verma, Kuldeep Chand, **Singh Jaiveer**, Ram Mast, Sharma, Dileep Kumar, Sharma, Abhilasha and Kotnala , R K. (2012) Enhancement in the magnetic, optical and electrical properties of  $Ti_{0.97}Co_{0.03}O_2$  and  $Ti_{0.97}Fe_{0.03}O_2$  nanoparticles with Ce co-doping. Phys. Scr. 86 (2012) 025704 (8pp) doi:10.1088/0031-8949/86/02/025704.
- b) Verma, Kuldeep Chand, **Singh, Sukhdeep** and Kotnala, R.K., Adv. Sci. Engg. Med. 5, 18 (2013) High-frequency magnetic and electrical properties and ferromagnetism of pure, Zn and Mg substituted  $MnFe_2O_4$  ferrite nanoparticles,

- c) **Singh Sukhdeep**, Singh Manpreet, Ralhan, N.K., Kotnala, R.K. and Verma, Kuldeep Chand, Adv. Mat. Lett. 3(6), 504 (2012). Improvement in ferromagnetism of Ni(1-x) Zn<sub>x</sub>Fe<sub>2</sub>O<sub>4</sub> nanoparticles,
- d) **Singh Sukhdeep**, Ralhan, N.K., Kotnala, R.K. and Verma, Kuldeep Chand, Indian J. Pure & Applied Physics 50, 739 (2012) Nanosize dependent electrical and magnetic properties of NiFe<sub>2</sub>O<sub>4</sub> ferrite,
- e) Nanosize and Zn<sup>2+</sup> ion dependent magnetic and dielectric properties of NiFe<sub>2</sub>O<sub>4</sub> ferrite (**submitted**).

9) **RESEARCH PAPERS PUBLISHED IN CONFERENCES:**

Presented paper in an International Conference on Renewable Energy at Eternal University, Baru Sahib, H.P (2012).

10) **FUTURE PLANS:**

Department has future plans to have more collaborators and also to intensify research on material synthesis and its application.

# **AKAL SCHOOL OF PHYSICS**

## **1. Introduction**

Akal School of Physics was established in 2010, which is a unique model of value-based education. The school has involves eight course in B.Sc and three course in B.Tech graduate level and two-year postgraduate course designed to teach solid state, nuclear, quantum physics and material science subjects. The school involves research in Material Science and Nanotechnology and registered two PhD students, and published research work in international journal of high impact. The Akal school of Physics gives training in Nanotechnology to Engineering students of Eternal University as well as from other University/Institutions. To update the knowledge of students special lectures from eminent Physicist are arranged frequently. The school also aims at improving the written and oral proficiency and communication skills of the students.

## **2. Degrees to be awarded**

1. M.Sc. Physics
2. PhD Physics

## **3. Academic excellence:**

### **C. List of faculty members:-**

1. Dr. K.C. Verma,  
Assoc. Professor & Head Akal School of Physics
2. Jaspreet Kaur,  
Lecturer & Research Scholar
3. Jasneet Kaur  
Lecturer & Research Scholar

### **D. Students**

1. The Akalschool of Physics started M.Sc. Physics from 2012 and there are three M.Sc students are admitted.
2. Eight students of B.Tech-M.Tech integrated courses from [Sri](#) Guru Granth Sahib World University, Fatehgarh Sahib starts their Project of Nanotechnology under Akal School of Physics from May 2013 to July 2013.

### **E. Guest Lectures:**

Guest lecture was given by Dr R.K. Kotnala, Chief Scientist, National Physical Laboratory, New Delhi on the topic of Multiferroic

nanostructures in May; 2013. The Students and Faculty of Akal School of Physics took a great advantage of this Talk.

#### **D. Seminars:**

In each semester all, the students of Akal school of Physics are assigned topic in the beginning of the semester on the basis of their specialization, which are to be presented during the semester with the help of PPTs. This is an attempt to improve the knowledge of the students.

#### **G. Extra –Curricular Activities:**

The students of Akal School of Physics have participated in different extra –curricular activities in **EU- FEST -2013**

#### **4. Physical infrastructure**

- Lecture hall- 2
- Graduate and Post graduate Laboratory
- Seminar hall
- 24 hour wi-Fi connectivity
- Post graduate Nanotechnology research Lab

#### **5. Experimental measurements from out source**

1. X-Ray Diffraction
2. Transmission Electron Microscopy
3. Scanning Electron Microscopy
4. FTIR
5. Magnetic Measurements
6. Magneto-electric Studies
7. Dielectric and AC Conductivity
8. Electrical Measurements
9. Raman Spectroscopy
10. X-Ray Photoelectron Spectroscopy
11. Photoluminescence
12. UV- visible and Absorbance Spectra

\* The estimated expenditure on the above activities is: Rs. 50,000/-

#### **6. Achievements:**

##### **A. Research Activities**

The research work in Akal school of Physics is the synthesis of different nano materials (nanostructures of multiferroics, spintronics, dilute magnetic semiconductors, ferrite nanoparticles etc.) and their characterization techniques in Physics/Nanotechnology laboratory. The details of projects under progress are:

1. Study of nanostructures of pure and transition metal doped BaTiO<sub>3</sub> and co-doped with rare earth ions, and their electrical, magnetic, optical, multiferroic and magnetoelectric properties
2. Magnetic and optical properties of transition metal (Fe, Co) doped SnO<sub>2</sub> DMS and co doped with rare earth ions (nanoparticles, nanorods, nanowires and thin films).
3. Structural, microstructural, magnetic and electrical properties of NiFe<sub>2</sub>O<sub>4</sub> nanoparticles prepared by different routes. NiFe<sub>2</sub>O<sub>4</sub> are again doped with Zn.
4. Nanostructures (nanoparticles, nanorods, nanowires, thin film, etc.), ferromagnetism, electrical and optical properties of DMS SnO<sub>2</sub>, TiO<sub>2</sub> and ZnO: doping of transition metal and co-doping of rare earth ions.  
A composite of multiferroic nanostructures BaTiO<sub>3</sub>/ZnFe<sub>2</sub>O<sub>4</sub>.

## B. Research Publications

1. Kaur, J Gupta V, Kotnala R. K and Verma KC (2012): Size dependent dielectric of Co and Fe doped SnO<sub>2</sub> nanoparticles and their nanorods by Ce co-doping. *Indian J. Pure & applied Physics* 50: 57-63.
2. Kaur J, J Kaur, Kotnala, RK, Gupta, V, Verma, KC (2012): Magnetoelectric Coupling in Multiferroic Ba(Fe<sub>0.01</sub>Ti<sub>0.99</sub>)O<sub>3</sub> nanowires. *Adv. Mat. Lett.* 3(5): 371-375
3. Kaur, J, Kaur J, Kotnala RK, Gupta, V, Verma, KC (2012): Co and Fe doped SnO<sub>2</sub> nanorods by Ce co-doping and their electrical and magnetic properties. *Adv. Mater. Lett.* 3(6): 511-514.
4. Kaur, J, Kotnala RK, Gupta, V and Verma, KC (2012): Ferromagnetism, Raman spectra and Photoluminescence of Sn<sub>0.91</sub>Co<sub>0.05</sub>Ce<sub>0.04</sub>O<sub>2</sub> and Sn<sub>0.91</sub>Fe<sub>0.05</sub>Ce<sub>0.04</sub>O<sub>2</sub> nanorods. *Adv. Mater. Res.* 488-489: 226-229.
5. Singh, S Singh M, Ralhan, NK, Kotnala RK and Verma KC (2012): Improvement in ferromagnetism of Ni<sub>(1-x)</sub>Zn<sub>x</sub>Fe<sub>2</sub>O<sub>4</sub> nanoparticles. *Adv. Mat. Lett.* 3(6): 504-506.
6. Verma, KC, Singh, S and Kotnala, RK (2013): High-frequency magnetic and electrical properties and ferromagnetism of pure, Zn and Mg substituted MnFe<sub>2</sub>O<sub>4</sub> ferrite nanoparticles. *Adv. Sci. Engg. Med.* 5: 18-22.
7. Verma, KC, Singh J, Ram M, Sharma DK, Sharma A and Kotnala RK (2012): Enhancement in magnetic, optical and electrical properties of Ti<sub>0.97</sub>Co<sub>0.03</sub>O<sub>2</sub> and Ti<sub>0.97</sub>Fe<sub>0.03</sub>O<sub>2</sub> nanoparticles with Ce co-doping. *Physica Scripta* 86: 025704-9.
8. Kaur, J, Shah J, Kotnala, RK, Verma, KC (2012): [Raman spectra, photoluminescence and ferromagnetism of pure, Co and Fe doped SnO<sub>2</sub> nanoparticle](#). *Ceramic Int.* 38: 5563-5570.
9. Kaur, J Kotnala RK and Verma, KC (2012): Surfactant free hydrothermal synthesis, electrical, optical and ferroelectric properties of BaTiO<sub>3</sub> nanoparticles. (2012) *J. Opt. Adv. Mater.* 14: 219-223.
10. Verma K.C, Kotnala RK, Ram M and Negi NS (2012): Optical Characteristics of Nanocrystalline Pb<sub>1-x</sub>Sr<sub>x</sub>TiO<sub>3</sub> Thin Films Using Transmission Measurements. *Adv. Sci. Focus* 1: 1-7.

11. Singh, S, Ralhan, NK, Kotnala, RK and Verma KC (2012): Nanosize dependent electrical and magnetic properties of NiFe<sub>2</sub>O<sub>4</sub> ferrite. *Indian J. Pure & Applied Physics* 50: 739-743.
12. Kaur, J, Sahni, K, Thakur, K, Kotnala, RK and Verma, KC (2013): Structural, Magnetic and XPS studies of Sn<sub>0.95</sub>Co<sub>0.05</sub>O<sub>2-0.05</sub> and Sn<sub>0.95</sub>Fe<sub>0.05</sub>O<sub>2-0.05</sub> nanoparticles. *Phill. Mag.* 93: 365-374.
13. Verma, KC, Kotnala, RK (2013): Strong Magnetoelectric coupling of Pb<sub>1-x</sub>Sr<sub>x</sub>(Fe<sub>0.012</sub>Ti<sub>0.988</sub>)O<sub>3</sub> nanoparticles, *J. Nanoscience Nanotech.* (accepted)
14. Kaur, J, Negi NS, Kotnala, RK, Verma, KC (2013): Hydrothermal conditions on Sn<sub>0.95</sub>Co<sub>0.05</sub>O<sub>2</sub>: nanostructures, ferromagnetism and optical behavior. *J Sol-Gel Sci Technol* 65: 411-419.
15. Ram, M, Verma, KC and Negi, NS(2013): Photoluminescence and Magnetism of Zn<sub>1-x</sub>Co<sub>x</sub>O Nanoparticles Prepared by Combustion Method. *Adv. Sci. Engg. Med.* 5: 1-6.
16. Verma, KC, Gupta, V, Kaur, J and Kotnala, RK (2013): Raman spectra, Photoluminescence, Magnetism and Magnetoelectric coupling in pure and Fe doped BaTiO<sub>3</sub> nanostructures. *J. Alloys & Comp.* 578: 5-11.
17. Singh, S, Singh M, Ralhan, NK, Kotnala, RK and Verma KC (2013): Nanosize and Zn<sup>2+</sup> ion dependent magnetic and dielectric properties of NiFe<sub>2</sub>O<sub>4</sub> ferrite (submitted).
18. Verma, KC, Negi NS and Kotnala, RK (2013): Multiferroic and Magnetoelectric properties of nanostructured BaFe<sub>0.01</sub>Ti<sub>0.99</sub>O<sub>3</sub> thin films obtained under PEG conditions (Submitted)
19. Verma, KC and Kotnala, RK (2013): Magnetoelectric, Raman and XPS properties of Pb<sub>0.7</sub>Sr<sub>0.3</sub>[(Fe<sub>2/3</sub>Ce<sub>1/3</sub>)<sub>0.012</sub>Ti<sub>0.988</sub>]O<sub>3</sub> and Pb<sub>0.7</sub>Sr<sub>0.3</sub>[(Fe<sub>2/3</sub>La<sub>1/3</sub>)<sub>0.012</sub>Ti<sub>0.988</sub>]O<sub>3</sub> nanoparticles (submitted).
20. Kaur, J, Gupta V and Verma, KC (2013): Anionic polymerization in Co and Fe doped ZnO: nanorods, superferromagnetism and photoactivity (submitted)

### C. Conferences attended: 05

### 7. Future Plan

- ❖ Study of nanostructures of pure and transition metal doped BaTiO<sub>3</sub> and co-doped with rare earth ions, and their electrical, magnetic, optical, multiferroic and magnetoelectric properties

**Project submitted to DRD**

- ❖ Nanostructures (nanoparticles, nanorods, nanowires, thin film, etc.), ferro magnetism, electrical and optical properties of DMS SnO<sub>2</sub>, TiO<sub>2</sub> and ZnO: doping of transition metal and co-doping of rare earth ions.

**Project submitted to DST**

## **AKAL SCHOOL OF BIOTECHNOLOGY (ASB)**

The Akal School of Biotechnology was established in September, 2010 in the Eternal University, Baru Sahib for providing postgraduate teaching and research and development in biotechnology with specialization in plant, pharmaceutical, environmental and animal biotechnology. After information technology, application of biotechnology is likely to transform Indian and global economy for ensuring food, nutrition and health security to ever increasing population with sustainable use of natural resources. Advances in cell and molecular biology can be used at DNA, subcellular, cell, tissue and organ levels for rapid and directed improvement of microbes, plants and animals and their effective utilization by mankind hitherto impossible through conventional approaches. All the living organisms have become a single gene pool for cloning and desired expression of genes in heterologous systems. Keeping in view the scope and benefits of biotechnological interventions the Akal School of biotechnology (ASB) has initiated postgraduate programme leading to M.Sc. and PhD in biotechnology with a combination of innovative courses and basic research in different areas of specialization in biotechnology through highly trained and experienced faculty. Major emphasis will be given on improvement of functional food ingredients, biofortification of micronutrients and enhancement of their bioavailability, bioprospecting of medicinal plants for diverse pharmaceutical potential and conservation of ecosystem and biodiversity.

### **1. COURSES BEING OFFERED:**

1. M.Sc. Biotechnology (four semesters)
2. Ph.D. Biotechnology

## **2. DEPARTMENT'S FACULTY LIST:**

- 1) Dr. H. S. Dhaliwal  
Professor and Dean Akal School of Biotechnology  
M.Sc. Plant Breed. (PAU Ludhiana), Ph.D. Genetics (UC Riverside, USA),  
P.D.F. (UC Riverside, USA)
- 2) Dr. Vishal Chugh  
Assistant Professor  
M.Sc. Biochem., Ph.D. Biochem. (PAU Ludhiana)
- 3) Dr. Dharmendra Singh  
Assistant Professor  
M.Sc. Biotech. (IIT Roorkee), Ph.D. Biotech. (BIT Mesra, Ranchi)
- 4) Dr. Vinod Sangwan  
Assistant Professor  
M.Sc. Biochem. (Kurukshetra Univ.), Ph.D. Biochem. (G.B. Pant Univ.)
- 5) Dr. Prabhjot Kaur Gill  
Assistant Professor  
M.Sc. Microbio. Ph.D. Biotech. (G.N.D.U, Amritsar), P.D.F. (Univ.  
Tuebingen, Germany)
- 6) Er. Rajveer Singh  
Lecturer  
B.Tech. Biotech. (Amity Univ.), M.Tech. Biotech (VIT, Vellore)

## **3. ESTABLISHMENT OF LABORATORIES:**

A set of four labs has been established in the Akal School of Biotechnology, including Central Instrumentation, Plant Biotechnology, Molecular Biology and Microbiology labs. The work on protein profiling and molecular marker studies on germplasm of different crops available with Akal School of Biotechnology are already under progress and analytical lab is equipped with necessary instruments related to elemental analysis.

**Construction of a Polyhouse:** A polyhouse of 500 sq.m area with provision of drip and fogging device has been constructed for growing of various crops and medicinal plants.

#### 4. LIST OF INSTRUMENTS PURCHASED IN YEAR 2012-13

Instrument	Model	Cost (INR Lakhs)
Atomic Absorption Spectrometer	Varian	22
Microwave Digestion System	Anton Parr	11
Metal Free Grinder	Retsch	8
Laminar Air Flow	Perfit	0.5
Magnüs MLX-DX Microscope	Olympus	2.5
Orbital Shaker	Tarson	0.5

#### 5. RESEARCH ACTIVITIES:

The germplasm of related wild *Aegilops* and *Triticum* species, landraces and cultivars of wheat, barley and oats and various functional food crops including buckwheat, finger millet, pearl millet, soyabean, quality protein maize, amaranths and many medicinal plants collected from various sources is being regularly grown in the Eternal University Experimental farm and polyhouse.

#### 6. LIST OF GRANTS APPROVED

1) **Project:** Biofortification of wheat for high grain micronutrients through conventional and molecular breeding approaches Phase-II.

**Funding agency:** Department of Biotechnology (DBT)

**Sanctioned amount:** Rs. 109.34 Lakh for a period of five years

**Sanctioned year and status:** Awarded and ongoing since May 2012

**Coordinator:** Dr. H. S. Dhaliwal

**Investigators:** Dr. Vishal Chugh, Dr. Dharmendra Singh

**Project summary:** About two billion people of the world in the developing countries depending largely on staple cereal and tuber crops suffer from iron (Fe) and zinc (Zn) micronutrient deficiency. Among several approaches to alleviate the micronutrient deficiency, crop biofortification for higher grain Fe and Zn content is the most feasible and cost effective. There is very low

grain micronutrient content and limited variability among the bread and durum wheat cultivars. A number of related progenitor and non-progenitor *Triticum* and *Aegilops* species possess 2-3 times higher grain Fe and Zn content as compared to that of the bread and durum wheat cultivars. Through several ongoing mapping and wide hybridization projects in wheat and related species a number of alien-wheat chromosome translocation, addition and substitution lines carrying genes controlling high Fe and Zn have been developed. The proposed project aims at using the alien introgression lines and wild donor species for precise transfer of the requisite alien chromosome fragments in the elite wheat cultivar background with least linkage drag for their commercial cultivation. Precise transfers will be obtained through irradiation and induced homoeologous chromosome pairing. The recombinants with compensating transfers with least linkage drag will be identified through nutrient analysis, GISH, FISH and application of wheat anchored SSR markers. Large transfers can be further routed through another cycle of induced homoeologous pairing and characterization. Only those lines with comparable yield and harvest index to that of the recipient wheat cultivars and high grain micronutrients will be made available to wheat breeders for further testing, use in breeding programmes and release. Two or more of the small transfers among these derivatives will be pyramided using linked molecular markers for attaining still higher levels of micronutrients. Such lines with pyramided fragments will be further crossed with low phytic acid mutants of wheat, if available, for ensuring higher bioavailability of the biofortified micronutrients.

2) Application for assistance for creation of infrastructural facilities under the scheme for Human Resource Development

**Funding agency:** Ministry of Food Processing Industries (MoFPI)

**Sanctioned amount:** Rs. 75.00 Lakh

**Sanctioned year and status:** Approved

**Submitted by:** Dr. H. S. Dhaliwal, Dr. Tejinder Singh, Dr. Vishal Chugh

**Summary:** Food processing industry has emerged as one of the most promising sectors in India during the last few years. It has acquired the foremost position in manufacturing of value added food products and is

likely to expand at a very fast rate. Liberalization of economic policy has resulted in opening up a new chapter of global cooperation and promoting entry of multinational companies in the country. This in conjunction with the Government policy to encourage food processing industry has necessitated availability of human resources adequately trained in all aspects of modern and global activities associated with food processing industry. The present scenario of human resource development in Himachal Pradesh in the area of Food Technology shows a wide gap in the trained graduates and the expansion of food business programmes. Strategy for generating adequately trained professionals competent to seize the present day opportunity in the food processing sector is imperative. There is a dire need to start a **Post-graduation programme in Food Technology** to cope up with the requirements of the food industry. It was therefore, proposed to initiate post-graduate programme in Food Technology within the Eeternal University with the infrastructural support of Ministry of Food Processing Industry, Govt. of India with the following objectives:

- Development of manpower in food technology
- Development of innovative technology for nutraceuticals and health foods
- Value addition of fruits, vegetables and cereals
- Study of nutritional benefits of health foods to the consumers
- Study of shelf-life and storage stability of the health food products
- Establish linkages with local farmers & food industry

The proposal has been approved with three pilot plants and an analytical lab at a total cost of Rs. 75 Lakh.

**3) Project:** Deciphering rust-specific miRNAs and development of RNAi platform in wheat

**Funding agency:** Department of Biotechnology (DBT)

**Sanctioned amount:** Rs. 92.38 Lakh

**Sanctioned year and status:** Approved

**Principle Investigator:** Dr. Dharmendra Singh

**Co-Investigators:** Dr. H. S. Dhaliwal

**Project Summary:** Bread wheat (*Triticum aestivum*) is the second most important food crop, but very less research had been done on its functional genomics aspects compared to other cereals, primarily due to the large genome size and absence of a sequenced genome. The major threat to wheat production is the rust epidemics that affect 80% of the wheat cultivating area in India. Although various agronomic and genetic initiatives were taken in the past, little is known on the molecular basis of wheat and the rust pathogen interactions. RNA interference (RNAi) is a cellular mechanism in which double-stranded RNA molecules drive the post-transcriptional silencing of genes with homologous sequences. Plant gene silencing can be used to assess the role of the host genes in the plant-pathogen interaction. RNAi has been routinely used in model organisms like rice and Arabidopsis to characterize gene function, including those related to pathogenesis. In polyploid species like wheat; application of this technique is becoming exceptionally focused as multiple homeologous copies can be simultaneously silenced using a single RNAi construct. The present study will focus on identification of miRNAs that specifically target the pathogen virulence genes, genes encoding proteins of secretome and host R/other differentially regulated defense genes during incompatible and compatible interactions. The availability of genome and EST sequences of *Puccinia* species recently will enable *in silico* analysis of its transcripts, particularly the secreted gene products with a predicted signal peptide, for identification of target sequences. The proposal has been approved by Department of Biotechnology, Govt. of India, New Delhi in collaboration with BIT Mesra, Ranchi.

**4) Concept Note Submitted:** Improvement of nitrogen (N) and phosphorous (P) use efficiency of *T. turgidum* var. durum through AB-QTL introgression.

**Funding agency:** Department of Biotechnology (DBT)

**Grant requested:** Rs. 148.97 Lakh

**Investigators:** Dr. Dharmendra Singh, Dr. H. S. Dhaliwal and Dr. Vinod Sangwan

**Project summary:** Bread wheat (*Triticum aestivum* L.) is the staple food crop for people of developing countries. The projected demand of wheat for

human consumption is expected to grow at 1.6 % per annum by 2020 under the continuous depletion of resources. From total micronutrient content present in soil only 35 % of N and 25% of P<sub>2</sub>O<sub>5</sub> is taken up by plants, while the remaining unutilized N and P remain in the environment causing problems like green house effect and stratospheric ozone depletion due to N<sub>2</sub>O, high NO<sub>3</sub><sup>-</sup> into groundwater, eutrophication of waterbodies through production of algal bloom. Therefore, the future agricultural system need to be more productive and efficient in terms of fertilizer and water inputs under the increasing energy costs and scarcity of resources. The improvement of nutrient use efficiency can be achieved through: either adopting more efficient crop management practices or breeding more nutrient use efficient cultivars or combination of both. Different genes/QTL, root architecture and modulation play important role in nutrient acquisition from soil. The complex regulation of N- and P-related pathways and inadequate efficiency of the available genes/QTL necessitate the identification of new large-effect genes/QTL from the related wild species for N and P use efficiency. The wild relatives of wheat such as *Triticum dicoccoides* (AABB), *T. araraticum* (AAGG), *T. urartu* (AuAu) and *T. boeoticum* (AbAb) have been reported to have genotypes with highly efficient nutrient uptake systems that has led to their sustainability in harsh unfavourable environment. The present study will, therefore focus on the development of highly nutrient efficient *Triticum turgidum* var. *durum* cultivar with introgression of genes/QTL involved in pathways controlling the uptake, utilization and partitioning of N and P and molecular marker linked to the same using AB-QTL approach.

## 7. IN HOUSE RESEARCH PROJECTS:

### 1) Characterization of microbial phytases for increased micro nutrient bioavailability

**Project summary:** Most of the cereals and legumes are rich in carbohydrates and protein but some of them have antinutritional factors which discourage their use in food. One such antinutritional factor is phytic acid (PA), which is the major storage form of phosphorus (P) (60-80%), in soils, grains and manures from monogastric animals. It acts as an antinutrient due to its capability of chelation of various metals and binding of proteins, therefore diminishing their bioavailability. PA exists primarily as metal phytate complex with nutritionally important cations such as  $\text{Ca}^{2+}$ ,  $\text{Fe}^{2+}$  and  $\text{Zn}^{2+}$ . Monogastric animals, e.g., human, pig, poultry and fish poorly utilize this form of phytate due to lack of enzyme or the inadequate catalytic ability for hydrolysis of phytate complexes. Therefore, to meet their daily need, phosphorus is added to diet of these animals, which leads to increased cost of feed. This supplemented phosphorus does not diminish the antinutritive effect of phytate and consumption of feed containing large amount of phytate may cause several mineral deficiency symptoms. Phytase hydrolyzes phytic acid with the release of one or more phosphoric acid groups. Generally, enzymes for industrial application require high thermostability. Although many phytases have been demonstrated to be useful as feed additive in monogastric animals and various phytase preparations are commercially available, none of the commercial phytases assessed, satisfied all of the criteria of an ideal phytase for use in animal feed. Considering this, different bacterial and fungal isolates are being studied for their potential for phytase production and characterization of phytases from these microbes for their application is under progress.

### 2) Biological control of *Parthenium hysterophorus*

**Project summary:** *Parthenium hysterophorus* L., commonly known as carrot weed or congress grass in India, has been considered as one of the

notorious weed responsible for causing health problems in men and animals besides loss to crop productivity and plant biodiversity. The weed has been spread to about 35 million hectares of land in India since it's first noticed in 1955. It is prevailed in all types of agricultural lands apart from growing in wasteland, community land, and forests. Different strategies are adopted to eradicate this weed including application of weedicides and other chemicals. Till now no efficient biological control was reported against this weed. Therefore, we have taken initiative with different strategies including host-specific leaf-feeding beetle *Zygogramma bicolorata* Pallister (Coleoptera: Chrysomelidae) and some potential fungal species against parthenium.

### **3) Development of Kunitz Trypsin Inhibitor Free lines of soybean**

**Project summary:** It is difficult to digest soybean proteins due to the presence of trypsin inhibitor in its seeds. A null mutant for trypsin inhibitor has been received from USA and the gene for the same has been tagged. The work has been going on to transfer this null mutant into early maturing popular cultivars of soybean Brag and VL Bhat through MAS.

### **4) Development of Quality Protein Maize lines using *Opaque2* gene mutants**

**Project summary:** The Opaque2 mutant of maize leads to high amount of the two essential amino acids lysine and tryptophan highly deficient in cereal grains through change of seed storage composition and the same has been tagged with molecular markers. The protein composition of the opaque 2 mutant is equivalent to that of milk casein. These opaque mutant hybrids are being successfully grown at Baru Sahib with yield higher than the local cultivars. The opaque 2 mutant is also being transferred to the local white and yellow maize cultivars through MAS.

## **8. POST GRADUATE THESIS/ DISSERTATIONS**

- 1) Isolation and characterization of bacterial isolates for phytase production.  
**(Harpreet Kaur Kalsi BS11MSBT001)**
- 2) Molecular characterization of cereal crops for puroindolines.  
**(Kirandeep Kaur BS11MSBT002)**

- 3) Cytological and biochemical characterization of wheat-*Ae. Longissima* derivatives with high grain micronutrients. (**Priti Sharma BS11MSBT003**)

## 9. SUMMER TRAINING

We initiated the summer training programme having experimental modules from each lab. This year two students had done summer training in Akal School of Biotechnology.

## 10. LIST OF PUBLICATIONS OF DEPARTMENT IN 2012-13

1. Chhuneja, P., Kumar, K., Stirnweis, D., Hurni, S., Keller, B., Dhaliwal, H. S., and Singh, K. (2012). Identification and mapping of two powdery mildew resistance genes in *Triticum boeoticum* L. *Theor. Appl. Genet.*, 124: 1051-1058.
2. Paul, P., Awasthi, A., Rai, A. K., Gupta, S. K., Prasad, R., Sharma, T. R., and Dhaliwal, H. S. (2012). Reduced tillering in Basmati rice T-DNA insertional mutant OsTEF1 associates with differential expression of stress related genes and transcription factors. *Func. Int. Genom.*, 12: 291-304.
3. Salunke, R., Rawat, N., Tiwari, V. K., Neelam, K., Randhawa, G. S., Dhaliwal, H. S., and Roy, P. (2012). Determination of bioavailable-zinc from biofortified wheat using a coupled *in vitro* digestion/Caco-2 reporter-gene based assay. *J. Food Comp. and Anal.*, 25: 149-159.
4. Paul, P., Awasthi, A., Kumar, S., Verma, S. K., Prasad, R., and Dhaliwal, H. S. (2012). Development of multiple embryos in polyembryonic insertional mutant OsPE of rice. *Plant cell reports*, 31: 1779-1787.
5. Awasthi, A., Paul, P., Kumar, S., Verma, S. K., Prasad, R., and Dhaliwal, H. S. (2012). Abnormal endosperm development causes female sterility in rice insertional mutant *OsAPC6*. *Plant Science*, 183: 167-174.
6. Ansari, M. J., Kumar, R., Singh, K., and Dhaliwal, H. S. (2012). Characterization and molecular mapping of EMS-induced brittle culm

- mutants of diploid wheat (*Triticum monococcum* L.). *Euphytica*, 186: 165-176.
7. Prashant, R., Kadoo, N., Desale, C., Kore, P., Dhaliwal, H. S., Chhuneja, P., and Gupta, V. (2012). Kernel morphometric traits in hexaploid wheat (*Triticum aestivum* L.) are modulated by intricate QTL x QTL and genotype x environment interactions. *J. Cereal Sci.* 56: 432-439
  8. Durga Prasad Panigrahi, Anil Kumar, Vishal Chugh, H S Dhaliwal “Prospects of genetically engineered microbes and plants in renewable biofuel production” Oral presentation in *International Conference on Re-newable energy*, 5-6 May, 2012.
  9. Neelam, K., Rawat, N., Tiwari, V. K., Ghandhi, N., Arun, P. C., Kumar, S., Dhaliwal H.S. and Kharabian, A. (2013). Development and molecular characterization of wheat-*Aegilops longissima* derivatives with high grain micronutrients. *Aust. J. Crop Sci.*, 7: 508.
  10. Rawat, N., Neelam, K., Tiwari, V. K., and Dhaliwal, H. S. (2013). Biofortification of cereals to overcome hidden hunger. *Plant Breeding* (doi:10.1111/pbr.12040).
  11. Neelam, K., Rawat, N., Tiwari, V. K., Prasad, R., Tripathi, S. K., Randhawa, G. S., and Dhaliwal, H. S. (2012). Evaluation and identification of wheat-*Aegilops* addition lines controlling high grain iron and zinc concentration and mugineic acid production. *Cereal Res. Comm.*, 40: 53-61.
  12. Narinder Kaur, Vishal Chugh and Anil K Gupta.(2012) Essential Fatty acids as Functional foods. *Journal of Food Science and Technology*. DOI 10.1007/s 13197-012-06770-0
  13. Vishal Chugh and H.S. Dhaliwal (2012). “Biofortification of Staple crops” In: Gurbir Bhullar and Navreet Bhullar *Agricultural Sustainability Progress and Prospects in Crop Research*, ELSEVIER Publications, Chapter 09, 177-190.
  14. Vinod Kumar, Prashant singh, Milko A. Jorquera, Punesh Sangwan, Piyush Kumar, A. K. Verma, Sanjeev Agrawal (2013) Isolation of phytase-producing bacteria from Himalayan soils and their effect on

growth and phosphorus uptake of Indian mustard (*Brassica juncea*),  
World journal of microbiology and biotechnology, DOI  
10.1007/s11274-013-1299-z

15. Vinod Kumar, Gopal Singh, A K. Verma, Sanjeev Agrawal (2012) In silico characterization of histidine acid phytase sequences. *Enzyme Research*, Volume 2012:8 pages, doi:10.1155/2012/845465



**Micronutrient analysis lab funded by Department of Biotechnology (DBT), Govt. of India, New Delhi**



**Faculty and students of Akal School of Biotechnology at Etemal University Experiemntal Farms attempting wide hybridization between wheat and related wild species for introgression of useful traits.**



**Different crops of wild wheat, wheat, barley, oats and soybean grown at Etemal University Expe rimental Farm.**



**Development of quality protein maize and biofortified wheat through Marker Assisted Breeding at Eternal University Experimental Farm, cloning of phytase gene at Microbiology Lab and application of DNA based markers for Marker Assisted Selection at Molecular Biology Lab using thermal cycler, gel documentation system.**

# **AKAL SCHOOL OF BUSINESS ADMINISTRATION**

## **ASBA**

### **1. Introduction:-**

The world has become a global village with the modern science and technological advancement. In this fast changing world, managing scarce resources has become a challenge where one needs unique quantitative & personal skills to be efficient, productive and competitive at the national and international levels. Akal School of Business Administration with such skills and international training through a network of renowned faculty and exchange programs in major areas of resource management is offering specialization in Marketing, Finance, Health Care and Human Resource. To update the knowledge of students special lectures from eminent management professionals are arranged frequently. It has developed a unique model of value based education and training with free interaction with the local, national & international industry and NGOs for deep commitment to community & social responsibility.

### **2. Degrees to be awarded:-**

1. MBA

### **3. Academic excellence:-**

#### **A. List of faculty members**

1. **Dr. J.L.Sharma**

Dean Akal School of Economics

(With additional Charge) Dean Akal School of Business Administration

3. **Mr. Parveen Mehta**

Assistant Professor

4. **Mr. Pawan Dubey**

Lecturer

5. **MS. Gitanjali Mehta**

Lecturer

6. **Ms. Jasleen Kaur**

Lecturer

#### **B. Visiting Faculty**

1. **Mr. D.K.Sharma**

Professor

2. **Dr. Manmohan S. Atwal**

Professor

### **3. Dr. Y.P Sachdeva**

Professor

### **4. Mr. R.Sreeni**

Management Expert

#### **F. Guest Lectures**

- Guest lecture was given by Prof. Y.S Sachdeva from Punjab Agriculture University, Ludhiana on the topic of Communication skills in May; 2013. The Students and Faculty of Akal School of Business Administration took great advantage of this Talk.
- Guest lectures was delivered by Prof. James Petterwoods from USA on the topic of Finance & HRM in March, 2013. All the students took great advantage from this.

#### **D. List of research Project undertaken by MBA students**

1. **Amanpreet Kaur:** An analysis of consumption pattern of household in Modinagar Tehsil, District Ghaziabad (U.P), 2013.
2. **Hermeet Kaur:** A study of industrial relations in pharmaceuticals industry in district Sirmour (H.P), 2013.
3. **Jasveer Kaur:** Growth of mutual fund in district Barnala (Punjab), 2013.
4. **Singh Nisha:** Role & need of talent management in telecom sector focusing on Aircel telecom. 2013
5. **Nishant Raj:** Recruitment & selection in context with employee turnover “A case study of manufacturing industries in Solan district (H.P) , 2013
6. **Pawandeep Kaur:** To analyze the awareness of life insurance policy among customers with reference to other investment option in village Pohir. Ludiana (Punjab), 2013.
7. **Ripu Daman:** A study on employees satisfaction in manufacturing industries in Terrace tehsil, District Kangra (H.P), 2013.
8. **Shelly:** A case study of factors determining job -satisfaction of employees in educational institutions” in Hoshiarpur district (Punjab) , 2013.

**E Seminars:** In each semester, all the students of Akal School of Business Administration are assigned topic in the beginning of the semester on various business issues, which are to be presented during the semester with the help of PPTs. This is an attempt to improve the communicational Skills of the students.

#### **4. Physical infrastructure**

- Lecture hall- 3
- Seminar hall- 1
- 24 hour Wi-Fi connectivity

#### **5. Conference and Seminars**

- An International Conference on Global Nursing was held on 1<sup>st</sup> & 02<sup>nd</sup> Dec, 2012 in Akal college of Nursing, Baru Sahib. The Faculty members and Students of Akal School of Business administration took part in it.

#### **6. Achievement: (Placements of students)**

- The first batch of MBA Students have completed their Degree in 2013
- Two Students of the Akal School of Business Administration have been selected in State Bank of India.
- One Student of ASBA has joined as Asstt. Finance executive in Akal Academy, Baru Sahib ( H.P )
- One Students of the Akal School of Business Administration has been selected in Ranbaxy Pharmaceutical.

#### **7. Future thrust areas**

- The department is planning to undertake the research projects on various issues such as problems of new emerging business in India, entrepreneurial development & growth of corporate sector.
- For the exposure of the students, the department will organize guest lecture by eminent expert of corporate sector.
- For the enhancement of student's skill, department will organize PDP programme.
- The department will further strengthen the communication skills of the students through participation of students in seminars.
- To develop moral values among the students eminent expert will be invited to deliver special lecture.

# AKAL SCHOOL OF PUBLIC HEALTH

With the increase of Public Health Problems in all spheres of life world over, the demand and scope of Public Health Expertise have also increased. For that sake the Eternal University has started a two year residential course in Master of Public Health (MPH) and two years residential course in Master of Hospital Administration (MHA) with effect from the session of 2011-2012. Akal School of Public Health, Eternal University, Baru Sahib started functioning since July, 2010 as a new discipline of Public Health academic unit. The school has come out with the mission as defining and initiating new stream in the field of Public Health. It will be functioning in collaboration with Akal Charitable Hospital, Akal School of Biotechnology, , Akal College of Nursing and Center for the empowerment of Rural Women.

The goal of this discipline is to acquire basic understanding of how the Public Health Systems operate and to develop effective technologies for applications across the wide range of social needs through research and education.

## **Scope of Research:**

The Akal School of Public Health is having a team of versatile and dedicated teachers. The projects are under process and are being planned for getting grants-in-aid from the Central and State Governments as well as other National and International funding agencies.

## **Courses offered as approved by HP Government:**

### **❖ Master in Public Health as MPH (Four Semesters):**

#### **Eligibility:**

Must have earned a bachelor's degree in some area relevant to Public Health such as: *Medical, Dental, Veterinary, Ayurvedic, Homeopathy, Nursing, Pharmacy, Physiotherapy, Agriculture, AYUSH, Science, Engineering or Biotechnology with at least 50% marks or post graduate degree in Clinical Psychology, Social Science, Nutrition, Zoology, Botany* or in any of the above mentioned disciplines and Post Graduate Diploma in related subjects.

### **❖ Master in Hospital Administration as MHA (Four Semesters):**

#### **Eligibility:**

Must have earned a bachelor's degree in some area relevant to Health, Hospital and Public Health Management and Administrations such as:

*Medical, Dental, Ayurvedic, Homeopathy, Physiotherapy, Nursing or AYUSH with at least 50% marks or post graduate degree in any of the above mentioned disciplines.*

## **Laboratories and Infrastructure:**

There is a fully equipped medical laboratory under the control of Akal Charitable Hospital Baru Sahib. All routine as well as specific investigations facilities are available in this hospital. The Akal Charitable hospital is fully functional with all out-door and indoor facilities for the patients.

Other laboratories being collaborated for Public Health interest are available there in the Departments of Bio-Technology, Akal College of Nursing and Akal Academy as:

- **Food and Nutrition**
- **Food Technology**
- **Microbiology and Biochemistry**
- **Emergency Nursing Care Lab**
- **Effluent Treatment Plant, Akal Academy Campus**
- **Incinerator Unit**
- **Water Purification Plant**

Being the budding institute as the Akal School of Public Health we are having exchange teaching and training programme with other nearby Medical Colleges/Institutes/ Universities as per the following panel:

- ❖ **All India Institute of Medical Sciences, New Delhi**
- ❖ **Post Graduate Institute of Medical Education & Research, Chandigarh**
- ❖ **Sanjay Gandhi Institute of Medical Education & Research, Lucknow**
- ❖ **National Center for the Control of Diseases, Sham Nath Marg, Delhi**
- ❖ **National Institute of Health & Family Welfare, Munirka, New Delhi**
- ❖ **Pt. BD Sharma Post Graduate Institute of Medical Sciences, Rohtak, Haryana.**
- ❖ **School of Public Health, Department of Community Medicine, PGIMER, Chandigarh**
- ❖ **Department of Hospital Administration, PGIMER, Chandigarh**
- ❖ **Indira Gandhi Medical College, Shimla, HP**
- ❖ **State Institute of Health & Family Welfare, Pari Mahal, Kasumpti, Shimla, HP.**
- ❖ **Directorate of Health and Family Welfare, Himachal Pradesh, Shimla.**
- ❖ **Government Medical College, Sector-32, Chandigarh**
- ❖ **Center for Public Health, UIEAST, Panjab University, Chandigarh**
- ❖ **Directorate of Health and Family Welfare, Punjab, Sector-34, Chandigarh**
- ❖ **State Institute of Health & Family Welfare, Punjab, Civil Hospital Complex, Phase-VI, Mohali, Punjab.**
- ❖ **Fortis Heart and Multispecialty Hospital, Phase-VIII, Mohali, Punjab**

These Institutes/Medical Colleges/Universities are working as our field practice centres as well as Public Health Resource centres.

**The overall goal of Master of Public Health Programme is to provide Students with a Population Perspective on Health. The Akal School of Public Health designed the MPH program to prepare students to tackle current and Emerging Global Health and Public Health Problems. Akal School of Public Health MPH program recognizes that in Today's World a**

**Thorough and Rigorous Health Education must embrace multiple areas through inter-sectoral and multi-sectoral cooperation:**

**Teaching and Training Faculty:**

<b>Srl. No.</b>	<b>Name</b>	<b>Designation</b>	<b>Qualifications</b>	<b>Specialization</b>
1.	Prof. MS Atwal	Vice Chancellor	MBA;MPH; PhD	Public Health
2.	Prof. H.S. Chauhan	Prof. & Dean: Akal School of Public Health, Eternal University, Baru Sahib	MBBS;DOMS; MD;MPHCM; FETP;PDC; MBA; MPH; Dip. Popul. Education; PhD	Public Health; Community Ophthalmology
3.	Prof. N. K. Ralhan	Prof. & Dean: Akal School of Chemistry and Environment	MSc; PhD	Environmental Sciences
3.	Prof. J.L. Sharma	Prof. & Dean: Akal School of Economics	MSc; PhD	Health Economics and Planning
5.	Dr. Davinder Singh	Registrar Eternal University	MBBS; MD	Internal Medicine
6.	Dr. Neelam Kaur	Dean: Health Sciences	MBBS; MS	Community Ophthalmology

### **3. AUTHORITIES OF ETERNAL UNIVERSITY**

- 1. Governing Body**
- 2. Board of Management**
- 3. Academic Council**

“No person was ever honoured for what he received. Honour has been the reward for what he gave”.

**- Calvin Golidge.**



# Eternal University

(World peace through value based education)

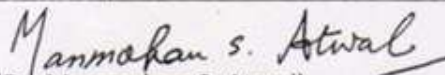
No EU/VCO/Notification/067/01

Date- 18-May-2012

## NOTIFICATION

In pursuance of Clause 18 (i) of Eternal University (Establishment and Regulation) Act No. 3 of 2009 and Amendment Act No. 23 of 2012. The Chancellor of Eternal University is pleased to Constitute the **Governing Body** of Eternal University, Baru Sahib consisting of the following members:

1.	Hon'ble Baba Iqbal Singh Ji (Chancellor)	Chairman
2.	Dr. Manmohan S. Atwal (Vice Chancellor)	Member
3.	Dr. Davinder Singh	Member (Nominee of Sponsoring Body)
4.	Mr. Jaiwinder Singh	Member (Nominee of Sponsoring Body)
5.	Mr. N.S. Mann	Member (Nominee of Sponsoring Body)
6.	Dr. (Col.) Rajinder Singh	Member ( Outside Expert)
7.	Secretary Hr. Education (H.P.Govt.)	Member ( Nominee of Government)
8.	Secretary Technical Education (H.P. Govt.)	Member ( Nominee of Government)
9.	S. Rakesh Pathania , M.L.A.	Member of State Legislative Assembly
10.	Sh. Randheer Sharma, M.L.A	Member of State Legislative Assembly

  
(Dr. Manmohan S. Atwal)  
Vice Chancellor  
Eternal University

BARU SAHIB, VIA RAJGARH, DISTT: SIRMOUR, HIMACHAL PRADESH-173101 (INDIA)

Tele: 01799-276012, Fax: 01799-276006 Web site: [www.eternaluniversity.edu.in](http://www.eternaluniversity.edu.in)



# Eternal University

(World peace through value based education)

No EU/VCO/Notification/

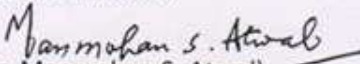
Date. August, 12<sup>th</sup>. 2012

## NOTIFICATION

In pursuance of Clause 19 (i) of Eternal University (Establishment and Regulation) Act No. 3 of 2009 and Amendment Act No. 23 of 2012. The Chancellor of Eternal University is pleased to Constitute the **Board of Management** of Eternal University, Baru Sahib consisting of the following members:

1.	Dr. Manmohan S. Atwal (Vice Chancellor)	Chairman
2.	Dr. H.S. Dahliwal (Dean)	Member
3.	Dr. N.K. Raihan (Dean)	Member
4.	Mr. Jaivinder Singh	Member (Nominee of Sponsoring Body)
5.	Dr. Neelam Kaur	Member (Nominee of Sponsoring Body)
6.	Prof. Gurmail Singh	Member (Professor)
7.	Mr. D.K. Sharma	Member (Professor)
8.	Dr. Davinder Singh (Registrar)	Member Secretary
9.	To be nominated by H.P. Government	Member
10.	To be nominated by H.P. Government	Member

Eternal University Notification No EU/VCO/Notification/067/02 dt 18 May 2012 may please be treated as cancelled.

  
(Dr. Manmohan S. Atwal)

Vice Chancellor  
Eternal University



# Eternal University

(World peace through value based education)

No EU/VCO/Notification/

Date- 10-Aug-2012

## NOTIFICATION

In pursuance of Clause 20 (i) of Eternal University (Establishment and Regulation) Act No. 3 of 2009 Clause 20 and Clause No. 18 (i) (a) and (b) of the First Statute of the Eternal University, Baru Sahib. The Chancellor of Eternal University is pleased to Constitute the **Academic Council** of Eternal University, Baru Sahib consisting of the following members:

1.	Dr. Manmohan S. Atwal (Vice Chancellor)	Chairman
2.	Dr. Davinder Singh (Registrar)	Member/Secretary
3.	Dr. H.S. Dhaliwal	Member
4.	Dr. N.K.Ralhan	Member
5.	Dr. Neelam Kaur	Member
6.	Dr. Jasjit B. Atwal	Member
7.	Dr. Satinder Brar	Member
8.	Dr. Mrs. Satwant Baltej	Member
9.	Dr. I.S. Hudhara	Member
10.	Dr. Purvi Luniyal	Member
11.	Dr. J. L. Sharma	Member
12.	Dr. M. P. S. Chandrawat	Member

Continued.....

13.	Dr. Ajit Singh	Member
14.	Mrs. Kamal Anand	Member
15.	Sh. Yogesh Mohan Kaushik	Member
16.	Dr. K.C. Verma	Member
17.	Dr. H. S. Chauhan	Member
18.	Dr. S.S. Marwaha	Member
19.	Dr. Suraj Aggarwal	Member
20.	Dr. Manmohan Singh Arora	Member

*Manmohan S. Atwal*  
 (Dr. Manmohan S. Atwal)  
 Vice Chancellor  
 Eternal University

## **4. OFFICERS OF THE UNIVERSITY**

“Every class is unfit to govern if there is no action”.

- **Bacon.**

# OFFICERS OF UNIVERSITY

Sr. No	Designation	Name of the officer
1.	Chancellor	Baba Iqbal Singh Ji Director ( Rtd.) Department of Agriculture , H.P.
2.	Vice Chancellor	<a href="#">Dr. Manmohan Singh Atwal</a> , <b>M.Sc. (Hons.) (Punjab), M.S. (Ohio State), Ph.D. (Illinois), Executive MBA (Columbia), M.P.H. (Johns Hopkins), PDF (UC-Berkley), PDF (Johns Hopkins), PDF (Columbia).</b>
3.	Registrar & Dean Faculty of Education	Dr. Davinder Singh M.B.B.S (Delhi), M.D. (Delhi)
4.	Dean Faculty of Health Sciences	Dr. Neelam Kaur M.B.B.S (Delhi), M.S. (Punjab)
5.	Dean, Akal School of Biotechnology	Dr. H. S. Dhaliwal M.Sc. Plant Breed. (P.A.U.), Ph.D. Genetics (University of California, Riverside, U.S.A.), P.D.F. (UC Riverside, U.S.A.)
6.	Dean, Akal School of Chemistry	Dr. N. K. Ralhan M.Sc. Chemistry, (Pb), Ph.D (Pb.), Post-Doctoral (Lousiana, U.S.A.)
7.	Dean of Engineering & Technology/ Professor Incharge Examination	Dr. I. S. Hudiara B.E. (Punjab) M. E. (London), Ph.D.(Bradford) P.D.F. (Surrey) M.B.A. Finance, F.I.E.T.E., F.I.E.
8.	Dean of Post Graduate Studies	Dr. N. K. Ralhan M.Sc. Chemistry, (Pb), Ph.D (Pb.), Post-Doctoral (Lousiana, U.S.A.)
9.	Assistant Dean of Student Welfare	Sh. M. P. Singh
10.	Dean, Akal School of Divine Music & Spiritualism	Dr. Purvi Lunial M.A.(Vocal) MDU, M.Mus. (Vocal) MDU, Ph.D( M.D.U., Rohtak), U.G.C. NET, Sangeet Prabhakar(Vocal)
11.	Dean of Library and Information System	Dr. Ajit Singh B.A. (Hons), M.A, M. Lib. Sc, (Punjab), D.C.O, P.G.D.D.E, (IGNOU) Ph.D. (Punjabi)
12.	Chief Finance Officer (Acting)	Mr. Harvinder Pal Singh CA (ICAI, New Delhi)

**5. SANCTIONED POSTS, FACULTY,  
ADMINISTRATIVE NON TEACHING  
AND SUPPORTING STAFF**

“A teacher can never truly teach, unless he is still learning in himself. A lamp can never light another lamp unless it contains to burn its own flame”.

- **Rabinder Nath Tagore.**

**Eternal University**  
**Statement of Budgeted Salary**  
Year 2012-13

Annexure C

Particulars	Monthly Salary Per Teacher (In Rs Lacs)	Number of Estimated Teachers	Monthly Expenses (In Rs Lacs)	Annual Expenses (In Rs Lacs)
Professor	1.00	17	17.00	204.00
Associate Professors	0.70	20	14.00	168.00
Asst. Professors	0.50	46	23.00	276.00
Lecturers /Research Scholars	0.20	37	7.40	88.80
Adminstrative Staff for Eternal University	0.45	7	3.15	37.80
Non.- Teaching & other Supporting Staff	0.16	34	5.44	65.28
<b>Total</b>				<b>839.88</b>

## **6. ADMINISTRATIVE, NON-TEACHING AND TEACHING STAFF**

“A small daily task, if it be really daily will beat the labours of spasmodic Hercules”.

# **ETERNAL UNIVERSITY, BARU SAHIB**

## **Administrative & Non-Teaching Staff**

Ser No	Name (s)	Designation	Date of		Contact Nos
			Initial Joining	Present Appointment	
1.	Dr. Manmohan S. Atwal	Vice Chancellor	30/04/2008 (on adhoc)	01/08/2009 (Regular)	9816395437
2.	Dr. Davinder Singh	Registrar & Dean Faculty of Education	06/08/2010	06/08/2010	9816400503
3.	Dr. Neelam Kaur	Dean Faculty of Health Sciences	05/09/2008	05/09/2008	9816400504
4.	Dr. V.R. Parshad	Controller of Examination	17/10/2012	17/10/2012	9816900860
5.	Dr. Ajit Singh	Dean Library and Information System	06/05/2009	26/05/2012	9816400603
6.	Ms Pushpinder Kaur	Director Training & Placement	/03/2013	/03/2013	08527508389 01142434212
7.	Mr. Harvinder Pal Singh	Finance Office (Adhoc)	01/04/2013	01/04/2013	09953788698
8.	Mr. Sat Pall Sharma	Director Counseling & Admission	16/11/2012	16/11/2012	09816640660
9.	Mr. Kulwant Singh Basra	Director Communication	23/11/2012	23/11/2012	09805098709
10.	Mr. KS Virk	Office Supdt.	24/02/2012	24/02/2012	9805098724
11.	Mr. Shobha Singh	Office Supdt Examination Branch	23/03/2012	23/03/2012	8626912680
12.	Mr. Paramjit Singh	Office Supdt Registrar's Office	21/5/2012	21/05/2012	8627879638
13.	Mr. Amar Singh	Office Supdt.	19/05/2013	19/05/2013	08427982106& 09816755800
14.	Mr. Mahinder Pal Singh	Education Administration	25/07/2012	25/07/2012	9816400546
		Associate DSW	18/09/2012	18/09/2012	
15.	Mr. Jasmeet Singh	Asst. System Administrator	27/09/2010	27/09/2010	9882233067

16.	Mr. Sushil Kumar	Asst. System Administrator	01/08/2010	01/08/2010	9350459387
17.	Mr. Arminder Singh	Technical Asst.	15/04/2011	11/04/2012	9882715366
18.	Mr. Satwant Singh	Asst. Office Supdt.	07/01/2010	01/08/2011	9805098727
19.	Mr. Bhupinder Singh Maan	Asst. Librarian	24/09/2009	24/09/2009	9625288293
20.	Ms. Minakshi Gupta	Asst. Librarian	13/07/2010	13/07/2010	9817614914
21.	Ms Mandeep Kaur	Asst. Librarian	29/05/2012	29/05/2012	8872141003
22.	Mr. Harpreet Singh	Asst. Accountant	01/09/2009	01/02/2011	9805098725
23.	Mrs. Satvinder Kour	Adhoc Asst. Accountant	30/04/2013	30/04/2013	09857801467
24.	Mr. Rajesh Dhiman	Office Asst.	01/01/2010	01/08/2011	9882369039
25.	Mr. Bajjit Singh	Office Asst.	26/04/2012	26/04/2012	8627881525
26.	Mrs. Mandeep Kaur	Office Asst.	10/05/2012	10/05/2012	8627879651
27.	Mr. Amandeep Singh	Office Asst.	01/11/2012	01/11/2012	09816801471
28.	Mr. Pritam Singh	Driver	30/10/2012	30/10/2012	9418740404

**ETERNAL UNIVERSITY, BARU SAHIB**  
**FACULTY STAFF**

Name of the Faculty	De signation	Department	Date of		Contact Nos
			Initial Joining	Present Appointme nt	
Prof. Narinder K. Ralhan	Dean and Professor	Chemistry	01/04/2010	02/04/2011	9816400545
Prof. M.P.S. Chandrawat	Professor	Chemistry	01/04/2010	12/06/2010	09805098708
Mr. Sukhdeep Singh	Lecturer	Chemistry	23/02/2010	23/02/2010	9882239630
Mr. Manpreet Singh	JRF	Chemistry	11/08/2010	01/03/2013	9882239560
Dr. Kuldeep Chand Verma	Associate Prof.	Physics	27/02/2010	28/02/2011	9418941286
Ms. Jaspreet Kaur	Research Scholar	Physics	02/08/2010	02/08/2010	9882756869

	& Lecturer	On 06 months break (EOL) from 15 Jan 2013.			
Mrs. Jasneet Kaur	Research Assistant	Physics	03/11/2008	03/11/2008	9882711636
Dr. HS Chauhan, MD;MPHCM	Professor & Dean	Public Health	01/06/2012	01/06/2012	9816800860 9463438917
Prof. Sandipan Gupta	Associate Prof.	Maths	06/05/2012	06/05/2012	08627879848
	Coordinator of CSE Deptt.				
Mr. Lakhwinder Singh	Asst. Prof. (Adhoc)	Maths	19/08/2010	02/08/2012	9315484935
Mrs. Gitanjali Mehta	Lecturer (Adhoc)	Maths	02/03/2011	21/09/2012	9805758722
Dr. Sikander Singh	Asst. Prof.	Punjabi	16/07/2011	16/07/2011	9816956054
Mr. Sewak Singh	Asst. Prof	Religious Study	24/03/2012	24/03/2012	8627867020 09888584313
Mrs. Smriti Chugh	Lecturer	Arts & Sc.	09/02/2012	09/02/2012	9805220947
Dr. Kulbhushan Kumar	Associate Prof.	English & Comm. Skills	02/08/2010	02/08/2010	09318133259
Mr. Balbir Singh Makkar	Associate Prof.	English	07/11/2011	07/11/2011	9805204703
Mrs. Kuljinder Kaur Dhillon	Asst. Prof.	English	16/08/2011	16/08/2011	8894024697
	Asst. Dean	AMITY	-	31/05/2012	
Mrs. Harbir Kaur	Asst. Prof. (on contract basis)	English	19/08/2011	19/08/2011	8894165972
Mr. Dileep Kumar Sharma	Asst. Professor	ECE	18/08/2008	01/01/2010	9805441170
Mrs. Abhilasha Sharma	Asst. Professor	ECE	18/08/2008	01/01/2010	9805441178
Mr. Amit Sharma	Lecturer	CSE	01/07/2009	01/08/2010	9459085170
Ms. Shanu Sood	Lecturer	CSE	01/07/2009	01/08/2010	9459859714
Mrs. Aditi Sharma	Asst. Professor	ECE	26/12/2009	26/12/2009	9418363485
Mr. Bhubneshwar Sharma	Asst. Professor	ECE	24/08/2010	01/08/2011	9882239598
Mrs. Satinderjit Kaur Gill	Asst. Professor	CSE	01/02/2011	01/08/2011	9805738119

Mr. Rajeev Thakur	Lecturer	ECE	15/07/2009	01/08/2010	9816159887
Mr. Dhawan Singh Thakur	Lecturer	ECE	26/12/2009	26/12/2009	9418459232
Ms. Charu Sharma	Asst. Lecturer	ECE	19/01/2010	19/01/2010	8679166081
Ms. Kavita Saroch	Asst. Lecturer	ECE	19/01/2010	19/01/2010	9129568307
Ms. Dharma Devi	Asst. Lecturer	ECE	01/02/2010	01/02/2010	9805710217
Mr. Sukhbir Singh	Asst. Professor	ECE	13/08/2012	13/08/2012	9816394904
Mr. Ravinderjit Singh	Workshop Instructor	ACET	11/01/2009	11/01/2009	9816819379
Mr. Chaman Lal	Workshop Instructor	ACET	14/12/2008	14/12/2008	09857472418
Ms. Jasleen Kaur	Programmer	CSE	23/10/2012	23/10/2012	09882715138
Ms. Charanjit Kaur	Asst. Professor	ECE	01/01/2013	01/01/2013	08894048471
Ms. Sandeep Kaur	Asst. Professor	ECE	01/01/2013	01/01/2013	09736501079
Mr. Manjit Thapa	Asst. Professor	CSE	10/01/2013	10/01/2013	09463714761
Ms. Rupinder Kaur	Asst. Professor	CSE	14/01/2013	14/01/2013	09736501081
Mr. Amit	Asst. Professor	CSE	15/01/2013	15/01/2013	08901337626
Ms. Aman Paul Kaur	Asst. Professor	CSE	31/01/2013	31/01/2013	09816201638
Ms. Anoop Rekha	Asst. Professor	CSE	01/02/2013	01/02/2013	09736505161

**AKAL SCHOOL OF BUSINESS ADMINISTRATION  
AND ECONOMICS**

Name of the Faculty	Designation	Department	Date of Appointment		Contact Nos
			Initial	Present Appointment	
Prof. J.L. Sharma	Professor	Economics (ECO)	31/05/2012	31/05/2012	9805098718
Mrs. Sarabjeet Kaur Dhaliwal	Associate Prof.	ECO	08/03/2011	08/03/2011	9805098726
Mr. Parveen Kumar	Asst. Prof.	ECO	01/03/2011	21/09/2012	9816453045
Ms. Rinshu Dwivedi	Asst. Prof.	ECO	16/07/2010	01/09/2012	8894372850
Mr. Pawan Kumar Dubey	Lecturer	Finance	28/08/2012	28/08/2012	

**BIOTECHNOLOGY, NUTRITION & FOOD  
TECHNOLOGY AND BIOCHEMISTRY**

Name of the Faculty	Designation	Department	Date of		Contact Nos
			Initial Joining	Present Appointment	
Dr. H.S. Dhaliwal	Distinguished Professor & Dean Academic Affairs	Biotechnology	01/03/2011	01/03/2011	09805098702
Dr. Vishal Chugh	Asst. Prof.	Bio-Chemistry	13/04/2011	13/04/2011	09805740838
Dr. Dharmendra Singh	Asst. Prof.	Biotechnology	14/09/2012	14/09/2012	09816109784
Dr. Vinod Kumar Sangwan	Asst. Prof.	Biotechnology	30/09/2012	30/09/2012	09418443491
Ms. Inderdeep Kaur	Asst. Prof.	Biotechnology	26/10/2012	26/10/2012	09888426676
Mr. Rajveer Singh	Lecturer	Biotechnology	09/07/2012	09/07/2012	08627911696
Mr. Imran	JRF	Biotechnology	14/06/2012	14/06/2012	08627912365

Ms Prachi Sharma	JRF	Biotechnology	15/06/2012	15/06/2012	09418389544
Mr. Sanjeev Kumar	Lab Asst.	Biotechnology	04/07/2012	04/07/2012	09129840735
Mr. Anup Singh	Lab. Attendant	Biotechnology	01/08/2011	01/08/2011	08894951032
Dr. Paras Sharma	Asst. Prof.	Food Technology	13/02/2013	13/02/2013	08894899449
Dr. Tejinder Singh,	Prof. & HoD	Nutrition & Food Technology	04/03/2011	04/03/2011	-
Dr. Prabhjot Kaur Gill	Asst Prof	Biotech	3/8/2013	3/8/2013	

## **AKAL COLLEGE OF DEVINE MUSIC AND SPIRITUALISM**

Name (s)	Designation	Department	Date of		Contact Nos
			Initial Joining	Present Appointment	
Dr. Purvi Luniyal	Dean of ACDMS	Music	01/06/2009	03/06/2011	9816400543
Mr. Parvinder Singh	Lecturer	Music – Vocal	01/06/2009	03/06/2011	9418435466
Mr. Shupreet Singh	Lecturer	Instrumental	12/10/2011	12/10/2011	9882061676
Mr. Rashmeet Singh	Lecturer	Tabla	01/06/2009	03/06/2011	9857424542
Dr. Om Sharma	Lecturer		4/9/2012	4/9/2012	
Mr. Sarabjeet Singh	Lecturer	Music - Vocal	01/06/2009	03/06/2011	9318660510

## **AKAL COLLEGE OF RENEWABLE ENERGY**

(APPOINTED THROUGH THE KALGIDHAR TRUST, BARU SAHIB)

Name (s)	Designation	Department	Date of		Contact Nos
			Initial Joining	Present Appointment	
Mr. M.P. Singh	Asst. Prof.	Renewable Energy	02/01/2010	01/09/2011	09816606012
Ms. Sweta Gupta	Operation & Maintenance	Renewable	11/07/2011	11/07/2011	

	Engineer & RS	Energy			
Mr. Rajdeep Singh	Solar Energy Engineer	Renewable Energy	01/05/2012	01/05/2012	
Ms. Jyotsna Sharma	Engineer (Solar Energy)	Renewable Energy	15/09/2012	15/09/2012	
<b><u>Guest Faculty</u></b>					
Mr. Punit Kumar Dubey	-	-	-	-	-

## **AKAL COLLEGE OF NURSING**

Name of the Faculty	Designation	De partment	Date of		Contact Nos
			Initial Joining	Pre sent Appointment	
Dr. Ranjit Kaur	Principal	ACN	01/11/2010	-	09805098719
Dr. Harpreet Kaur	Administrator	ACN			09816441158
Mrs. Sujana Chakravary	Professor	ACN	01/02/2013	01/02/2013	
Mrs. Molly Sam	Professor	ACN	19/01/2013	19/01/2013	
Ms. Sherly Thomas	Asst. Prof.	ACN	13/02/2013	13/02/2013	
Mrs. Asha	Lecturer	ACN	14/12/2011	14/12/2011	
Ms. Arti	Lecturer	ACN	07/06/2010	07/06/2010	9729563523
Ms. Sapna	Lecturer	ACN	28/06/2012	28/06/2012	
Ms. Sakshi Taneja	Lecturer	ACN	01/04/2013	01/04/2013	
Ms. Satwinder Kaur	Lecturer	ACN	01/08/2012	01/08/2012	
Mrs. Rawinder Kaur	Lecturer	ACN	12/09/2012	12/09/2012	
Ms. Rajwinder Kaur	Clinical Instructor	ACN	01/11/2011	01/11/2011	

Ms. Sumanpreet Kaur	Clinical Instructor	ACN	18/09/2012	20/10/2012	
Ms. Simarjeet Kaur	Clinical Instructor	ACN	22/10/2012	22/10/2012	08288855621
Ms. Amanpreet Kaur	Clinical Instructor	ACN	02/11/2012	02/11/2012	09905440705
Ms. Gurjeevan Kaur	Clinical Instructor	ACN	02/11/2012	02/11/2012	09816123179
Ms. Shweta Joshi	Clinical Instructor	ACN	02/11/2012	02/11/2012	09625956009
Ms. Sangeeta Sharma	Clinical Instructor	ACN	02/11/2012	02/11/2012	09418354944
Ms. Pratibha Khagta	Clinical Instructor	ACN	02/11/2012	02/11/2012	09457062324

## **7. ACADEMIC CALENDAR 2012-2013**

“Goals should encompass the building of overall strength and long run effectiveness not merely one year or periodic bursts of excellence”.

- **Geroge S. Ordiorne**

**Eternal University**  
**Academic Calendar – 2012-2013**  
**Odd Semester**

Sr.No.	Event	Date(s)
1.	Session Commencement	16 <sup>th</sup> August 2012
2.	First Internal Assessment Test	24 <sup>th</sup> September to 28 <sup>th</sup> September 2012
3.	Diwali Holidays	11 <sup>th</sup> November to 19 <sup>th</sup> November 2012
4.	Second Internal Assessment Test	20 <sup>th</sup> November to 24 <sup>th</sup> November 2012
5.	End Semester Examination	4 <sup>th</sup> January to 14 <sup>th</sup> January 2013
6.	Semester Break	15 <sup>th</sup> January to 21 <sup>st</sup> January 2013

**Total teaching days 90**

S. Sudhakar  
25/7/12

**Eternal University**  
**Academic Calendar – 2012-2013**  
**Even Semester**

Sr.No.	Event	Date(s)
1.	Even semester classes commence	22 <sup>nd</sup> January 2013
2.	First Internal Assessment Test	4 <sup>th</sup> March to 8 <sup>th</sup> March 2013
3.	Holi Holidays	24 <sup>th</sup> March to 1 <sup>st</sup> April 2013
4.	Second Internal Assessment Test	29 <sup>th</sup> April to 3 <sup>rd</sup> May 2013
5.	End Semester Examination	10 <sup>th</sup> June to 20 <sup>th</sup> June 2013
6.	Industrial Training /Project Work Summer Semester Break	21 <sup>st</sup> June to 14 <sup>th</sup> August 2013

**Total teaching days 90**

S. Budiana.

25/4/12.

## 8. **BALANCE SHEET 2011-2012**

“Our sweetest songs are those which tells us saddest thought”.

- **P. B. Shelly**

(ETERNAL UNIVERSITY, BARU SAHIB)

CONSOLIDATED BALANCE SHEET AS AT 31st MARCH, 2012.

LIABILITIES	AMOUNT	TOTAL	ASSETS	AMOUNT	TOTAL
<b>CORPUS</b>			<b>FIXED ASSETS</b>		
As per Last B' Sheet	33,89,076.00		As per Schedule		29,22,34,408.58
Add: Corpus Donation	-				
Add: Assets from A/c.	-		<b>INVESTMENTS</b>		3,30,52,895.00
Less: Assets Tr.	-	33,89,076.00			
			<b>CURRENT ASSETS, LOANS &amp; ADVANCES</b>		
<b>INCOME &amp; EXPENDITURE AC</b>			Loans & Advances		5,82,425.00
As per Last B' Sheet	1,85,41,524.50		Security Deposited		40,00,000.00
Add: Excess of Income for the yr.	1,19,50,818.22	2,64,92,342.72	Cash in Hand		80,380.00
			Bank Balances		53,71,939.22
<b>SUBSIDY</b>			Other Assets		1,79,66,544.00
Him Urja					
<b>SECURED LOANS</b>					
LOAN FROM BANK	1,25,06,849.00				
UNSECURED LOANS	-	1,25,06,849.00			
<b>SECURITY REFUNDABLE</b>					
Students	32,92,500.00				
Teachers	14,67,519.00	47,60,019.00			
<b>CURRENT LIABILITIES &amp; PROVISIONS</b>					
Sundry Creditors		4,78,035.00			
Salary Payable					
Branch/ Division		30,76,52,270.08			

Total Rs.- 35,52,78,591.80

Total Rs.- 35,52,78,591.80

Note: Notes on accounts annexed.

*Rajesh Singh*  
President  
The Kalgidhar Trust

*[Signature]*  
Secretary  
The Kalgidhar Trust

As per our report in Form No. 10B Annexed.  
for K.N.Chandla & Co.  
Chartered Accountants

*[Signature]*  
(Sunil Khanna)  
Partner



Place: Shimla  
Date: 08 January 2013

Figures are consolidated from the individual Statements of Engineering College, Nursing College & Eternal University

THE KALGIDHAR TRUST: BARU SAHIB  
(ETERNAL UNIVERSITY, BARU SAHIB)

CONSOLIDATED INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2012.

EXPENDITURE	AMOUNT	TOTAL	INCOME	AMOUNT	TOTAL
To Cost Of Matrial Consumed			By Donation		2,36,000.00
Opening Stock	-		By Interest on Fixed Deposits		6,23,279.00
To Purchase Material	-		By Interest on Saving Bank Accounts		2,00,086.22
Less Closing Stock	-		By Miscellaneous Income		2,93,103.00
To Administrative Expenses		4,225.00	By Kitchen Receipt		2,13,01,960.00
To Advertisement		10,97,463.00	By Hostel charges		1,22,16,230.00
To Affiliation/ Exam Fee		6,28,577.00	By Fees		5,58,50,974.00
To Mess Expenses		2,07,91,156.00	By Recovery From Staff		21,13,189.00
To Vehicle Expenses		-	By Uniform		-
To Bank Charges		84,941.00	By Prospectus		1,78,850.00
To Bedding	-	-	By Rent Received (Air Tel)		-
To Books	-	-	By Profit on Bonds		-
To Building Maintenance	-	-	By Other Recovery		-
To Freight & Cooliage	-	-	By Material		-
To Depreciation		1,88,37,468.00	By Mediclaim		-
To Diesel	-	-	By Sale		-
To Education/ Lateracy		18,08,644.00			
To Function Expenses		1,06,976.00			
To Lab. Expenses		1,84,424.00			
To Electricity Expenses		31,69,113.00			
To Subscription		1,42,749.00			
To Help to Poor		-			
To Hostel Exp.		7,39,200.00			
To Horticulture & Forestry		-			
To Interest		6,849.00			
To Direct Expenses		-			
To Medical aid		-			
To Miscellaneous Expenses		1,020.00			
To Newspaper & Periodicals		1,36,596.00			
To Postage & Telephone		3,65,508.00			
To Printing & Stationery		13,27,009.00			
To Penalty		-			
To Legal/Professional Charges		1,000.00			
To Refreshment		4,49,164.00			
To School Bags / Shoes		-			
To Repair & Maintenance		2,08,487.00			
To Salaries		3,00,60,901.00			
To Provident Fund		47,544.00			
To Staff /Students Welfare		82,050.00			
To Sport Exp		-			
To Rent/ Lease		-			
To Tolitery		265.00			
To Transport		-			
To Travelling		4,38,190.00			
To Examination/Counselling Expenses		3,08,803.00			
To Uniform		34,531.00			
To Security & Allied Services		-			
To Milling Charges		-			
To Insurance		-			
To Excess of Income Over Exp.		1,19,50,818.22			

*Iqbal Singh*  
President  
The Kalgidhar Trust

Total Rs.:- 9,30,13,671.22

*[Signature]*  
Secretary  
The Kalgidhar Trust

Total Rs.:- 9,30,13,671.22

Annexure to the Balance Sheet  
for K.N.Chandla & Co.  
Chartered Accountants

*[Signature]*  
(Sunil Khanna)  
Partner



Place: Shimla  
Date: 08 January 2013

Annexure II Balance Sheet

THE KALGIDHAR TRUST, BARUSAHIB, SRMOUR  
(ETERNAL UNIVERSITY, BARU SAHIB)  
CONSOLIDATED SCHEDULE OF FIXED ASSETS AS ON 31st MARCH 2012

PARTICULARS	Rate	Opening		Addition	Sale/Tr.	Total	Depreciation	Net Balance
		As on 31.03.11	During the year					
Land	0%	-	-	-	-	-	-	-
Building	5%	26,11,70,338.21	2,30,66,077.35	-	28,66,36,415.56	1,40,31,821.00	27,23,04,594.56	
Building Under Const.	0%	-	-	-	-	-	-	-
Buildings	10%	7,32,088.00	-	-	7,32,088.00	75,209.00	6,76,879.00	
Compass	60%	10,91,098.00	15,49,126.00	-	26,40,224.00	11,84,135.00	10,56,089.00	
Craft & Art / Sports Material	15%	42,600.00	45,118.00	-	87,721.00	11,158.00	74,563.00	
Electric Fan/Fittings/ Ins.	15%	10,49,763.00	-	-	10,49,763.00	1,37,464.00	8,52,299.00	
Electronic/ TV/VCR/Projector Items	15%	10,47,814.00	1,22,430.00	-	11,70,244.00	1,75,340.00	9,94,744.00	
EPBAX System	15%	1,29,040.00	-	-	1,29,040.00	19,356.00	1,09,684.00	
Fire Fighting Equipments	15%	-	-	-	-	-	-	
Furniture & Fixtures	10%	11,77,661.00	4,96,773.00	-	20,74,434.00	2,07,444.00	18,66,990.00	
Generator System	15%	-	-	-	-	-	-	
Intercom/ Phones	15%	-	-	-	-	-	-	
Internet Equipments (V Sat)	15%	2,77,990.00	-	-	2,77,990.00	41,699.00	2,36,291.00	
Vehicles	15%	5,44,305.00	-	2,74,929.00	2,68,376.00	40,406.00	2,28,970.00	
Laboratory Equipments	15%	27,46,035.00	27,15,272.00	-	94,61,307.00	14,19,195.00	80,42,112.00	
Library Books	10%	30,97,845.00	5,87,999.00	-	36,85,844.00	3,68,381.00	33,17,239.00	
Laundry Dyeing Equipments	15%	-	-	-	-	-	-	
Machinery	15%	2,28,429.00	-	-	2,28,429.00	34,264.00	1,94,165.00	
Mobile/ Phone	15%	-	-	-	-	-	-	
Music Equipments	15%	1,63,310.00	-	-	1,63,310.00	24,497.00	1,38,813.00	
Photocopier & Typewriter	15%	-	-	-	-	-	-	
Power Equipments	15%	-	-	-	-	-	-	
Printers/ Photocopiers	15%	40,428.00	16,359.00	-	99,787.00	14,968.00	84,819.00	
Printing / Cyclostyle/ Type Machine	15%	-	-	-	-	-	-	
Refrigerator	15%	-	51,150.00	-	51,150.00	7,673.00	40,477.00	
Sewing Machine	15%	-	-	-	-	-	-	
Steam Boiler/Solar System/ Water Boiler	15%	5,12,868.00	-	-	5,12,868.00	76,930.00	4,35,938.00	
Solar Cooking System	15%	-	-	-	-	-	-	
Telephone	15%	14,626.00	-	-	14,626.00	2,194.00	12,432.00	
Transformer	15%	-	-	-	-	-	-	
Tube Well	15%	-	-	-	-	-	-	
UPS/ Inverter	15%	4,18,216.00	1,83,714.00	-	6,01,930.00	80,289.00	5,11,641.00	
Urnals	10%	4,08,140.00	4,970.00	-	4,13,110.00	41,311.00	3,71,799.00	
Water Filter/ Aquaparis	15%	-	13,900.00	-	13,900.00	2,085.00	11,815.00	
Water Cooler	15%	-	-	-	-	-	-	
Water Pump	15%	-	-	-	-	-	-	
Medical Equipments	15%	7,28,280.00	-	-	7,28,280.00	1,09,242.00	6,19,038.00	
<b>Total Rs.-</b>		<b>27,94,46,917.23</b>	<b>3,14,95,888.35</b>	<b>2,74,929.00</b>	<b>31,10,61,876.58</b>	<b>1,88,37,468.00</b>	<b>29,22,24,408.58</b>	

Secretary  
The Kalgidhar Trust

*Sr*



## **9. BUDGET INCOME & EXPENDITURE** **STATEMENT FOR THE YEAR 2012-2013**

“In peace time education is the last priority and in war time it is the first causality”.

- **P. B. Shelly**

# **ETERNAL UNIVERSITY**

## **BARU SAHIB**

### **BUDGETED INCOME & EXPENDITURE STATEMENT** **FOR THE YEAR 2012-13**

<b>Particulars</b>	<b>Annexures</b>	<b>Total Amount (In Rs Lacs)</b>
<b>Income:</b>		
Budgeted Collections from Students	A	1279.72
Budgeted Collections from Staff for Services		36.00
Interest on Fixed Deposits		31.45
Receivable from The Kalgidhar Trust		203.82
<b>Total Income</b>		<b>1550.99</b>
<b>Less: Budgeted Expenditure</b>	B	<b>1432.11</b>
<b>Excess of Income Over Expenditure (Budgeted Surplus)</b>		<b>118.88</b>

**ETERNAL UNIVERSITY**  
**DETAILS OF STUDENTS & FEE COLLECTIONS**  
**YEAR 2012-13**

Annexure A

Particulars	Pre sent Students 2011-12	New Additions 2012-13	Total Strength 2012-13	Fee Per Student (Rs Lacs)	Total Fee (In Rs Lacs)
<b><u>Under Graduate Students</u></b>	-	-			
<b>B.Tech</b>					
Outgoing EU Batch*	230				
IV th Year	147		147	1.06	155.82
III rd Year	109		109	1.29	140.61
II nd Year	59	60	119	1.15	136.85
I st Year (Expected)		120	120	1.20	144.00
<b>Sub Total (B.Tech)</b>	<b>545</b>	<b>180</b>	<b>495</b>		
<b>B.Sc Nursing</b>					
Outgoing Batch*	33				
IV th Year (Govt Seats)	23		23	1.13	25.99
IV th Year (Mgt Seats)	26		26	1.38	35.88
III rd Year (Govt Seats)	29		29	1.07	31.03
III rd Year (Mgt Seats)	30		30	1.57	47.10
II nd Year (Govt Seats)	30		30	1.07	32.10
II nd Year (Mgt Seats)	30		30	1.57	47.10
I st Year Govt. (Expected)		30	30	1.10	33.00
I st Year Mgt. (Expected)		30	30	1.60	48.00
<b>Sub Total (B.Sc Nursing)</b>	<b>201</b>	<b>60</b>	<b>228</b>		
<b>B.Sc Economics</b>					
Outgoing Batch*	12				
III rd Year (paid)	3		3	0.98	2.94
III rd Year (B Block)	8		8	0.45	3.60
II nd Year (paid)	12		12	1.15	13.80
II nd Year (B Block)	8		8	0.45	3.60
I st Year (Expected) paid		15	15	1.31	19.65
I st Year (Expected) B Block		10	10	0.60	6.00
<b>Sub Total (B.Sc Eco)</b>	<b>43</b>	<b>25</b>	<b>56</b>		
<b>B.A. Arts &amp; Sciences</b>					
Outgoing Batch*	38				
III rd Year	31		31	0.45	13.95
II nd Year	46		46	0.45	20.70
I st Year (30 students each in Arts & Sciences)		60	60	0.60	36.00
<b>Sub Total (B.A. Arts &amp; Sciences)</b>	<b>115</b>	<b>60</b>	<b>137</b>		

<b>B.A. Divine Music</b>					
Outgoing Batch*	9				
III rd Year	30		30	0.45	13.50
II nd Year	26		26	0.45	11.70
I st Year (Expected)		30	30	0.60	18.00
<b>Sub Total (Divine Music)</b>	<b>65</b>	<b>30</b>	<b>86</b>		
<b>B.Ed. (Arts &amp; Science)</b>		<b>100</b>	<b>100</b>	0.90	90.00
<b><u>Post Graduate Students</u></b>	<b>37</b>	<b>50</b>	<b>87</b>	1.15	100.05
<b>M.Sc Nursing</b>		<b>25</b>	<b>25</b>	1.95	48.75
<b>Total</b>	<b>1006</b>	<b>530</b>	<b>1214</b>		<b>1279.72</b>

**Note: Out of 1006 Students at present, total fee for 208 students in various under- graduate courses is deferred. (As per ANNEXURE - F)**

**\* Students will be passing out this year.**

# **ETERNAL UNIVERSITY**

## **STATEMENT OF BUDGET (EXPENDITURE) (YEAR 2012-13) (Annexure -\_B)**

<b>Sr No</b>	<b>Item</b>	<b>Annexure</b>	<b>Expenses (Rs Lacs)</b>
1	Salary - Faculty & Administrative Staff	C & D & E	<b>839.88</b>
2	Salary - Visiting Faculty		<b>20.00</b>
3	Employer's Contribution to Provident Fund		<b>0.85</b>
4	Equipments for Various Labs (Electronics , Biotechnology, chemistry, Physics & Other Labs)		<b>115.00</b>
5	Computers & Internet Charges		<b>21.75</b>
6	Books for Library		<b>12.50</b>
7	Mess Meal Expenses		<b>255.00</b>
8	Approval Expenses		<b>10.00</b>
9	Advertisement		<b>20.00</b>
10	Electricity Charges		<b>34.50</b>
11	Paper Setters & Examiners Expenses		<b>7.75</b>
12	Printing & Stationery		<b>5.18</b>
13	Travelling Expenses		<b>8.63</b>
14	Refreshment expenses		<b>2.50</b>
15	Telephone & postage expenses		<b>1.75</b>
16	Security Refundable (out going students)		<b>16.38</b>
17	Sports Expenses		<b>3.60</b>
18	Newspapers & Periodicals		<b>1.50</b>
19	Bank Charges		<b>0.85</b>
20	Admissions, Training & Placements		<b>31.50</b>
21	Other Administrative Expenses (Including Annexure -G)		<b>23.00</b>
<b>Total Expenditure</b>			<b>1432.11</b>

**ETERNAL UNIVERSITY**  
**STATEMENT OF BUDGETED SALARY**  
**YEAR 2012-13**

Annexure C

<b>Particulars</b>	<b>Monthly Salary Per Teacher (In Rs Lacs)</b>	<b>Number of Estimated Teachers</b>	<b>Monthly Expenses (In Rs Lacs)</b>	<b>Annual Expenses (In Rs Lacs)</b>
Professor	1.00	17	17.00	204.00
Associate Professors	0.70	20	14.00	168.00
Asst. Professors	0.50	46	23.00	276.00
Lecturers /Research Scholars	0.20	37	7.40	88.80
Adminstrative Staff for Eternal University	0.45	7	3.15	37.80
Non.- Teaching & other Supporting Staff	0.16	34	5.44	65.28
<b>Total</b>				<b>839.88</b>

# ETERNAL UNIVERSITY

## BUDGET OF TEACHERS

### YEAR 2012-13

#### Annexure D

Sr. No.	Name of Colleges/ School	Professor	Associate Prof.	Assistant Prof.	Lecture/ Research Scholar
1	Akal School of Chemistry	2	0	2	3
2	Akal School of Psychology & Counselling	1	2	1	0
3	Akal School of Physics & Nano Technology	0	1	1	2
4	Akal School of Business Administration	1	1	2	0
5	Akal School of Public Health	1	1	1	0
6	Akal School of Mathematics & Statics	1	1	1	1
7	Akal School of Biotechnology	1	2	3	0
8	Akal School of Nutrition Food Technology	1	1	1	0
9	Akal School of Languages & Communication Skills	1	2	2	0
10	Akal School of Renewal Energy	1	1	2	0
11	Akal college of Engineering & Technology	2	2	11	11
13	Akal College of Nursing	1	2	4	14
14	Akal School of Economics	1	2	2	1
15	Akal College of Arts & Sciences	1	1	6	0
16	Akal College of Divine Music & Spiritualism	1	0	1	5
17	Akal college of Education	1	1	6	0
<b>Total</b>		<b>17</b>	<b>20</b>	<b>46</b>	<b>37</b>

# NEW POST TO BE FILLED

## Annexure E

Sr. No.	Institution	Professor	Associate Professor	Asst. Professor	Supporting Staff
1.	Akal College Of Education	1	1	6	Librarian = 1 Office Assistant = 1 Computer Assistant = 1 Storekeeper = 1 Technical Assistant = 1 Others = 2 <b>Total = 7</b>
2.	Akal College of Nursing	1	2	4	Clinical Instructor = 10 Librarian = 1 Office Assistant = 1
3.	Akal School of Psychology	1	2	1	Lab Attendant = 1
4.	Akal School of Biotechnology	0	1	1	
5.	Akal School of Mathematics	1	1	0	
6.	Akal School of Economics	1	1	1	
7.	Akal School of Business Management	1	1	2	
8.	Akal School of Languages & Communication Skills	1	2	2	
9.	Akal College of Engg. & Technology	1	2	2	
10.	Akal College of Arts & Sciences	1	1	Mathematics = 1 Economics = 1 Religious Studies = 1 Computer Sc. = 1 Zoology = 1 Botany = 1 <b>Total = 6</b>	
11.	Akal School of	1	1	1	

12.	Akal School of Nutrition & Technology	0	1	1	
13.	Akal School of Public Health	1	1	1	
14.	Eternal University				Assistant Registrar = 1 Assistant Controller of Examination = 1 Assistant Dean Student Welfare = 1 Education Administrator = 1 Admission Coordinator = 1
<b>Total</b>		<b>11</b>	<b>17</b>	<b>28</b>	<b>25</b>

# ETERNAL UNIVERSITY

## DETAILS OF STUDENTS WHOSE FEE IS DEFFERED

### Annexure F

Particulars	Present Students 2011-12	Fee per Student (Rs. Lacs)	Total fee (Rs. Lacs)
<b><u>Under Graduate Students</u></b>	-		
<b>B.Sc Economics</b>			
IIIrd Year	10	0.45	4.50
IIInd Year	8	0.45	3.6
Ist Year	10	0.45	4.50
<b>Sub Total (B.Sc Economics)</b>	<b>28</b>		<b>12.60</b>
<b>B.A. Arts &amp; Sciences</b>			
IIIrd Year	38	0.45	17.1
IIInd Year	31	0.45	13.95
Ist Year	46	0.45	20.7
<b>Sub Total (B.A. Arts &amp; Sciences)</b>	<b>115</b>		<b>51.75</b>
<b>B.A. Divine Music</b>			
IIIrd Year	9	0.45	4.05
IIInd Year	30	0.45	13.50
Ist Year	26	0.45	11.7
<b>Sub Total (Divine Music)</b>	<b>65</b>		<b>29.25</b>
<b>Total</b>	<b>208</b>		<b>93.60</b>

**10. EARN WHILE YOU LEARN  
STUDENTS UNDER WORK STUDY**

“No Snowflakes ever falls in the wrong place”.

**-Zen Saying**



**11. COURSE APPROVED AND**  
**APPROVAL OF FEE STRUCTURE**  
**BY H.P. GOVERNMENT**

“Crafty men contemn studies, simple men admire them, and wisemen use them”.

**-Bahehot**

ed-19

7/5/2012

No.EDN-A-Ka(S)-1/2011-Loose  
Government of Himachal Pradesh  
Department of Higher Education

From

The Secretary (Hr. Education) to the  
Government of Himachal Pradesh.

To

✓ The Registrar,  
Eternal University, Baru Sahib,  
Distt. Sirmour, H.P.

Dated: Shimla-2, the

Shm. May, 2012.

**Subject: Regarding approval of courses.**

Sir,

I am directed to invite your attention to Section 31(5) of the  
Eternal University (Establishment and Regulation) Act.

In this matter after examining the report of the inspection  
committee, you are directed to take following action in the matter:-

**A) Existing Courses**

i) With regard to all existing courses (i.e. courses for which approval was  
accorded vide this department letter of even numbers dated 28<sup>th</sup> June,  
2011, 11<sup>th</sup> August, 2011 and 5<sup>th</sup> December, 2011) for the academic year  
2011-12 and made functional during 2011-12, the number of seats  
allocated for the academic session 2012-13 shall remain same and shall  
be subject to all conditions imposed by the Govt. in respect of these  
courses at the time of approval. It is reiterated that no student with just  
10<sup>th</sup> Class qualification be offered admission to any course.

ii) The fee structure for all such approved courses which were made  
functional shall remain same for the academic session 2012-13, as  
approved during 2011-12 by the Government in respect of your  
University.

iii) For five Ph.D. programmes i.e. Ph.D. in Chemistry, Ph.D. in CSE,  
Ph.D. in Physics, Ph.D. in EE and Ph.D. in ECE, are allowed to continue  
as one time relaxation for 2011-2012 as UGC has inspected this  
University. However, no further admission is allowed to Ph.D.  
programme in any of these streams till the approval of the State  
Government. It is also intimated that the further approval for Ph.D.  
programmes in these disciplines shall be subject to the conditions that

Ph.D. Supervisors are on the regular rolls of the University and RDC is formed in all the cases as per UGC/Govt. norms and the University is running PG Classes in the respective department/subject..

**B) New Courses**

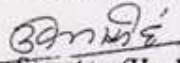
1. In Ph.D. in Biotech., Ph.D. in Renewable Energy under Deptt. of Physics (Two seats each), MA in Psychology (with 30 seats), M.Sc. Nursing in (i) Medical Surgical Nursing(with 5 seats) (ii) Mental Health Nursing (with 5 seats) (iii) MCH Nursing (with 5 seats), you are allowed to undertake admission for 2012-2013 session on the following conditions:-
  - i) In these courses norms fixed by the concerned regulatory body may be strictly adhered to. If the course is not under any regulatory body then the standards adopted by the Government Universities will have to be followed.
  - ii) Recruitment of faculty for the proposed new intake of the students for the above courses, must be done, one month prior to the start of new session. Names of all the newly recruited faculty along-with their photos, qualifications and bio-data must be uploaded on your university website, one month prior to start of new session.
  - iii) Names of students who will join in the new session for these courses must be uploaded within fifteen days of the start of new session.
  - iv) Necessary infrastructure, lab, library books etc. required for starting new courses must be in place prior to start of the new session.
  - v) Ph.D. supervisors are on the regular rolls of the University and RDC is formed in both these cases as per UGC/Govt. norms immediately.
  - vi) Norms/guidelines of INC (Indian Nursing Council) in terms of faculty, infrastructure and clinical experience shall be fulfilled.
2. Diploma courses proposed in four subjects are not approved as it is contrary to the provisions of the Eternal University Act which says that admission to any diploma courses can be made only for students having 10+2 qualification. No students shall be admitted to any course with just 10<sup>th</sup> Class qualification.
3. Considering the status of the University as Minority institution the proposal to start B.Ed. (one unit of 100 students) course in the session 2012-13 is approved subject to NCTE approval; appointment of regular Principal and faculty as per UGC/ NCTE norms and proper establishment of Resource Centres for Science, ICT, Art & Craft, Psychology, Social Science, Science & Physical education well before the start of course.

4. The fee structure for the new courses to be started w.e.f. 2012-13 shall be approved separately as per standing procedure in the appropriate committee.
5. Proposal of fee structure for the new courses for session 2012-13 may be submitted through the Member Secy.-cum- Addl. Director(Colleges) within a week time to the following address:-

Dr. Yogesh,  
Member Secy.-cum-Addl. Director(Colleges),  
Directorate of Higher Education, H.P.,  
Shimla-171001.  
Phone: 0177-2650797  
Email Address: www.dir.edu@rediffmail.com

6. You are requested to adhere to above timeline for ensuring timely processing for according approvals.

You are, therefore, requested to take necessary action in the matter and action taken report may be sent to this department within a fortnight.

  
Under Secretary(Hr. Education) to the  
& Government of Himachal Pradesh.

Endst. No. as above. Dated; Shimla-171002

May, 2012

Copy for information and necessary action to:-

- i) The Director, Higher Education, H.P., Shimla-1.
- ii) The Secretary, H.P. Private Educational Institutions Regulatory Commission, Majitha House, Chhota Shimla, Shimla-2.
- iii) Guard file.

Under Secretary (Hr. Education) to the  
Government of Himachal Pradesh.

ed-33  
14/6/2012

No.EDN-A-Ka(5)-1/2011-  
Government of Himachal Pradesh  
Department of Higher Education

20

From The Secretary (Hr. Education) to the  
Government of Himachal Pradesh.

To ✓ The Registrar,  
The Eternal University, Baru Sahib, H.P.,  
VPO Baru Sahib, Via-Rajgarh,  
Distt. Sirmour, H.P.-173101.

Dated: Shimla-2, the 13<sup>th</sup> June, 2012.

Subject: Regarding approval of courses for the academic session 2012-2013.

Sir,  
I am directed to invite your attention to Section 31(5) of the Eternal University (Establishment and Regulation) Act and subsequent information provided by you to the inspection committee and to this deptt. vide your letter number EU/VCO/55/18 dated 12<sup>th</sup> May, 2012.

In this matter after examining the report of the inspection committee and information provided by you, the following has been approved:-

1. Proposal for increase in seats in M.Sc. (Nursing) from 15 to 25 has been examined and it has been decided that number of seats can not be increased as the facilities available/established do not support any increase in seats. This is based on the comments made by the experts in the inspection report.

*where it rains  
& pours.*

2. For Ph.D. Programmes i.e. Ph.D. in Chemistry, Ph.D. in CSE, Ph.D. in Physics, Ph.D. in EE, Ph.D. in ECE, Ph.D. in Biotech., Ph.D. in Renewable Energy (under Deptt. of Physics) the number of seats are increased as per UGC norms subject to it being a residential programme.

You are, therefore, requested to take necessary action in the matter and action taken report may be sent to this department within a fortnight so that further action could be taken in the matter accordingly.

*Yours faithfully,  
Bam*

Under Secretary (Hr. Education) to the  
Government of Himachal Pradesh.

Endst. No. as above. Dated; Shimla-171002 13<sup>th</sup> June, 2012  
Copy for information and necessary action to:-

- i) The Director, Higher Education, H.P., Shimla-1.
- ii) The Secretary, H.P. Private Educational Institutions Regulatory Commission, Majitha House Complex, Chhota Shimla, Shimla-2.
- iii) Guard file.

CH VCO 055  
Circular stamp: Copy to: Date: 20/6/12, Distt. Sirmour (H.P.)

Seen By	
The V.O.	
Registrar	
Supdt.	<i>[Signature]</i>

*Bam*  
Under Secretary (Hr. Education) to the  
Government of Himachal Pradesh.

*Mr. already received by e-mail.*

No.EDN-A-Ka(1)-13/2008-  
Government of Himachal Pradesh  
Department of Higher Education

From

The Secretary (Hr. Education) to the  
Govt. of Himachal Pradesh,  
Shimla-171002.

To

The Registrar,  
Eternal University, Baru Sahib,  
Via-Rajgarh, Distt. Sirmaur, H.P.

Dated : Shimla-2,

6<sup>th</sup> August, 2012.

Subject :-

Regarding approval of the Final Fee Structure in  
respect of Eternal University, Baru Sahib, Distt.  
Sirmaur, H.P. for the year 2012-2013.

Sir/Madam,

I am directed to refer to the subject cited above and to say that  
as per the provisions of Section-32 of your University Act fee structure is required to be  
approved by the Government on receipt of proposal from the University.

2. On receipt of fee structure proposal for the academic year  
2012-2013 from you, the Government on the recommendations of the fee structure  
committee has approved the fee structure of your University as per enclosed Annexure-  
'A' subject to the following conditions :-

1. The Government has approved the fee structure for Ph.D in Biotech, Ph. D  
in Renewable Energy under Deptt. of Physics, M.A. (Psychology),  
B.Ed, and M.Sc(Nursing) during the current session 2012-2013. The  
University shall not start any course except those for which the "course" as  
well as the "fees" has been approved by the Government for the year 2012-  
2013.
2. The University shall engage the faculty as per the norms fixed by the  
regulatory bodies viz. UGC, AICTE, BCI, MCI etc.
3. Teaching staff as per AICTE norms 1:15 for proposed courses of B.Tech.,  
BBA and MBA be provided for starting the first year classes.
4. The University shall give the details of regular faculty in the prospectus.  
Further the details of the entire faculty including contract/part time should  
be available alongwith their photos, qualification and bio-data in the  
official website of the University.
5. The deficiency of the faculty shall be fulfilled atleast one month before start  
of the course.
6. The infrastructure viz. computers, labs and other equipments shall be  
provided as per norms of the regulatory bodies and shall be available before  
the start of course.
7. In case any deficiency is observed at later stage, suitable action as per law  
shall be initiated against the University.
8. The tuition fee shall be charged annually, in two equal installments.
9. The Institutional Development Charges shall be ₹ 10,000/- in each case for  
every University, to be charged annually.
10. The Caution Money for Hostel will be ₹ 5,000/- and for University it will  
be ₹ 10,000/- in each case for every University for the whole  
programme/course. This fees will be refundable in nature.

*30/8/12*

*504  
22/8/12*

*522/100/055*

Seen By	
The V.C.	
Registrar	
Supdt.	

*seen by V.C. sm, etc. copy etc  
on 22/8/12.*

*Dr. I.S. Mudhara 25/8/12  
(Received copy)*

11. The University shall charge the fees under the four heads as recommended by the committee and no other fees shall be charged by the University.
12. The University shall remain free to propose the add-on charges for special facilities/activities over and above those included in the list to be provided for specific students on optional basis from time to time, but for any facility which is provided to all the students of a programme there cannot be any add on charges for that.
13. The University will clearly categorize the fees for hostellers and non-hosteller, as the case may be and the details thereof as approved by the Government shall be given in the prospectus.
14. The University shall encourage and implement all the welfare schemes applicable for the staff as well as students.
15. In no case shall the fee fixed by the Government exceed the proposed fee structure by the University. In case, it is detected it shall be suitably reduced.
16. If the University does not have sufficient faculty and infrastructure for running a course, the University can drop the idea of starting such courses.
17. If already charging less than approved tuition fee, same shall be continued. If charging more, excess be refunded.
18. If any University charges more than the fee approved, the Government will take action against the University.
19. If any course/degree/programme is not recognized by the UGC for which the fee has been approved the same shall not be deemed as approved.
20. Only the courses approved by the State Government be considered as the final approval of fees.
21. The fee structure approved for the year 2012-2013 shall not be applicable for this year if the courses are not approved by the Government for continuation.
22. As per provision of the section 8(a) of the H.P. Private Educational Institutions (Regulatory Commission) Act, 2010, upto one percent fee as assessed by the Regulatory Commission is required to be credited to the fund established vide Act ibid. You are, therefore, permitted to charge the fees as would be assessed by the Regulatory Commission for the academic session 2012-2013 under section 8(a) of the Act ibid from the students in addition to the fees fixed as per annexure "A".

Yours faithfully,

*B. N. Singh*

**Under Secy.(Hr. Education) to the  
Govt. of Himachal Pradesh**

Endst. No. as above

Dated: Shimla-171001, 20<sup>th</sup> August, 2012.

Copy alongwith a copy of ANNEXURE 'A' for information and necessary action to:-

1. The Director of Higher Education, Himachal Pradesh, Shimla-171001.
2. The Member-Secy.-cum-Addl. Director(Colleges), Directorate of Higher Education, Himachal Pradesh, Shimla-171001.
3. The Secretary, H.P. Private Educational Institutions Regulatory Commission, Majitha House Complex, Chhota Shimla, Shimla-2.
4. The Guard File.

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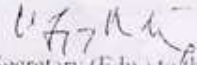
**Under Secretary(Hr. Education) to the  
Govt. of Himachal Pradesh**

ANNEXURE 'A'

**FINAL FEE STRUCTURE OF THE ETERNAL UNIVERSITY BARU SAHIB, DISTT SIRMAUR, HIMACHAL PRADESH FOR THE YEAR 2012-13.**

S.No.	Name of the course	No. of Seats	Final Fee for 2012-13 (Annual)				
			Tuition & all other fees (Annually in two equal installments)	Institutional Development Charges (in ₹) (Annual)	Caution Money (in ₹) (One time)	Hostel Charges (in ₹)	
						Security (One time)	Board (Annual)
1.	2.		3.	4.	5.	6.	7.
1.	Ph.D in Biotech, Ph. D in Renewable Energy under Deptt. of Physics	02 seats each	12,000	10,000	10,000	5,000	30,000(S) 24,000(D) 18,000(T)
2.	MA(Psychology)	30 seats	12,000	10,000	10,000	5,000	30,000(S) 24,000(D) 18,000(T)
3.	B.Ed	100 seats	12,000	10,000	10,000	5,000	30,000(S) 24,000(D) 18,000(T)
4.	M.Sc. Nursing in (i) Medical Surgical Nursing (ii) Mental Health Nursing (iii) MCH Nursing	05 seats 05 seats 05 seats	12,000	10,000	10,000	5,000	30,000(S) 24,000(D) 18,000(T)

Note:- The fees approval is subject to the conditions mentioned in letter No. EDN-A-Ka(5)-1120-1-Loose dated 5<sup>th</sup> May, 2012 & 13<sup>th</sup> June, 2012.

  
 Secretary (Edo) to the  
 Govt. of Himachal Pradesh

## 12. **STUDENTS STRENGTH**

“Reading makes a full man; conference a ready man, and writing an exact man”.

**-Francis Bacon**

# Eternal University Baru Sahib

AKAL COLLEGE OF ENGINEERING & TECHNOLOGY			
S.N.	Batch & Course	CSE	ECE
1.	B.Tech. 1 <sup>st</sup> Semester (2012)	28	15
2.	B.Tech. 3 <sup>rd</sup> Semester (2011)	39	34
3.	B.Tech. 5 <sup>th</sup> Semester (2010)	66	44
4.	B.Tech. 7 <sup>th</sup> Semester (2009)	112	35
AKAL COLLEGE OF ECONOMICS			
1.	B.Sc. (Eco.) 1 <sup>st</sup> Semester (2012)	17	
2.	B.Sc. (Eco.) 3 <sup>rd</sup> Semester (2011)	20	
3.	B.Sc. (Eco.) 5 <sup>th</sup> Semester (2010)	10	
AKAL COLLEGE OF DIVINE MUSIC & SPIRITUALISM			
1.	B.A. Music 1 <sup>st</sup> Semester (2012)	22	
2.	B.A. Music 3 <sup>rd</sup> Semester (2011)	24	
3.	B.A. Music 5 <sup>th</sup> Semester (2010)	26	
AKAL COLLEGE OF ARTS & SCIENCES			
1.	B.A Humanities 3 <sup>rd</sup> Semester (2011)	35	
2.	B.A Humanities 5 <sup>th</sup> Semester (2010)	21	
3.	B.A. Mathematics 3 <sup>rd</sup> Semester (2011)	05	
4.	B.A. Mathematics 5 <sup>th</sup> Semester (2010)	03	
5.	B.Sc. Medical 5 <sup>th</sup> Semester (2010)	05	
6.	B.Sc. Non-Medical 5 <sup>th</sup> Semester (2010)	04	
7.	B.Sc. Non-Medical 1 <sup>st</sup> Semester (2012)	05	
AKAL COLLEGE OF NURSING			
1.	B.Sc. Nursing 1 <sup>st</sup> Year (2012)	51	
2.	B.Sc. Nursing 2 <sup>nd</sup> Year (2011)	58	
3.	B.Sc. Nursing 3 <sup>rd</sup> Year (2010)	57	
4.	B.Sc. Nursing 4 <sup>th</sup> Year (2009)	48	
AKAL COLLEGE OF POST GRADUATE STUDIES			
1.	M.Tech. 1 <sup>st</sup> Semester (2012)	09	8
2.	M.Tech. 3 <sup>rd</sup> Semester (2011)	07	03
3.	M.Tech. Part Time 4 <sup>th</sup> Semester (2010)	06	02
AKAL COLLEGE OF BUSINESS ADMINISTRATION			
1.	MBA. 1 <sup>st</sup> Semester (2012)	05	
2.	MBA. 3 <sup>rd</sup> Semester (2011)	08	
AKAL COLLEGE OF BIOTECHNOLOGY			
1.	M.Sc. Biotech. 1 <sup>st</sup> Semester (2012)	03	
2.	M.Sc. Biotech. 3 <sup>rd</sup> Semester (2011)	03	
3.	P.hD Biotech. 1 <sup>st</sup> Semester (2010)	03	
AKAL COLLEGE OF CHEMISTRY/PHYSICS			
1.	M.Sc. Chemistry (2012)	01	
2.	P.hD Chemistry (2010)	02	
3.	P.hD Chemistry (2012)	01	
4.	M.Sc. Physics (2012)	03	

## 13. EXAMINATION RESULTS

“The world is ready to give up its secrets if you know how to knock and how to give necessary blow”.

-Vivekanand

## **EXAMINATION RESULT FINAL YEAR**

<b>Branch</b>	<b>Appeared</b>	<b>Pass</b>
B.A Humanities	36	34
B.A. Music	9	7
B.Tech.	231	217
B.Sc. Nursing	30	29
M.Sc. Chemistry	4	4
B.Sc. Economics	12	10
Total	322	301

# **ETERNAL UNIVERSITY EXAMINATIONS**

## **BRANCH**

### **Introduction:**

Examination Branch is the backbone of any university. It is responsible for conducting the examinations and declaration of results, awarding degrees to passing out Undergraduate, Post Graduate and Research Scholars.

Eternal University Examination Branch has complete database of the scores of all students in internal & external examinations and aggregates them to form their final grades. Currently, Letter Grading system is used for B.Tech., B.Sc./B.A. (Hons.) Economics, M.Sc. BioTech, MBA, Ph.D. BioTech. and percentage system is used in other courses. For B.Sc. Nursing the guidelines of Indian Nursing Council (INC) are followed. Besides this, it also issues Registration numbers to newly admitted students. The Results preparation is done in M.S. Excel.

### **Faculty:**

Examination branch works with the team spirit and collective cooperation of following faculty members.

- |                      |                                   |
|----------------------|-----------------------------------|
| 1. Er. Sukhbir Singh | Deputy Controller of Examinations |
| 2. Mr. Shobha Singh  | Office Supdt.                     |
| 3. Mr. Satwant Singh | Asst. Office Supdt.               |
| 4. Mrs. Mandeep Kaur | Office Asst.                      |
| 5. Mr. Rajesh Dhiman | Office Clerk                      |

### **Infrastructure:**

1. A Photostat machine (Canon 3530) was added in the department in the month Nov 2012 to speed up the work of printing and upgrade secrecy within the branch.
2. An external Hard disk 500 GB, Toshiba was added to the department infrastructure to secure the back up of data.
3. A strong room along with 12 wooden almirahs were added to the department to ensure the storage of old answer sheets of previous years.

### **Software :**

Operating System	:	Windows 7
Applications	:	Microsoft Excel, Microsoft Word

### **Hardware :**

Computer	:	5
Printers	:	2
Photostat Machine	:	1
External Hard Disk	:	1 (500 GB)

**Achievements:**

1. The department successfully conducted the convocation for the 301 pass out students of batch 2012 on 18 Nov, 2012.
2. A new system of filling verification forms by passing out students for further communication in future. In these form students fills Permanent Address, Phone No., Email ID etc. This helps to keep regular contact with the passed out students.

**Result Statistics:** The Result statistics of the year April - 2012 to March 2013 is presented in the following table:

Sr. No.	Course	Examinations held in	Semester /Year	No. of Students Appeared	No. of Students Passed
1	B.Sc. (Hons) Economics (Batch 2009)	June 2012	6 <sup>th</sup>	12	10
2	B.Sc. (Hons) Economics (Batch 2010)	June 2012	4 <sup>th</sup>	10	10
3	B.Sc. (Hons) Economics (Batch 2011)	June 2012	2 <sup>th</sup>	20	19
4	M.Sc. Chemistry (Batch 2010)	June 2012	4 <sup>th</sup>	4	4
5	M.Sc. Bio-Tech. (Batch 2011)	June 2012	2 <sup>nd</sup>	3	3
6	B.A. Music (Batch 2009)	June 2012	6 <sup>th</sup>	9	9
7	B.A. Music (Batch 2010)	June 2012	4 <sup>th</sup>	30	30
8	B.A. Music (Batch 2011)	June 2012	2 <sup>nd</sup>	25	25
9	B.Tech. (Batch 2008)	June 2012	8 <sup>th</sup>	231	223
10	B.Tech. (Batch 2009)	June 2012	6 <sup>th</sup>	147	113
11	B.Tech. (Batch 2010)	June 2012	4 <sup>th</sup>	109	102
12	B.Tech. (Batch 2011)	June 2012	2 <sup>nd</sup>	57	51
13	M.Tech. (Batch 2011)	June 2012	2 <sup>nd</sup>	10	9
14	M.B.A. (Batch 2011)	June 2012	2 <sup>nd</sup>	8	8
15	B.Sc. Nursing (Batch 2008)	August 2012	4 <sup>th</sup> Year	30	29
16	B.Sc. Nursing (Batch 2009)	August 2012	3 <sup>rd</sup> Year	47	45
17	B.Sc. Nursing (Batch 2010)	August 2012	2 <sup>nd</sup> Year	57	57
18	B.Sc. Nursing (Batch 2011)	August 2012	1 <sup>st</sup> Year	58	52
19	B.Sc. (Hons) Economics (Batch 2010)	January 2013	5 <sup>th</sup>	10	10

20	B.Sc. (Hons) Economics (Batch 2011)	January 2013	3 <sup>rd</sup>	20	17
21	B.Sc. (Hons) Economics (Batch 2012)	January 2013	1 <sup>st</sup>	17	10
22	M.Sc. Chemistry (Batch 2012)	January 2013	1 <sup>st</sup>	1	1
23	Ph.D. Chemistry (Batch 2012)	January 2013	1 <sup>st</sup>	2	2
24	M.Sc. Bio-Tech. (Batch 2011)	January 2013	3 <sup>rd</sup>	3	3
25	M.Sc. Bio-Tech. (Batch 2012)	January 2013	1 <sup>st</sup>	3	3
26	Ph.D. Bio-Tech. (Batch 2012)	January 2013	1 <sup>st</sup>	3	3
27	B.A. Music (Batch 2010)	January 2013	5 <sup>th</sup>	26	24
28	B.A. Music (Batch 2011)	January 2013	3 <sup>rd</sup>	24	21
29	B.A. Music (Batch 2012)	January 2013	1 <sup>st</sup>	22	22
30	B.Tech. (Batch 2009)	January 2013	7 <sup>th</sup>	147	125
31	B.Tech. (Batch 2010)	January 2013	5 <sup>th</sup>	110	93
32	B.Tech. (Batch 2011)	January 2013	3 <sup>rd</sup>	73	49
33	B.Tech. (Batch 2012)	January 2013	1 <sup>st</sup>	43	32
34	M.Tech. (Batch 2011)	January 2013	3 <sup>rd</sup>	10	8
35	M.Tech. (Batch 2012)	January 2013	1 <sup>st</sup>	17	17
36	M.B.A. (Batch 2011)	January 2013	3 <sup>rd</sup>	8	8
			<b>Total</b>	<b>1406</b>	<b>1247</b>

## **TOPPERS OF THE YEAR**

<b>Sr. No.</b>	<b>Name</b>	<b>Branch</b>
1.	Ms. Renu Bala	M.Sc. Chemistry
2.	Ms. Mandeep Kaur Maan	B.Tech. (ECE)
3.	Ms. Navneet Kaur	B.Tech. (ECE)
4.	Ms. Maninder Kaur	M.Sc. ( Hons. Schhol ) Economics
5.	Ms. Amanpreet kaur	B.Sc. (Nusring)
6.	Ms. Balvinder Kaur	B.A. ( Hons.) Music

## 14. ETERNAL UNIVERSITY LIBRARY

“Without books, God is silent, justice dormant, natural science at a stand (still), philosophy lame, letter dumb and all things involved in Cimmerian Darkness”.

**-Thomas Bertholins**

# ETERNAL UNIVERSITY LIBRARY

Dept.	No. of Books	No. of Titles	No. of Journals	
			National	International
Engg. and Science	11719	3000	5	15
Social Science & Arts, Commerce & Management	3324	800	2	
Nursing	2365	500	1	11
Gifted & Donated	1697	1500	-	-
Post Graduate Library	10000	6000	-	-
<b>E- Journals</b>			<b>National &amp; International 2005 e-Journals</b>	
<b>Total Books</b>	<b>29105</b>	<b>11800</b>	<b>08</b>	<b>26</b>
			<b>Total Print Journals = 34 Total E-Journals = 2005</b>	

# **PRESENT SITUATION**

- (a) Total No. of Books in Eternal University Library = 29105 Books**
- (b) Total No. of Journals & Magazines in Eternal University Library = 60**
- (c) Total No. of Computers in Under- Graduate Library = 50 Computers**
- (d) Total No. of Computers in Post- Graduate Library = 10 Computers**
- (e) Total Covered Area of Eternal University Library = 10000 Sq. Ft.**
- (f) Books donated to Eternal University Library**
  - (1) Manmohan S. Arora – 6000**
  - (2) Dr. V. R. Prashad – 200**
  - (3) Mr. D. K Sharma - 500**
  - (4) The Tribune Trust – 500**
  - (5) The Publication Bureau – 200**
- (g) Total Furniture-**
  - (i) 200 Chairs Seating Capacity**
  - (ii) 140 Books Racks**
  - (iii) 60 Computers**
  - (iv) 3 Periodicals Racks**
  - (v) 16 Reading Tables**
  - (vi) 2 Newspaper Reading Tables**
- (h) Library is fully Wi-Fi connected with INTERNET at all node of the library for the purpose of access of Educational Resources during all the working hours of the Library.**
- (i) Apart from books it has a huge collection of Audio video material, CD's & DVD's. The Library has a collection of over 300 CDs/ DVDs on different subjects.**
- (j) Free Online Digital E Resources facility for the student and faculty members are available in library.**
- (k) Work Study Programme: 10 students of the University have been provided with work study facility in order to facilitate “Earn While Learn” attitude.**

## (I) Library Services

### Library Resources (Print Collection)

- The Library has a total collection about 29105 printed volumes including books, textbooks, Dictionaries, Encyclopedias, World Book are organized on open access shelves in various collections.
- **Reference Collection:** Most books are available in Reference Section, Reference Copies of Text Books, Dictionaries, Encyclopedias, World Books etc. Users can use these material for photocopy and for read only in the library
- **Textbooks Collection:** Textbooks for undergraduate & postgraduate courses are kept in a separate collection. Since only a limited number of copies of each title are available, students are encouraged to buy their own textbooks.
- **Journals and Magazines:** Only journals with professional and research orientation are subscribed by the Eternal University library. General Magazines are mostly also subscribed. Library subscribes to several daily newspapers including The Tribune, The Indian Express, The Times of India, Economics Times, Hindustan Times, Ajit Samachar (Hindi), Ajit Samachar (Punjabi) and Amar Ujala .
- **Question Papers:** Question papers of past years are available in the library. Users can make photocopies of relevant papers.
- **University Archive:** Including all important documents proceedings different University bodies.

**15. ETERNAL UNIVERSITY:  
INFORMATION TECHNOLOGY  
DEPARTMENT**

“The only way we have to maintain an operating society is through communication among people”.

**-Thomas Bertholins**

# **INFORMATION TECHNOLOGY DEPARTMENT**

## **1. INTRODUCTION:**

The information technology department was established in the year 2009. As in our fast growing world of technology, IT became a commodity the same way as electricity did. We believe that it's not the software, hardware or technologies that will make the difference, but the way how we design, implement, maintain and use it. Speaking professionally software, hardware and technology as such are not that important. They are only a way to create a stable, reliable and secure IT infrastructure to meet all your business and technical needs. Cost reductions, flexibility and future scalability are key words in every project we are involved with.

## **2. ACTIVITIES:**

IT Department has been involved in managing, maintaining and troubleshooting day to day problems and requirements of the Eternal University and various departments run by it. It includes purchasing and implementation of various IT equipment's. IT department also has played crucial role in arranging Seminars, Conferences, managing Website of the University and IT department also has managed to won heart of many corporates by providing desirable technical support and Infrastructure to conduct national level Competitive examinations.

## **3. LIST OF STAFF :**

### **5. Er. Jasmeet Singh**

Assistant System Administrator  
Incharge  
(MCP, MCSE, MCITP, MCT & CCNA)

### **6. Er. Sukhchain Singh**

It Engineer,  
(B.Tech CSE, CCNA and CCNP)

### **7. Mr. Arminder Singh**

Hardware Engineer  
(BCA, MCA pursuing)

## **8. COLLABORATORS:**

- a) **Microsoft IT academy.**

## **9. ACHEIVEMENTS:**

- a) Implementation and maintenance of our own private cluster and private cloud.
- b) Set up Diskless dump terminals to reduce approximate 40 % of new purchase of computer systems.
- c) Established Our University as one of the Centres for conducting National level competitive examinations with TCS.
- d) Established University as CERTIPOTE online examination centre (Approved).
- e) Successfully achieved collaboration with Microsoft IT Academy for certification of Microsoft programmes.
- f) Designed and uploaded new website of Eternal university.
- g) Achieved success in setting up of a new Server room.
- h) Eternal University campus has been equipped with fibre optic network.
- i) A setup was established for centralized storage system.
- j) A unique and beneficial Print management System was added as a helping tool for managing and monitoring overall printing of Campus.
- k) Successfully conducted and concluded 6 weeks In-house training Programme for B.Tech Students through Microsoft certified trainers.
- l) As University is a full residential campus, to provide Internet facility a Wi-Fi System was installed throughout the campus.

## **10. FUTURE PLANS:**

Department has future plans to have more collaborators and also to E- library and ERP.

**16. ETERNAL UNIVERSITY:  
WEBSITE**

“You may delay, but the time will not”.

**-Benjamin Franklin**



**NEWS & EVENTS**

- [Anti-Ragging Committee](#)
- [UGC Recognition](#)
- [AICTE Approvals](#)
- [Akal College of Engg. & Tech., Baru Sahib, Students Score Highest Pass Percentage Amongst All The Engineering Colleges Affiliated To The](#)

**THE KALGIDHAR TRUST**

The Trust, with a vision of Universal Brotherhood and World Peace through Value Based Education, has setup this University

**ETERNAL UNIVERSITY**

This University has been set up under the Himachal Pradesh Private Universities Act. This act came into effect on 29th April 2008.

**AKAL ACADEMY**

To integrate academic excellence and professional learning with the spiritual way of life, and produce honest, altruistic and ...

**ADMISSION 2013-14**



**EVENTS**

An Industry Readiness Program is being organized in the vensity on 25th , 26th & 27th January 2013.  
[Rangol Competition](#)  
[Quiz competition](#)  
[Android Workshop](#)  
[The First Convocation of Eternal University](#)



**Announcements**

[1ST ANNUAL FLORENCE NIGHTINGALE QUIZ COMPETITION](#)  
[Akai College Of Nursing Admission Notice-2013](#)  
[Download Job Application Form](#)  
[Supply Date Sheet-2013](#)



**Featured Programs**



AKAL

- [Akai College of Arts and Sciences](#)
- [Akai College of Engineering & Technology](#)
- [Akai College of Nursing](#)
- [Akai College Of Divine Music and Spiritualism \(ACDMS\)](#)
- [Akai Institute of Renewable Energy Research](#)
- [Akai School of Post-graduate Studies](#)
- [Akai School Of Business](#)

[ULJET](#)  
[Renewable Energy Club](#)  
[Eternal University Baru Sahib new admission statistics among H.P private universities](#)

**PLACEMENTS**



- [Akai School Of Economics](#)
- [Akai School of Public Health](#)
- [Akai School of Physics](#)
- [Eternal University Libraries](#)
- [Akai Hospital & Clinics](#)
- [Akai School of Nutrition and Food Technology](#)

**17. CERTIFICATED RECOGNITION OF  
ETERNAL UNIVERSITY**

**as**

**Scientific and Industrial Research  
Origination**

**by**

**Government of India's**

“He profits most who services best no fruit  
without service”.

**Certificate of Recognition  
of Eternal University as  
Scientific and Industrial  
Research Organization  
(SIROs)**

**by Govt. of India,**

**Ministry of Science and  
Technology**

**Department of Scientific  
& Industrial Research**



भारत सरकार  
विज्ञान और प्रौद्योगिकी मंत्रालय  
वैज्ञानिक और औद्योगिक अनुसंधान विभाग  
टेकनोलॉजी भवन, नया महरौली मार्ग,  
नई दिल्ली - 110016

GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE AND TECHNOLOGY  
DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH  
TECHNOLOGY BHAVAN, NEW MEHRAULI ROAD,  
NEW DELHI-110 016

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TELEGRAM : SCINDRECH  
दूरभाष/ TEL : 26962819, 26567373  
: 26565694, 26562133  
: 26565687, 26562144  
: 26562134, 26562122 (EPBA)  
फैक्स/FAX : 26960629, 26529745  
: 26529738, 26516078

By Registered Post

F.No. 11/552/2011-TU V

Date: 13 August, 2012

The Registrar  
Eternal University of the Kalgidhar Trust  
V.P.O. Baru Sahib, Via-Rajgarh,  
District-Sirmour - 173101  
Himachal Pradesh

Subject: Recognition of Scientific and Industrial Research Organisations  
(SIROs).

Dear Sir,

This has reference to your application for recognition of Eternal University of the Kalgidhar Trust, Sirmour, Himachal Pradesh as a Scientific and Industrial Research Organisation (SIRO) by the Department of Scientific and Industrial Research under the Scheme on Recognition of Scientific and Industrial Research Organisations (SIROs), 1988.

2. This is to inform you that it has been decided to accord recognition to **Eternal University of the Kalgidhar Trust, Sirmour, Himachal Pradesh from 20.07.2012 upto 31.3.2015**. The recognition is subject to terms and conditions mentioned overleaf.

Receipt of this letter may kindly be acknowledged.

Yours faithfully,

(K.V.S.P. Rao)  
Scientist - 'G'

52/vco/069



Seen By	
The V.C.	
Registrar	
Supdt.	

**TERMS AND CONDITIONS FOR RECOGNITION OF  
SCIENTIFIC & INDUSTRIAL RESEARCH ORGANISATIONS (SIROs)**

01. The organisation should acknowledge receipt of the recognition letter by stating that they will abide by the terms and conditions of recognition.
02. The recognition will entitle the SIRO to receive such administrative support from the DSIR, Ministry of Science & Technology as may be required on issues to promote or encourage scientific research activities.
03. SIROs recognised by DSIR are also deemed to be registered. A separate certificate of registration\*\* is issued along with the recognition letter. The recognition would be valid for the period specified in the recognition letter and application for renewal of recognition shall be submitted in the prescribed format at least 3 months before the expiry of the valid recognition. Failure to submit application in time may lead to automatic lapsing of the registration & recognition.  
*\*\*However, the certificate of registration is not issued to SIROs engaged in activities falling within the definition of 'hospital' as per notification No. 51/96-Cus dt.23.07.1996 and No. 10/97-central excise dt. 01.03.1997 issued by the Department of Revenue.*
04. The recognition of DSIR does not amount to approval w/s 35(1)(ii)/(iii) of Income Tax Act 1961.
05. The registration will entitle the SIROs to avail custom/excise duty exemption on purchase of equipment, instruments, spares thereof, consumables etc. used for research & development subject to relevant Government policies in force from time to time. Such exemptions will have to be separately applied for in the prescribed formats. The SIROs should also abide by the terms & conditions of the customs & central excise notifications issued/amended from time to time.
06. Separate books of accounts shall be maintained by the SIRO for research & development activities and the R&D expenditure, both capital and recurring should be reflected in the Annual Report and Statement of Accounts of the organisation in separate schedules.
07. Disposal/sale of equipment and products/prototypes/intermediates, if any, emanating from the R&D/pilot plant, should be intimated to DSIR immediately. The realisation if any, from above or any services rendered etc. shall be shown in the R&D accounts of the organisation as income of the SIRO in the audited accounts as well as annual report and should be used or reinvested for research activities only. In case of disposal/sale of R&D equipment, clearance from customs/excise authorities will also be required in view of the applicable notifications under which the equipment was imported/purchased in India.
08. Accelerated depreciation allowance as per Rule 5(2) of Income Tax Rules 1962 will be available on investments on plant & machinery by any industrial unit which has made these investments for the purpose of commercialisation of technology/know-how acquired from a SIRO recognised by DSIR.
09. Brief summary of the achievements of the organisation shall be submitted to the DSIR every year. This should include details related to papers published, patents obtained and process developed, new products introduced, awards & prizes received, copy of the Annual Report and Statement of Accounts of the Organisation etc. List of equipment, instruments, parts and consumables imported/purchased using the duty exemption should also be submitted to DSIR along with the annual report.
10. Any violation of the terms & conditions mentioned above and/or provisions of taxation in force will make the organisation liable to de-recognition.
11. The organisation will also conform to such other conditions for recognition stipulated in the Guidelines or as may be specifically provided in the recognition letter.

\*\*\*\*\*

TELEGRAM : SCINDRECH  
दूरभाष/ TEL : 26962819, 26567373  
: 26565894, 26562133  
: 26565887, 26562144  
: 26562134, 26562122 (EPBAX)  
फैक्स/FAX : 26960629, 26529745  
: 26516078  
Website : http://www.dsir.gov.in



भारत सरकार  
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विज्ञान और प्रौद्योगिकी मंत्रालय  
वैज्ञानिक और औद्योगिक अनुसंधान विभाग  
टेक्नोलॉजी भवन  
नया महरौली मार्ग, नई दिल्ली - 110016  
GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE AND TECHNOLOGY  
Department of Scientific and Industrial Research  
Technology Bhavan  
New Mehrauli Road, New Delhi-110016

By Registered Post .

F.No. 11/552/2011-TU V

Date: 13 August, 2012

The Registrar  
Eternal University of The Kalgidhar Trust  
V.P.O. Baru Sahib, Via-Rajgarh,  
District-Sirmour - 173101  
Himachal Pradesh  
Maharashtra

Subject: Registration of Research Institution, other than a Hospital, for the purposes of availing Customs/Central Excise duty exemption in terms of Govt. Notifications No. 51/96-Customs dated 23<sup>rd</sup> July, 1996 & No. 24/2007-Customs dated 01.03.2007 and Central Excise Duty Exemption in terms of Govt. Notifications No. 10/97-Central Excise dated 1<sup>st</sup> March, 1997 & No. 16/2007-Central Excise dated 01.03.2007

**CERTIFICATE OF REGISTRATION**

This is to certify that **Eternal University of The Kalgidhar Trust, Sirmour, Himachal Pradesh** is registered with the Department of Scientific and Industrial Research (DSIR) for purposes of availing customs duty exemption in terms of Government Notifications No. 51/96-Customs dated 23<sup>rd</sup> July, 1996 & No. 24/2007-Customs dated 1<sup>st</sup> March, 2007 and Central Excise duty exemption in terms of Government Notifications No. 10/97-Central Excise dated 1<sup>st</sup> March, 1997 & No. 16/2007-Central Excise dated 1<sup>st</sup> March, 2007 as amended from time to time. The Registration is subject to terms and conditions mentioned overleaf.

This Registration is valid upto 31.3.2015.

Please acknowledge the receipt.

Yours faithfully,



Seen By	
The V.C.	
Registrar	
Supdt.	

(K.V.S.P. Rao)  
Scientist - 'G'

**TERMS AND CONDITIONS FOR REGISTRATION OF  
SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATIONS (SIROs)**

1. The registration would be valid for the period specified in the Registration letter. The renewal of registration shall be made as and when the renewal of recognition as Scientific and Industrial Research Organisation is granted.
2. The registration will entitle the Scientific and Industrial Research Organisation to avail of customs duty exemption on the import of equipment, instruments, spares thereof, consumables, etc. during the period of recognition and subject to relevant Government policies in force from time to time.
3. The registration of the Scientific and Industrial Research Organisation by DSIR does not amount to granting of customs duty/central excise exemption. Such exemptions will have to be separately applied for in the prescribed formats. The SIROs should abide by the terms & conditions of the customs & central excise notifications issued/amended from time to time.
4. In case of disposal/sale of R&D equipment, clearance from customs/excise authorities will also be required in view of the applicable notifications under which the equipment was imported/purchased in India.
5. List of the equipments, instruments, accessories, parts and consumables imported/purchased by the Scientific and Industrial Research Organisation shall be furnished to department annually along with the annual report.

\*\*\*\*\*

**18. MINORITY STATUS CERTIFICATE TO**  
**AKAL COLLEGE OF ENGINEERING AND**  
**TECHNOLOGY**

“Hope is a great breakfast but it is a bad  
supper”.

**-Francis Bacon**



ITEM No..6 BY REGISTERED POST

भारत सरकार  
राष्ट्रीय अल्पसंख्यक शैक्षणिक संस्था आयोग  
GOVERNMENT OF INDIA  
NATIONAL COMMISSION FOR MINORITY EDUCATIONAL INSTITUTIONS

गेट नं० ४, प्रथम तल, जीवन तारा भवन, ५, संसद मार्ग  
पटेल चौक, नई दिल्ली - ११० ००१  
Gate No. 4, 1st Floor, Jeevan Tara Building, 5, Sansad Marg  
Patel Chowk, New Delhi - 110 001  
www.ncmei.gov.in

F. NO. 1553 OF 2011/58451

16 February, 2012

To

Dr. Davinder Singh,  
Secretary,  
The Kalgidhar Trust,  
V.P.O. Baru Sahib,  
Via Rajgarh, Tehsil Pachhad,  
Dist. Sirmour,  
Himachal Pradesh - 173 101

Sir,

Please refer to your letter dated 05.09.2011, forwarding therewith application in the prescribed format for obtaining the certification of minority status for your college.

The Commission vide its Order dated the 02.02.2012 has decided to issue the Minority Status Certificate to Akal College of Engineering & Technology, V.P.O. Baru Sahib, Via Rajgarh, Tehsil Pachhad, Dist. Sirmour, Himachal Pradesh. Accordingly, please find enclosed herewith the Minority Status Certificate dated the February 2, 2012 in original, in respect of the said college.

Please acknowledge receipt.

Enc: As above

Yours faithfully,

  
(Raj Singh)  
Secretary  
Tel. No. 23367520



भारत सरकार

राष्ट्रीय अल्पसंख्यक शैक्षणिक संस्था आयोग

GOVERNMENT OF INDIA

NATIONAL COMMISSION FOR MINORITY EDUCATIONAL INSTITUTIONS

प्रथम तल, जीवन तारा भवन, 5, संसद मार्ग  
पटेल चौक, नई दिल्ली - 110001

1st Floor, Jeevan Tara Building, 5, Sansad Marg  
Patel Chowk, New Delhi - 110001

www.ncmei.gov.in

**C E R T I F I C A T E**

Dated: 2<sup>nd</sup> February 2012

THIS IS TO CERTIFY THAT BY THE ORDER DATED 2<sup>ND</sup> DAY OF FEBRUARY 2012 PASSED BY THE NATIONAL COMMISSION FOR MINORITY EDUCATIONAL INSTITUTIONS, NEW DELHI IN CASE NO. 1553 OF 2011 (AKAL COLLEGE OF ENGINEERING & TECHNOLOGY, V.P.O. BARU SAHIB, VIA RAJGARH, TEHSIL PACHHAD, DIST. SIRMOUR, HIMACHAL PRADESH, VS. DEPUTY SECRETARY (EDUCATION), EDUCATION DEPARTMENT, GOVERNMENT OF HIMACHAL PRADESH), AKAL COLLEGE OF ENGINEERING & TECHNOLOGY RUN BY THE KALGIDHAR TRUST HAS BEEN DECLARED AS A MINORITY EDUCATIONAL INSTITUTION COVERED UNDER SECTION 2 (g) OF THE NATIONAL COMMISSION FOR MINORITY EDUCATIONAL INSTITUTIONS ACT, 1992.

GIVEN UNDER MY HAND AND THE SEAL OF THE COMMISSION ON THIS 2<sup>ND</sup> DAY OF FEBRUARY 2012.



  
(RAJ SINGH)  
SECRETARY

सचिव/Secretary  
एन सी ई आर  
NATIONAL COMMISSION FOR  
MINORITY EDUCATIONAL INSTITUTIONS  
पंचम तल, जीवन तारा भवन  
Govt. of India, New Delhi

## **19. ANTI RAGGING AUTHORITIES**

**R - Rogne's Act**

**A - Abusive**

**G - Grim**

**G - Galignite Situation**

**I - Inhuman**

**N - Notorious**

**G - Gate way to PUNISHMENT**



Ref. No : EU/VCO/072/20

Dated : 17 Aug 2012

## NOTIFICATION

In exercise of powers conferred by Sub Section 13 (2) of the Eternal University (Establishment and Regulation) Act No. 3 of 2009, the following authorities have been constituted according to U.G.C Notification No F.1-16/2007 (Cpp-11) dated 17<sup>th</sup> June 2009 (UGC Regulations on curbing the menace of ragging in Higher Educational Institutions, 2009) Clause 6.3 (a), 6.3 (c) and 6.3 (g) :-

### ANTI-RAGGING COMMITTEE MEMBERS

Ser No	Name	Designation	Tele No
1 ✓	Dr. Manmohan S. Atwal	Vice Chancellor	9816395437
2 ✓	Dr. I.S. Hudiara	Dean Studies Faculty of Engineering & Technology,	9816400641
3 ✓	Dr. Davinder Singh	Dean Education	9816400503
4 ✓	Dr. Neelam Kaur	Dean Health Science	9816400504
5 ✓	Dr. H.S. Dhaliwal	Dean, Akal School of Bio-Technology	9805098702
6	Mr. Suresh Bhardwaj	SDM Rajgarh	9418023371
7	Sh. Ram Lal Bansal	DSP Rajgarh	9418067033
8	Mr. Balbir Singh Kanwar	SHO Pachad	9805419810
9	Mr. Ved Parkash	Umar Ujala Rajgarh	9418485301
10 ✓	S. Sikander Singh	Assistant Professor	9816956654
11 ✓	Mr. Sikander Singh	Parent	9816785046
12 ✓	Mr. Jaskaran Singh	ECE-VI	9805622630
13 ✓	Ms. Ramneek Kaur	CSE VI	9882437092

...2/-

BARU SAHIB, VIA RAJGARH, DISTT: SIRMOUR, HIMACHAL PRADESH-173101 (INDIA)

Tele: 01799-276012, Fax: 01799-276006, Mob. 9816400624

E-mail : [contact@eternaluniversity.org](mailto:contact@eternaluniversity.org), Web site: [www.eternaluniversity.org](http://www.eternaluniversity.org)



# Eternal University

(World peace through value based education)

2

## MEMBERS OF ANTI-RAGGING SQUAD

Ser No	Name	Designation	Tele No
1.	Dr. H.S. Dhaliwal	Dean, Akal School of Bio-Technology	9805098702
2.	Dr. I.S. Hudiara	Dean Studies Faculty of Engineering & Technology,	9816400641
3.	S. Sikander Singh	Assistant Professor	9816956054
4/	Mr. Tejinder Singh	Assistant Professor	9816248519
5/	Ms. Neha Dutta	Asst. Dean Student Welfare	9805724263
6/	Mr. Ravinderjit Singh	Warden Boys Hostel	9816819379

## MONITORING CELL

Ser No	Name	Designation	Tele No
1.	Dr. Manmohan S. Atwal	Vice Chancellor	9816395437
2.	Dr. Davinder Singh	Dean Education	9816400503
3	Dr. Neelam Kaur	Dean Health Science	9816400504
4/	Dr. N.K. Raihan	Dean, Akal School of Chemistry	9816400545
5.	Dr. I.S. Hudiara	Dean Studies Faculty of Engineering & Technology,	9816400641
6/	Dr. Harpreet Kaur	Admin Incharge, Akal College of Nursing	9816441158

*Manmohan S. Atwal*

(Dr. Manmohan S. Atwal)  
Vice Chancellor

vi

Copy to :-

1. Secretary Higher Education, H.P. Government, Shimla-2.
2. Director Higher Education, H.P. Government, Shimla-1.
3. Chairperson, H.P. Private Educational Institutions, Regulatory Commission, Majitha House Complex, Shimla-2
4. Deputy Commissioner, Sirmour at Nahan.
5. Senior Superintendent of Police, Sirmour at Nahan.
6. All Members.

BARU SAHIB, VIA RAJGARH, DISTT: SIRMOUR, HIMACHAL PRADESH-173101 (INDIA)

Tele: 01799-276012, Fax: 01799-276006, Mob. 9816400624

E-mail : [contact@eternaluniversity.org](mailto:contact@eternaluniversity.org), Web site: [www.eternaluniversity.org](http://www.eternaluniversity.org)

**20. FIRST CONVOCATION OF  
ETERNAL UNIVERSITY HELD ON  
18<sup>th</sup> NOV 2013**

“Knowledge is power”.

**-Hobbes**



*FIRST CONVOCATION  
OF  
ETERNAL UNIVERSITY*

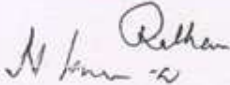
**18<sup>th</sup> NOV. 2012**

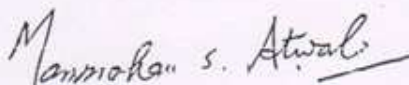
**SCROLL OF STUDENTS GETTING  
DEGREES**

# AKAL SCHOOL OF CHEMISTRY

## Master of Science in Chemistry

Sr. No	EU REGN NO.	STUDENT'S NAME
1	BS10MSC003	Renu Bala
2	BS10MSC001	Baljeet Kaur
3	BS10MSC002	Simran Jeet Singh
4	BS10MSC004	Manmeet Singh

  
(Dr. N.K. Ralhan)  
Dean  
Akal School of Chemistry

  
Vice Chancellor  
Eternal University

# AKAL COLLEGE OF ENGINEERING AND TECHNOLOGY

## Bachelor of Technology in Electronics and Communication Engineering

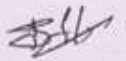
SR. NO.	EU REGN. NO.	STUDENT'S NAME
1	BS08BTEC180	MANDEEP KAUR MAAN
2	BS08BTEC151	AAKASH S JHABA
3	BS08BTEC152	ABHINAV SHARMA
4	BS08BTEC153	ACHAL SHARMA
5	BS08BTEC154	AKSHAY KACHRU
6	BS08BTEC155	AMANPREET SINGH
7	BS08BTEC156	AMIT CHANDER THAKUR
8	BS08BTEC157	ANKUR BHARTI
9	BS08BTEC158	ANKUR PATHANIA
10	BS08BTEC159	ARTI MEHTA
11	BS08BTEC161	ARUN KUMAR PATHANIA
12	BS08BTEC162	AVIN TOMAR
13	BS08BTEC163	BHUMIKA GUPTA
14	BS08BTEC165	DEEPAK CHANDEL
15	BS08BTEC166	DINESH KUMAR
16	BS08BTEC168	ESHAN GAMBHIR
17	BS08BTEC169	GAURAV KUMAR THAKURAL
18	BS08BTEC170	GIRISH GUPTA
19	BS08BTEC171	GURWINDER SINGH
20	BS08BTEC172	HARJEET KARAN SINGH

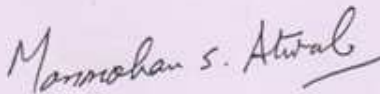
21	BS08BTEC173	HARPREET SINGH
22	BS08BTEC174	HITESH PANDIT
23	BS08BTEC175	JASKIRAT SINGH MANN
24	BS08BTEC176	JIVESH VERMA
25	BS08BTEC177	JYOTSNA SHARMA
26	BS08BTEC178	KUNAL SOOD
27	BS08BTEC179	LALITA SHARMA
28	BS08BTEC181	MEGHA ANAND
29	BS08BTEC182	MOHAMMAD WAFI UL HASEB MIRZA
30	BS08BTEC183	MOHIT THAKUR
31	BS08BTEC184	MONIKA DOGRA
32	BS08BTEC185	NIHIT SHARMA
33	BS08BTEC186	PANKAJ KUMAR
34	BS08BTEC187	PARAMVEER SINGH
35	BS08BTEC189	PUNEET THAKUR
36	BS08BTEC190	RACHITA KASHYAP
37	BS08BTEC191	RAVNEET SINGH
38	BS08BTEC192	RITESH PARMAR
39	BS08BTEC193	RITTUL KUMAR
40	BS08BTEC194	ROHINI SHARMA
41	BS08BTEC196	SACHIN BHARDWAJ
42	BS08BTEC198	SHAIFALI DOGRA
43	BS08BTEC199	SHIVANI CHAUHAN
44	BS08BTEC200	SHRUTI PARIHAR
45	BS08BTEC201	SIDDHARTH THAKUR
46	BS08BTEC202	SUMANGLA

47	BS08BTEC203	SWATI THAKUR
48	BS08BTEC204	TAVISH GUPTA
49	BS08BTEC205	TEJASVIT KOUR
50	BS08BTEC206	VARUN SOOD
51	BS08BTEC207	VIBHUTI SHARMA
52	BS08BTEC208	VINOD KUMAR
53	BS08BTEC209	VISHAL THAKUR
54	BS08BTEC210	VIVEK KUMAR RAIZADA
55	BS08BTEC221	ABHILASH SHARMA
56	BS08BTEC222	ABHISHEK SHARMA
57	BS08BTEC223	AJAY LAKHANPAL
58	BS08BTEC224	AMAN THAKUR
59	BS08BTEC225	AMAR PAL SINGH
60	BS08BTEC226	AMIT KANGO
61	BS08BTEC227	AMNINDER KAUR
62	BS08BTEC228	ANKUR KUMAR
63	BS08BTEC229	ANSHUL THAKUR
64	BS08BTEC230	ARUN KUMAR
65	BS08BTEC231	ASHISH THAKUR
66	BS08BTEC232	AVTAR SINGH
67	BS08BTEC233	BANITA DEVI
68	BS08BTEC234	CHIRAG SHARMA
69	BS08BTEC235	SANDEEP JAMWAL
70	BS08BTEC236	DIVESH SINGLA
71	BS08BTEC237	DIWAKAR BHARDWAJ
72	BS08BTEC238	GAURAV CHOUHAN

73	BS08BTEC239	GAURAV VERMA
74	BS08BTEC240	GEETANJALI SHARMA
75	BS08BTEC241	GURSEWAK SINGH
76	BS08BTEC242	HANISH SHARMA
77	BS08BTEC243	HARPREET SINGH
78	BS08BTEC245	JAGJIWAN SINGH
79	BS08BTEC247	KASHISH JAISWAL
80	BS08BTEC248	KRIKA JOSHI
81	BS08BTEC250	MANVI SHARMA
82	BS08BTEC251	MOHIT CHAUHAN
83	BS08BTEC252	MONIKA SHARMA
84	BS08BTEC253	NAVEEN THAKUR
85	BS08BTEC254	NEELAM KUMARI
86	BS08BTEC255	PANKAJ KUMAR
87	BS08BTEC256	PARMJEET SINGH CHAUHAN
88	BS08BTEC257	BABITA SHARMA
89	BS08BTEC258	VISHAL SHARMA
90	BS08BTEC259	PRANJAL
91	BS08BTEC260	RAMESH SHARMA
92	BS08BTEC261	RENE SHARMA
93	BS08BTEC262	RITESH KUMAR SHARMA
94	BS08BTEC263	RITTANJAY KAPOOR
95	BS08BTEC264	ROBIN SONI
96	BS08BTEC265	ROHIT KUMAR SHARMA
97	BS08BTEC266	RUCHIKA BANSAL
98	BS08BTEC267	SACHIN KHATTA

99	BS08BTEC268	SANCHIT SACHDEVA
100	BS08BTEC269	SHIVANI
101	BS08BTEC270	SHIVANI THAKUR
102	BS08BTEC271	SHWETA DUTTA
103	BS08BTEC272	SOURABH CHAUHAN
104	BS08BTEC273	SWATI SHARMA
105	BS08BTEC274	TARUCHI BAHUGUNA
106	BS08BTEC275	UPPMA SOHARU
107	BS08BTEC276	VANSHUL BANTA
108	BS08BTEC277	VINAY SHARMA
109	BS08BTEC279	VIVEK
110	BS08BTEC280	VIYOM SIDDHARTH

  
(Dr. I.S. Hudiara)  
Dean  
Akal College of Engineering & Technology

  
Vice Chancellor  
Eternal University

# AKAL COLLEGE OF ENGINEERING AND TECHNOLOGY

## Bachelor of Technology in Computer Science and Engineering


SR. NO.	ET/REGN. NO.	STUDENT'S NAME
1	BS08BTCS102	NAVNEET SINGH
2	BS08BTCS001	ABHAY THAKUR
3	BS08BTCS002	ADITI SOOD
4	BS08BTCS005	AMANDEEP KAUR
5	BS08BTCS006	ANGAD SINGH CHOTALLA
6	BS08BTCS007	ANKUR GUPTA
7	BS08BTCS008	ANUBHA GUPTA
8	BS08BTCS009	APOORAV SOOD
9	BS08BTCS010	ASHISH KUMAR
10	BS08BTCS011	ASHISH THAKUR
11	BS08BTCS013	BALJINDER SINGH
12	BS08BTCS014	DAVINDER SINGH
13	BS08BTCS015	DEEPAK MAHAJAN
14	BS08BTCS016	DEEPIKA SHARMA
15	BS08BTCS017	GAURAV PANDEY
16	BS08BTCS019	HARISH DHAUTA
17	BS08BTCS020	HARKEET SINGH
18	BS08BTCS021	HARLEEN KAUR
19	BS08BTCS022	HIMANSHU THAKUR
20	BS08BTCS023	INDERJIT KAUR

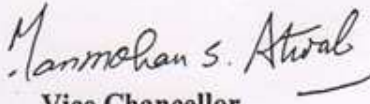
21	BS08BTCS024	ISHAN SHARMA
22	BS08BTCS025	JASLEEN KAUR
23	BS08BTCS028	KAVITA KUMARI
24	BS08BTCS029	KUBER SHARMA
25	BS08BTCS030	MANDEEP SINGH
26	BS08BTCS032	NANPREET KAUR
27	BS08BTCS033	NAVDEEP SINGH
28	BS08BTCS035	NTIN CHAUHAN
29	BS08BTCS036	PANKAJ SHARMA
30	BS08BTCS038	PARIDHI KUREL
31	BS08BTCS040	RAJBEER KAUR
32	BS08BTCS041	RAJVINDER SINGH
33	BS08BTCS042	RITIKA
34	BS08BTCS043	ROBIN SINGH
35	BS08BTCS044	ROHIT
36	BS08BTCS045	VIVEK KUMAR THAKUR
37	BS08BTCS046	SATNAM SINGH
38	BS08BTCS047	SAURABH
39	BS08BTCS049	SHAGUN GAUTAM
40	BS08BTCS050	SHEETAL CHARBATHIA
41	BS08BTCS051	SHRUTI ARORA
42	BS08BTCS052	SIMARDEEP SINGH
43	BS08BTCS053	SUGANDHA GOEL
44	BS08BTCS054	SWATI SHARMA
45	BS08BTCS055	TAMANA SHARMA

46	BS08BTCS057	TARUN GUPTA
47	BS08BTCS058	TAVLEEN CHEEMA
48	BS08BTCS060	VINAY RANA
49	BS08BTCS071	ABHISHEK THAKUR
50	BS08BTCS072	AKANKSHA
51	BS08BTCS073	AKASHDEEP SINGH
52	BS08BTCS074	ANAMICA MAHAJAN
53	BS08BTCS075	ANIRUDH BHASKAR
54	BS08BTCS076	ANKUR SHARMA
55	BS08BTCS077	ARCHIT ARORA
56	BS08BTCS079	ASHOK KAKKAR
57	BS08BTCS080	AVANTIKA SAKLANI
58	BS08BTCS081	BHUPINDER SINGH
59	BS08BTCS082	DEEPA GULERIA
60	BS08BTCS083	DEEPAK KUMAR SHARMA
61	BS08BTCS084	DHRUV
62	BS08BTCS085	GAGANDEEP SINGH
63	BS08BTCS086	GIRISH
64	BS08BTCS087	GURSIMRAN SINGH
65	BS08BTCS088	GURVINDER KAUR
66	BS08BTCS089	HIMANSHU SHARMA
67	BS08BTCS091	IKSHITA BANSAL
68	BS08BTCS092	INDERPAL SINGH
69	BS08BTCS093	ISHA BHARTI
70	BS08BTCS094	JASPREET SINGH

71	BS08BTCS095	JATINDER SINGH
72	BS08BTCS096	GAGAN DEEP SINGH
73	BS08BTCS098	MANMEET SINGH
74	BS08BTCS099	MEENAL SHARMA
75	BS08BTCS100	NAINA SINGH
76	BS08BTCS101	NAVEEN SAGAR
77	BS08BTCS103	NAVPREET KAUR
78	BS08BTCS104	NITIN SHARMA
79	BS08BTCS105	NITINDER PAL SINGH
80	BS08BTCS106	PARMINDER SINGH
81	BS08BTCS107	PUNIT PATYAL
82	BS08BTCS108	RACHIT SHARMA
83	BS08BTCS109	RAJ PARTAP SINGH
84	BS08BTCS110	REETA RANI
85	BS08BTCS111	RITIKA THAKUR
86	BS08BTCS112	ROHIT DHADWAL
87	BS08BTCS113	SAIYAM KUMAR MEHRA
88	BS08BTCS114	SANDEEP SHARERA
89	BS08BTCS115	SATBIR SINGH
90	BS08BTCS116	SATWANT SINGH
91	BS08BTCS117	SHABNAM THAKUR
92	BS08BTCS119	SHEETAL SHARMA
93	BS08BTCS120	SHWETA KUMARI
94	BS08BTCS121	SHUBNEET SURI
95	BS08BTCS122	SWAPAN SOOD

96	BS08BTCS123	SWATI SHARMA
97	BS08BTCS124	SWETA
98	BS08BTCS125	TANVI SAHNI
99	BS08BTCS126	TANVIR SINGH JUNEJA
100	BS08BTCS127	VARUN PAL
101	BS08BTCS128	VIKRANT SHARMA
102	BS08BTCS130	YASHWANT


  
(Dr. I.S. Hudiara)  
Dean  
Akal College of Engineering & Technology

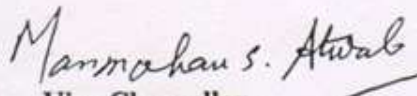
  
Vice Chancellor  
Eternal University

# AKAL SCHOOL OF ECONOMICS

## Bachelor of Science (Hons. School) in Economics

SR. NO.	EU REGN. NO.	STUDENT'S NAME
1	BS09BHEC-009	MANINDERJIT KAUR
2	BS09BHEC-002	BEANT KAUR
3	BS09BHEC-003	DEVINDER KAUR
4	BS09BHEC-004	HANSPREET KAUR
5	BS09BHEC-006	KANWALJEET KAUR
6	BS09BHEC-007	KIRANJOT KAUR
7	BS09BHEC-008	MAMTA
8	BS09BHEC-010	MANPREET KAUR
9	BS09BHEC-011	MANPREET KAUR
10	BS09BHEC-012	NIRMAL KAUR

  
(Dr. J.L. Sharma)  
Dean  
Akak School of Economics

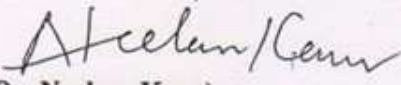
  
Vice Chancellor  
Eternal University

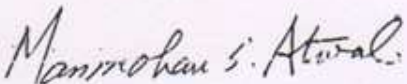
# AKAL COLLEGE OF NURSING

## Bachelor of Science in Nursing

S.NO.	REG.NO.	NAME OF STUDENT
1	BS08BHNS018	Amanpreet Kaur
2	BS08BHNS001	Gurjeevan Kaur
3	BS08BHNS002	Archana Kumari
4	BS08BHNS003	Kuljinder Kaur Bal
5	BS08BHNS004	Shweta Joshi
6	BS08BHNS005	Suman Kumari
7	BS08BHNS006	Nisha Devi
8	BS08BHNS007	Kanchan Thakur
9	BS08BHNS008	Ajay Laxmi
10	BS08BHNS009	Minakshi
11	BS08BHNS010	Şangeeta Sharma
12	BS08BHNS011	Pratibha Khagta
13	BS08BHNS012	Ambalika
14	BS08BHNS014	Priyanka Dhiman
15	BS08BHNS015	Nisha Kumari
16	BS08BHNS016	Ravinder Kaur
17	BS08BHNS017	Harjinder Kaur
18	BS08BHNS019	Gurjyot Kaur
19	BS08BHNS022	Anu Devi

20	BS08BHNS023	Anamika Sharma
21	BS08BHNS025	Simranpreet Kaur
22	BS08BHNS026	Vineeta Devi
23	BS08BHNS027	Hem Lata
24	BS08BHNS029	Pushplata Manta
25	BS08BHNS030	Nupur Chauhan
26	BS08BHNS031	Ankita Sharma
27	BS08BHNS032	Nainakshi Kashyap
28	BS08BHNS033	Ramneet Kaur
29	BS08BHNS034	Rashmi Sheikh

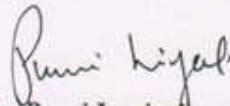
  
(Dr. Neelam Kaur)  
Dean Faculty of Health Sciences  
Akal College of Nursing

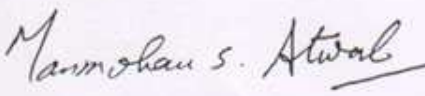
  
Vice Chancellor  
Eternal University

**AKAL COLLEGE OF DIVINE MUSIC AND  
SPIRITUALISM**

**Bachelor of Arts (Hons) ~~School~~ in Music**

SR. NO.	REGN. NO.	NAME OF STUDENT
1	BS09BAMU002	BALVINDER KAUR
2	BS09BAMU003	GURJEET KAUR
3	BS09BAMU004	GURPREET KAUR
4	BS09BAMU006	KANTA KAUR
5	BS09BAMU010	RAJWINDER KAUR
6	BS09BAMU011	RANJIT KAUR
7	BS09BAMU012	SIMRANPREET KAUR

  
(Dr. Purvi Luniyal)  
Dean  
Akai College of Divine Music & Spiritualism

  
Vice Chancellor  
Eternal University

# Akal College of Arts & Sciences

Sr. No	EU REGN NO	STUDENT'S NAME
1	BS09BASA018	KAWALJEET KAUR
2	BS09BASA001	AMANDEEP KAUR
3	BS09BASA002	AMANDEEP KAUR
4	BS09BASA003	AMANPREET KAUR
5	BS09BASA005	BEANT KAUR
6	BS09BASA006	BINDER KAUR
7	BS09BASA007	DILJOT KAUR
8	BS09BASA008	GURPREET KAUR
9	BS09BASA009	GURVINDER KAUR
10	BS09BASA011	HARBANS KAUR
11	BS09BASA013	HARMANDEEP KAUR
12	BS09BASA014	HARPREET KAUR
13	BS09BASA015	INDERJEET KAUR
14	BS09BASA016	JASBIR KAUR
15	BS09BASA017	KARAMJEET KAUR
16	BS09BASA019	KIRANDEEP KAUR
17	BS09BASA020	KULDEEP KAUR
18	BS09BASA022	KULVEER KAUR
19	BS09BASA023	MANDEEP KAUR
20	BS09BASA024	MANINDER KAUR

21	BS09BASA025	MANJIT KAUR
22	BS09BASA028	PARAMJIT KAUR
23	BS09BASA029	PRIYANKA KAUR
24	BS09BASA030	RAGHVIR KAUR
25	BS09BASA031	RAJVEER KAUR
26	BS09BASA032	RAMANDEEP KAUR
27	BS09BASA033	SALOCHNA DEVI
28	BS09BASA034	SANDEEP KAUR
29	BS09BASA035	SARABJEET KAUR
30	BS09BASA036	SUKHPAL KAUR
31	BS09BASA037	SUKHWINDER KAUR
32	BS09BASA038	SUKHWINDER KAUR
33	BS09BASA039	SURJEET KAUR
34	BS09BASA040	TALJINDER KAUR

*H.S. Dhaliwal*  
(Dr. H.S. Dhaliwal)  
Dean of Academic Affairs

*Mamohan S. Atwal*  
(Vice Chancellor)  
Eternal University

## **21. EXTRA CURRICULAR ACTIVITIES**

“The person who reads too much and uses his brain too little will fall in lazy habit of thinking”.

**-Alber Einstein**

# **ANDROID WORKSHOP**

A two days' workshop on Android was held from 8 Dec, 2012 to 9 Dec, 2012 by i-3indya Technologies, New Delhi.

Fifty one students of 5<sup>th</sup> & 3<sup>rd</sup> semester of Computer Science & Engineering branch attended the workshop.

All participants were given certificates by i-3indya Technologies, New Delhi.

On the occasion a certificate of Association was given to Dr. Manmohan S. Atwal, Vice Chancellor, by Mr. Jaspreet Singh, Director, i3indya Technologies, New Delhi.

In the end Dr. Manmohan S. Atwal, Vice Chancellor, Eternal University, thanked Mr. Jaspreet Singh and his team from i-3indya Technologies, New Delhi for their dedicated efforts to equip our students with latest knowledge about Android.

Ms. Harsharnjeet kaur, Ms. Shubhpreet Kaur, Ms. Harleen Kaur Ahuja, Ms. Aanam Syed, Ms Bhawna Malhotra, were student coordinator and Mr. Y.M. Kaushik & Mr. M.P. Singh were faculty coordinator.

## **COMMEMORATION THE 150<sup>th</sup> BIRTH ANNIVERSARY OF LATE SHRI MOTILAL NEHRU JI**

To commemorate the 150<sup>th</sup> Birth anniversary of Late shri Moti Lal Nehru ji Special lectures were organised as under:

- a) Contribution of Late Shri Moti Lal Nehru ji in India's Independence struggle
- b) Contribution of Late Shri Moti Lal Nehru ji towards women Empowerment
- c) Contribution of Late Shri Moti Lal Nehru ji towards upliftment of society
- d) Contribution of Late Shri Moti Lal Nehru ji in social reforms.

The lectures were held in Bhai Gurdas ji hall on 21 Oct 2012 from 9.30 am onwards 8 students and 2 faculty members of Eternal University delivered the lecture on the above topics.

All who delivered the lecture were given certificates.

# **RENEWABLE ENERGY CLUB**

The first meeting of Energy Club for the session 2012-2013 was held On 18<sup>th</sup> Sep, 2012.

In the meeting all new students of 2012 batch joined as member and new office bearers from the students were elected (Ms. Binny as Secretary, Ms. Aruna as Joint Secretary and Ms. Anupama as the treasurer).

Mr. M.P. Singh, Coordinator of Renewable Energy club enlightened the students with the motives of the club and “Divine Vision 2020” Baru Sahib as Solar Village.

The members also discussed the issues of Global warming, Solar Energy and latest Technologies in these fields.

It was decided to concentrate on the following activities in the club:

1. Awareness programs about Renewable Energy Utilisation.
2. Using Different technologies for harnessing Renewable Energy.
3. Innovate projects for developing energy efficient Solar Products.
4. Organizing competitions like quiz competitions related to Renewable Energy.
5. Participation and Paper presentation of club members in national level competitions through SESI membership.

## **RANGOLI COMPETITION**

A rangoli competition for all the girl students of Eternal University was organised on 23 Dec, 2012 in Eternal University. Ten teams from different colleges/schools of Eternal University participated in the competition. The rangoli were to be judged for Layout, Colour Combination, Theme and overall presentation. Three judges judged separately and awarded marks to each rangoli. Finally Team ‘E’ consisting of Ms. Jasleen Kaur & Ms. Mandeep kaur of Akal School of Economics won the competition. Team ‘I’ (Ms. Sumandeep Kaur & Ms. Amandeep Kaur) of Akal College of Arts & Science was judged second and Team ‘F’ (Ms. Anchal & Ms. Diksha) & Team ‘H’ (Ms. Momina Parveen & Ms. Anupama Thakur) Were the jointly judged as third in the competition. Ms. Rupinder kaur, Ms. Gagandeep Kaur & Ms. Pooja Dhiman of Akal College of Engineering & Technology were the student organizers of the event.

## **QUIZ COMPETITION**

A quiz competition was held on 23 Dec, 2012 in Bhai Gurdas Hall, Eternal University, Baru Sahib. Six teams from various colleges/schools of Eternal University participated with great zeal and enthusiasm, there were two rounds of questions for each team on topics from general knowledge to space. Team 'C' consisting of Ms. Amandeep kaur and Ms. Jasleen kaur of ACET won the competition Team 'A' (Ms. Momina Parveen & Ms. Anupama Thakur) and Team 'F' (Ms. Ekjyot Kaur & Ms. Navneet Kaur) were the joint runners up. Ms. Lavneet Kaur (Quiz Master), Ms. Simranjeet Kaur (Time Keeper), Ms. Balwant Kaur & Ms. Pujan Preet Kaur (Question Master) and Ms. Anshi Sharma (Scorer) of Akal College of Engineering & Technology were student organizers of the event.

## **TEACHERS DAY**

The Teachers day was celebrated by teachers and students of Eternal University on 5<sup>th</sup> Sep 2012 with great enthusiasm in Bhai Gurdas Hall.

On the occasion the students delivered speeches on Dr. S. Radhakrishnan, a great teacher, scholar and philosopher and Teachers Day's importance and impact of teachers in their life.

Dr. Manmohan S. Atwal, Vice Chancellor was the Chief Guest and in his address he appealed all the teachers to dedicate them to the noble profession of teaching and follow the path of our great teachers like Dr. Radhakrishnan and Dr. Rabindra Nath Tagore.

Ms. Komal of 3<sup>rd</sup> year, CSE Branch managed the stage.

Performance of students was praised by all.

## **SEMINAR ON OPEN SOURCE TECHNOLOGY**

In continuation of our drive, to improve our students with the latest updates and new technologies a four hour seminar on OPEN SOURCE TECHNOLOGY was held in Auditorium of Eternal University on 16<sup>th</sup> Sep 2012 for 5<sup>th</sup> Semester students.

The seminar was conducted by M/S CBITSS, Chnadigarh.

In this, use, benefits and availability of open source technology was explained and in detail discussion was held on Linux.

Around 100 students attended the seminar with interest and enthusiasm, all were eager to learn more about open source technology.

In the end question answer session was held, all the queries were replied satisfactorily by the team CBITSS.

## **SPORTS & GAMES ACTIVITIES**

Badminton competition was held on 10.Oct.2012 in which 8 girls cleared the initial round and finally Ms. Subhpreet Kaur was declared the winner.

Table Tennis Competition was held on 12.Oct.2012 which was won by Ms. Harpreet Kaur of B.Tech. 3<sup>rd</sup> Year.

## **EXTEMPORE LECTURE COMPETITION**

An extempore lecture competition was held on 10.Feb.2013 in Bhai Gurdas Hall, Eternal University, Baru Sahib.

Twenty students from various collages/schools of Eternal University participated in competition with great enthusiasm.

Ms. Avinash Kaur of Akal College of Engineering & Technology won the competition.

Ms. Harmeen Kaur of B.Tech. organised the event successfully.

# **DEBATE COMPETITION**

A debate competition was held on Feb 24, 2013 in Bhai Gurdas Hall, Eternal University, Baru Sahib.

Eight teams from different Collages/Schools of Eternal University participated with great enthusiasm.

The topic of debate was “Are Women Capable enough to take the responsibility of local development and related handling of fund”.

Team “C” consisting of Ms. Veronika Kour and Ms. Amandeep Kaur of first year B.Tech. won the competition.

Ms. Jasdeep Kaur an dmS,. Karanpreet Kaur organised the event.

## **22. HOSTEL FACILITIES**

“Hating people is like burning down your own house to get rid of a rat”.

- **Hnery Enerson Fodice**

# **HOSTEL FACILITY**

1. No. of Hostel -2
2. Total Capacity – 700
3. Present- 645

# **FACILITY AVAILABLE**

2. T.V
3. Internet Connection
3. Hot water supply in winters
4. Indore sports
5. Gym
6. Ragging free environment

## **23. CONFERENCE HELD**

- 1. International Conference on Re-newable Energy**  
**- 5<sup>th</sup> & 6<sup>th</sup> May 2012**
- 2. 2<sup>nd</sup> International Conference on Global Nursing**  
**1<sup>st</sup> & 2<sup>nd</sup> December 2012**

“Great Mind discuss ideas  
Normal Mind discuss events  
Low mind discuss people”.

# INTERNATIONAL CONFERENCE ON RE-NEWABLE ENERGY



**SCHEDULE MAY 5<sup>th</sup> - 6<sup>th</sup>, 2012**



**SPONSORED BY: THE KALGIDHAR TRUST, BARU SAHIB (H.P.)**

## SCHEDULE FOR 5<sup>TH</sup> MAY 2012 (INVITED TALKS)

### INAUGURAL SESSION

TIME	EVENT / SPEAKER
08:00-09:00	REGISTRATION OF DELEGATES
09:30-09:35	LIGHTING OF LAMP OF KNOWLEDGE BY HIS HOLINESS BABA IQBAL SINGH JI CHANCELLOR, ETERNAL UNIVERSITY
09:35-09:45	SHABAD KIRTAN
09:45-10:00	WELCOME BY DR. DAVINDER SINGH, M.D. REGISTRAR, ETERNAL UNIVERSITY SECRETARY, THE KALGIDHAR TRUST
10:00-10:15	MR. RAKESH PATHANIA MLA NURPUR, HIMACHAL PRADESH MEMBER GOVERNING BODY, ETERNAL UNIVERSITY
10:15-10:30	DR. N. EL BASSAM DIRECTOR AND PRESIDENT, INTERNATIONAL RESEARCH CENTRE FOR RENEWABLE ENERGY SIEVERSCHAUSEN, GERMANY.
10:30-10:45	ADDRESS BY HIS HOLINESS BABA IQBAL SINGH JI CHANCELLOR, ETERNAL UNIVERSITY PRESIDENT, THE KALGIDHAR TRUST

## TECHNICAL SESSION- I

TIME	NAME OF INVITED SPEAKER	TITLE OF PAPER
10:45-11:15	MR. M. P. SINGH ADVISOR RENEWABLE ENERGY THE KALGIDHAR TRUST, BARU SAHIB	RENEWABLE ENERGY INITIATIVES AT THE KALGIDHAR TRUST AND ETERNAL UNIVERSITY
11:00-11:15	DR. HARSH MITTER IFS Ph.D.(PU) CHIEF-EXECUTIVE OFFICER HIMACHAL PRADESH ENERGY DEVELOPMENT AGENCY SHIMLA, HIMACHAL PRADESH.	RENEWABLE ENERGY
11:15-11:45	ER. ANIRUDH ROUT, IAS CHIEF EXECUTIVE OFFICER ODISHA RENEWABLE ENERGY DEVELOPMENT AGENCY BHUBANESWAR	RENEWABLE ENERGY POTENTIAL AND OPPORTUNITIES IN ODISHA
11:45-12:15	DR. N. EL BASSAM DIRECTOR AND PRESIDENT, INTERNATIONAL RESEARCH CENTRE FOR RENEWABLE ENERGY HEADQUARTERS, KIRCHWEG LEHRTE- SIEVERSCHAUSEN, GERMANY.	THE TIME OF CHEAP OIL IS OVER: THE ULTIMATE RESTRUCTURING THE FUTURE ENERGY GENERATION AND SUPPLY THROUGH SUCCESSIVE INCORPORATING RENEWABLE ENERGY SOURCES INTO ENERGY MIX
12:15-12:45	DR. ANIL KUMAR JAIN Ph. D. (PU) DIRECTOR SSS NATIONAL INSTITUTE OF RENEWABLE ENERGY KAPURTHALA PUNJAB.	ENERGY STUDIES
12:45-01:45	<b>LUNCH BREAK</b> 	
01:45-02:00	ER. B.M.SUD DIRECTOR HIMACHAL PRADESH ENERGY DEVELOPMENT AGENCY SHIMLA, HIMACHAL PRADESH.	RENEWABLE ENERGY
02:00-02:15	ER. BALOUR SINGH DIRECTOR PUNJAB ENERGY DEVELOPMENT AGENCY CHANDIGARH.	RENEWABLE ENERGY
02:15-02:45	DR. AVIGDOR (AV) ABELSON Ph.D. (TEL AVIV) PROF. OF MARINE ECOLOGY DEPT. OF ZOOLOGY TEL AVIV UNIVERSITY RAMAT AVIV ISRAEL.	BIO-FUEL AS A FUTURE SOURCE OF RENEWABLE ENERGY: ADVANTAGES, DRAWBACKS AND POTENTIAL DIRECTIONS
02:45-03:15	DR.P. C. MULLICK Ph.D (IIT) MADRAS PROFESSOR DEPARTMENT OF MECHANICAL ENGINEERING, IIT DELHI.	RENEWABLE ENERGY SOURCES
03:15-03:30	<b>TEA BREAK</b> 	

## TECHNICAL SESSION- II

TIME	NAME OF INVITED SPEAKER	TITLE OF PAPER
03:30-04:00	MR. JAGAT S JAWA DIRECTOR GENERAL SOLAR ENERGY SOCIETY OF INDIA (SESI) DELHI.	RENEWABLE ENERGY AT SESI
04:00-04:30	MR. AJAY PRAKASH SHRIVASTAVA PRESIDENT OF SOLAR ENERGY SOCIETY OF INDIA AND PRESIDENT OF MAHARISHI SOLAR TECHNOLOGY PRIVATE LIMITED DELHI.	RENEWABLE ENERGY
04:30-05:00	Mr. D.P. JOSHI IAS DIRECTOR GUJARAT ENERGY DEVELOPMENT AGENCY GANDHINAGAR GUJRAT	RENEWABLE ENERGY SOURCES IN GUJRAT
05:00-05:30	DR. MANJIT SINGH GREWAL Ph.D. (CRANFORD INSTITUTE OF TECHNOLOGY, UK) PRINCIPAL BABA BANDA SINGH BAHADUR ENGINEERING COLLEGE FATEHGARH SAHIB, PUNJAB.	LIMITATIONS OF RE-NEWABLE ENERGY AND ALTERNATIVES

05:30-05:45

TEA BREAK



## TECHNICAL SESSION-III

05:45-06:00	MR. YAGYESH SUNDAR DWIVEDI DIRECTOR RURAL CONNECTIVITY WING DEPARTMENT OF RURAL DEVELOPMENT GOVERNMENT OF INDIA, DELHI.	BOX-TYPE SOLAR COOKER
06:00-06:15	MR. JOACHIM GOLO PILZ PROJECT MANAGER & SENIOR ADVISOR BRAHMA KUMARIS & WORLD RENEWAL SPIRITUAL TRUST SOLAR DEPARTMENT SHANTIVAN CAMPUSABU ROAD, RAJASTHAN.	TRANSFORMATION TOWARDS A SUSTAINABLE FUTURE THE ROLE OF AWARENESS AND RENEWABLE ENERGIES FOR A BETTER WORLD
06:15-06:45	DR. S. S. CHANDEL Ph.D. (HPU) PROFESSOR CENTRE FOR ENERGY & ENVIRONMENT NATIONAL INSTITUTE OF TECHNOLOGY HAMIRPUR, HIMACHAL PRADESH.	POLICY ISSUES FOR SOLAR POWER GENERATION IN COLD REGIONS
06:45-07:15	MR. DHARAMENDRA GOR CHAIRMAN & MANAGING DIRECTOR TAYLORMADE SOLAR SOLUTIONS P. LTD. AHAMDABAD, GUJRAT.	SOLAR THERMAL TECHNOLOGIES AND APPLICATIONS BY PARABOLIC CONCENTRATORS
07:15-07:45	SPIRITUAL INTERACTION OF HIS HOLINESS BABA IQBAL SINGH JI WITH CONFERENCE DELEGATES	


07:45-08:30

CULTURAL PROGRAM

08:30 ONWARDS DINNER TIME

## SCHEDULE FOR 6<sup>TH</sup> MAY 2012 (INVITED TALKS)

### TECHNICAL SESSION- IV

TIME	NAME OF INVITED SPEAKER	TITLE OF PAPER
09:30-10:00	DR. KELVIN B. GREGORY Ph.D. (IOWA) ASSOCIATE. PROF. CIVIL & ENVIRONMENTAL ENGINEERING CARNEGIE MELLON UNIVERSITY PITTSBURGH, PA, USA.	BACTERIAL IN RESPIRATION IN ELECTROCHEMICAL CELLS FOR RENEWABLE ENERGY AND MICRON-SCALE SENSING ENVIRONMENTAL TOXICITY OF ENGINEERED NANOMATERIALS AND ITS DISRUPTION BY NATURAL AND ENGINEERED COATINGS WATER MANAGEMENT CHALLENGES DURING OIL AND NATURAL GAS PRODUCTION FROM DEEP SHALE FORMATIONS
10:00- 10:30	PROF. DAMAN B. SINGH SETHI ADDITIONAL DIRECTOR, DEPARTMENT OF MATERIALS DRDO BHAWAN, RAJAJI MARG, DELHI	NANO-TECHNOLOGY IN ENERGY
10:30- 11:00	DR. P.B.L. CHAURASIA Ph.D. (RAJASTHAN) PRINCIPAL VYAS ENGINEERING COLLEGE FOR GIRLS, JODHPUR.	SOLAR POWER GENERATION BASED ON FUEL CELL TECHNIQUE - UPCOMING NEW TECHNOLOGY
11:00- 11:15	<b>TEA BREAK</b> 	

### TECHNICAL SESSION-V

11:15- 11:30	MS. JENNIFER BERESFORD CEO-MD AQUA INFINITUM GMBH BAARERSTRASSE SWITZERLAND.	
11:30-11:45	MR. R. S. AHLUWALIA CEO & MD SYNERGY SOLAR (P) LTD CHANDIGARH.	RENEWABLE ENERGY
11:45- 12:00	DR. S. M. ALI Ph.D., D.Sc. (CALIFORNIA, USA) PROFESSOR DEPARTMENT OF ELECTRICAL ENGINEERING KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY, BHUBNESHWAR VICE PRESIDENT SOLAR ENERGY SOCIETY OF INDIA.	APPLICATION OF PHOTOVOLTAIC AND WAVE HYBRID SYSTEMS FOR REMOTE AREA ELECTRIFICATION
12:00-12:15	DR. N.S. THAKUR CENTRE FOR ENERGY AND ENVIRONMENT PROFESSOR NIT HAMIRPUR H.P	SOLAR ASSISTED VAPOR ABSORPTION REFRIGERATION SYSTEM USING LIBR-H2O

TIME	NAME OF INVITED SPEAKER	TITLE OF PAPER
12:15-12:45	DR. VIBHA TRIPATHI Ph.D. (IIT) KANPUR SCIENTIST, SAURYA ENERTECH, DELHI.	THIN FILM SOLAR CELLS
12:45-01:15	DR. BHUPINDER SINGH PH.D (IIT) ROORKEE FORMER PROFESSOR IIT ROORKE.	RENEWABLE ENERGY SOURCES
01:15-02:15	<b>LUNCH BREAK</b> 	
<b>TECHNICAL SESSION-VI</b>		
02:15-02:45	MS. SIDDHA MAHAJAN RESEARCH ASSOCIATE THE ENERGY AND RESOURCES INSTITUTE ASSISTANT PROGRAMME MANAGER RENEWABLE ENERGY AND ENERGY EFFICIENCY PARTNERSHIP (REEEP) SOUTH ASIA SECRETARIAT ASIAN ENERGY INSTITUTE, DELHI.	RE BASED LIVELIHOOD ACTIVITIES IN HIMACHAL PRADESH.
02:45-03:15	DR. RENU SINGH Ph.D. (IIT) DELHI SCIENTIST DIVISION OF ENVIRONMENTAL SCIENCES, INDIAN AGRICULTURE RESEARCH INSTITUTE, PUSA, DELHI.	BIOETHANOL PRODUCTION FROM AGRICULTURAL RESIDUES
03:15-03:45	DR. K.C.MOHITE Ph.D. (PUNE) DEAN, FACULTY OF SCIENCES UNIVERSITY OF PUNE.	ADVANCES IN RENEWABLE ENERGY TECHNOLOGY
03:45-03:55	<b>TEA BREAK</b> 	
<b>TECHNICAL SESSION-VII</b>		
03:55-04:25	MR. R. D. NAZEEM, IAS DIRECTOR ENERGY DEPARTMENT GOVERNMENT OF HIMACHAL PRADESH SHIMLA (H.P.). REPRESENTED BY: Er. SUBHASH GUPTA, CHIEF ENGINEER, ENERGY DEPARTMENT HIMACHAL PRADESH.	BRIQUETTE AS RENEWABLE ENERGY SOURCE A VIABILITY STUDY FOR TEA FACTORIES BRIQUETTE AS RENEWABLE ENERGY SOURCE A VIABILITY STUDY FOR TEA FACTORIES
04:25-04:55	DR. SHAILENDRA KUMAR SHUKLA Ph.D. (IIT) DELHI ASSOCIATE PROFESSOR, DEPARTMENT OF MECHANICAL ENGINEERING INSTITUTE OF TECHNOLOGY BANARAS HINDU UNIVERSITY (B.H.U) VARANASI.	WATER DISTILLATION USING SOLAR ENERGY SYSTEM WITH PCM STORAGE MEDIUM

TIME	NAME OF INVITED SPEAKER	TITLE OF PAPER
4:55-5:25	DR. HARPREET SINGH Ph.D. (IIT) ROORKEE PROF. COMPUTER SCIENCE WAYNE STATE UNIVERSITY, USA	RENEWABLE ENERGY
5:25-5:55	DR. BEER PAL SINGH Ph.D.(MEERUT) ASSISTANT PROFESSOR DEPARTMENT OF PHYSICS CH. CHARAN SINGH UNIVERSITY MEERUT.	SYNTHESIS AND CHARACTERIZATION OF VACUUM EVAPORATED SULPHIDE SEMICONDUCTOR THIN FILMS FOR SOLID-STATE DEVICE FABRICATIONS FOR SOLAR CELLS
5:55-6:15	DR. S. K. TYAGI Ph. D. (IIT) DELHI DY. DIRECTOR BIOMASS MANAGEMENT DIVISION SSS-NATIONAL INSTITUTE OF RENEWABLE ENERGY, KAPURTHALA PUNJAB. REPRESENTED BY: MR. A.K. PANDEY SENIOR RESEARCH FELLOW (MNRE) SCHOOL OF INFRASTRUCTURE TECHNOLOGY AND RESOURCE MANAGEMENT, SHRI MATA VAISHNO DEVI UNIVERSITY, KAKRYAL, KATRA, JAMMU.	EXERGY ANALYSIS OF RENEWABLE ENERGY SYSTEMS: AN OVERVIEW
06:15-06:30	<b>TEA BREAK</b> 	
6:30-6:45	MR. AMIT KUMAR AND MR. M.P.SHARMA ALTERNATE HYDRO ENERGY CENTRE, INDIAN INSTITUTE OF TECHNOLOGY ROORKEE, UTTARAKHAND	CORRELATION DEVELOPMENT FOR EFFECT OF WATER QUALITY ON GREEN HOUSE GAS EMISSIONS FROM HYDROPOWER RESERVOIR
6:45-7:00	MR. S.K. SONI DEPARTMENT OF METALLURGICAL ENGINEERING AND MATERIALS SCIENCE INDIAN INSTITUTE OF TECHNOLOGY BOMBAY, MAHARASHTRA	CORRELATION BETWEEN CRYSTAL ORIENTATIONS, OXIDATION AND OPTO-ELECTRONIC PROPERTIES OF MC-SI:H LAYERS DEPOSITED USING HWCVD
7:00-7:15	MR. ANIL KUMAR ALTERNATE HYDRO ENERGY CENTRE, INDIAN INSTITUTE OF TECHNOLOGY ROORKEE, UTTARAKHAND	ANALYSIS OF HEAT TRANSFER AND FLUID FLOW IN V-SHAPED WITH GAP DOWNSTREAM RIBS ROUGHENED SURFACE SOLAR AIR HEATER DUCT
7:15-7:30	MR. RAJKUMAR VIRAL ALTERNATE HYDRO ENERGY CENTRE, INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE, UTTARAKHAND	WIND TURBINES ELECTRICAL CONVERSION SYSTEMS: A COMPREHENSIVE STUDY
7:30-7:45	MR. RAJESH KUMAR ASSISTANT DIRECTOR (E&D) SHOOLINI UNIVERSITY, SOLAN	STUDY OF SOLAR RADIATION MODELS TO ESTIMATE SOLAR RADIATION USING DIFFERENT METEOROLOGICAL DATA: A REVIEW
07:45-08:00	MR. TARANG AGARWAL ALTERNATE HYDRO ENERGY CENTER INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE, UTTARAKHAND	NUMERICAL ANALYSIS OF SILT EROSION IN PUMP AS TURBINE (PAT)
08:00-08:30	<b>VALEDICTORY SESSION</b>	
8:30pm Onwards	<b>DINNER TIME</b> 	

2nd International Conference  
*on*  
**Global Nursing**



**Theme: A step ahead towards Global Health**

*Organized by*

**Akal College of Nursing, Eternal University  
Baru Sahib, Himachal Pradesh - 173101 (INDIA)**

## SCIENTIFIC SESSION

Sr. No.	Topic	Resource Person
1	Futuristic Nursing	Dr. Reddemma, NIMHANS, Bangalore
2	Evidence based Nursing practice	Dr. Brian, Drexel University, USA
3	Culturally competent care	Dr. Sushma PGIMER, Chandigarh
4	Nursing students competence & decision making training	Dr. Marylou McHugh Drexel University, USA
5	Inter-disciplinary approach towards Global Health	Ms. Molly Sam, Editor, Nurses of India
6	Emerging & upcoming leadership trends in Nursing education & clinical nursing practice	Mrs. Sunita Verma, Registrar HPNRC, Shimla
7	Home care Nursing	Mrs. Rajeshwari Siva College of Nursing CMC, Vellore
8	The education explosion	Mrs. Sujana Chakarvati Jamia Hamdard University, New Delhi
9	Innovation and reforms in nursing	Dr. Jill, Drexel University, USA
10	Issues, challenges, dilemmas & scope of nursing education and research	Mrs. Radha Saini, Rayat Bahra College of Nursing Kharar
11	Challenges in nursing practice (panel discussion)	Chairperson: Dr. Sandya Ghai  Panel Members: Dr. Jasbir Kaur Dr. Triza Jiwan Capt. Sandhya Shankar Dr. Sukpal

## **24. HOW TO REACH US**

“The world steps aside, makes a path for the man who knows where he is going”.

**-David Starr Jordan**

# HOW TO REACH US



## Contact us

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