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## **About the College**

Amritsar is one of the oldest and traditionally strong cities of the north as also of Punjab. It is known world over as 'city of Golden Temple'. The city also has strong tradition of professional education especially Medical education, as Govt. Medical College and Hospital (GMCH) and Govt. Dental College and Hospital since independence. The city also hosts the Guru Nanak Dev University, established in 1969.

Amritsar College of Engineering and Technology (ACET) was established in this holy city in 2002. The promoters of this college are Amritsar International Education Society Regd. The Chairman & CEO of the college Sh. Amit Sharma is an eminent Senior Advocate turned Educationist. It is his far sighted vision and effort which led to establishment of this college, the first self financed Engineering College in Amritsar.

ACET granted with Autonomous status by UGC New Delhi act 1956 in the year June 2014, as it become first self financed Autonomous Engineering College In Punjab.

The college has the distinction of being accredited by NBA (National Board of Accreditation) and NAAC (National Assessment and Accreditation Council) in the year 2009 and 2012 respectively.

The college has achieved great success in all spheres of its activity; the students attend all the theory and practical classes. Teachers make extensive use of ICT to prepare well and deliver to the satisfaction of the students. Along with teaching, students are actively participating in all sports and co-curricular activities.

### **Vision**

To produce Engineers with highest caliber by imparting technical education through innovative and analytical approach with an objective to create valuable resources for industry and society.

## **Mission**

To produce latest infrastructure conducive to innovative learning

To Establish Centre's of Excellence to enhance academia industry partnership

Focus on specialized practical oriented teaching to develop analytical ability among students

To empower students with the required skills to encourage Entrepreneurship and enhance employability

## **Core Values**

Discipline

Passion

Work for identity

Speed of work

Responsibility & Accountability

## **Preface**

Amritsar College of Engineering & Technology, Manawala, Amritsar (Punjab) started functioning on 2<sup>nd</sup> July , 2002 as a result of visionary thought and spirit to provide Amritsar, the holy city, with an institution that can provide excellent technical and managerial education. This college was opened under the aegis of Amritsar International Foundation Trust. The Managing Committee is headed by senior Advocate Sh. Amit Sharma, Chairman & CEO of Amritsar College of Engineering & Technology, Amritsar.

The Annual Report for the year 2014- 2015 is being presented to the Managing Committee , the stakeholders, Faculty, Students and parents to share with them whatever we have achieved and what we aspire to achieve in the future. We are also open to the review and views of the regards of the current annual report . Apart from the strong Vision, Mission and Core Values of the college, during this period many things have been implemented:

- Strict vigilance for 100% attendance.
- Maintenance of perfect discipline in the campus.
- Counseling and guidance through Parent Teacher Meet once in the semester.
- Raging free atmosphere with zero tolerance and no complaints in this regard.
- Surprise checks of hostels and mess and student canteen.
- All Corridors and important places are displayed with words of wisdom for encouragement, inspiration and learning.
- Formation of various committees to monitor various activities in the college.
- Apart from the PTU Academics calendar, the college prepares its own academic calendar for all academic activities be performed throughout the academic sessions.
- Tremendous improvement over the past results (Departments wise information included)
- Eminent personalities/ scholars / teachers visited the college for an interaction through the respective departments and the efforts will continue in coming years as well.
- Faculty Development Programmes are organized time to time with the help of PTU and the other reputed institutions and organizations.
- Regularly conducting meeting of Board of Governors, Academic Council & Board of studies of various deptt.



### **Dr. Rajneesh Arora joins ACET Amritsar as Managing Director**



Dr. Arora through his rich expertise and extensive experience in Research and Innovation, Policy Transformation and Institution building has been instrumental in advancement of higher education (engineering and technical streams) in Punjab and turning the state into a technically qualified society. Shaping careers of more than 4, 00,000 students is certainly no ordinary achievement, however, he has been doing this with élan, year after year. As a visionary he is working towards cohesiveness amidst all Universities and institutes of Punjab to create a state brand value.

He graduated as an electrical engineer from Indian Institute of Technology (IIT), Delhi in 1979. Dr. Arora studied in DAV School Amritsar. He has a unique record of getting Gold Medal (1st in State) both in Matric (1973) and Higher Secondary (1974).

Early in his career, he formed Vikas Bharti, an NGO in Jharkhand wherein he used technology as change agent to address development issues of the tribal population. During his decade long stint amidst tribes, he implemented many projects of Department of Science & Technology, Ministry of Non-Renewable Energy Sources (MNES), Indian Council of Agricultural Research (ICAR) etc. In 1987, he was awarded a Dutch scholarship for advanced research and went to Technical University of Eindhoven, Netherlands. Post this he earned his PhD in Integrated Energy Systems from IIT Delhi again.

He started his teaching career in Dept. of Electronics at Guru Nanak Dev University (GNDU), Amritsar. Within a year he formed the Department of Placement which helped University to received Five Star Status from National Assessment & Accreditation Council (NAAC). As Director Placements, his efforts led to corporate of national and international reputed recruiting students from the University campus. As Dean Alumni Affairs, he tapped the alumni network spread across the globe for betterment of higher education. In his short yet affective spell as Principal, Amritsar College of Engineering & Technology in 2008, he managed accreditation for all B.Tech programs from National Board of Accreditation (NBA).

He had been Chairman & Member of various Committees constituted by University Grants Commission (UGC) & All India Council for Technical Education (AICTE). He was also on Board of Governors of IIT, Delhi. Presently, he is in board & governing bodies of NBA; Punjab State Council of Science & Technology (PSCST); National Institute of Technical Teachers Training & Research (NITTTR); Punjab School Education Board (PSEB); Punjab State Board of Technical Education & Industrial Training (PSBTEIT); Pushpa Gujral Science City (PGSC); Punjab Health System Corporation (PHSC); and Sardar Swarn Singh Institute of Renewable Energy (SSSNIRE).

Under his able leadership, PTU received the e-India 2010 Award for best ICT enabled University of the Year & for Best Open & Distance Learning Initiative. Dr. Arora has been conferred with Dayanand Munjal Award for Manager of the Year 2011 by Ludhiana Management Association (LMA) for his

notable achievements in industry academia collaboration. The Twenty PITs (Punjab Institute of Technology) that have come up in the state as centre of excellence are doing phenomenally well when it comes to innovation & entrepreneurship under his direct supervision. One of the major policy changes

that Dr. Arora brought about for the ease of students and streamlining the system was to scrap Common Entrance Test (CET) in 2009 and take all admissions based on AIEEE rank.

During his tenure PTU has not just attained national footprint through 2000 plus learning centers but also gone global. His initiatives have led to multiple MoUs (Memorandum of Understanding) for student and faculty programs. In the recent past, he has orchestrated ties up with University of California Santa Cruz(UCSC);San Jose State University (USA); Pennsylvania State University (USA); Royal University, Bhutan; Kathmandu University; Nepal; Indian Society for Technical Education (ISTE); Punjab Unaided Technical Institutions Association (PUTIA); Baba Farid University of Health Sciences, Faridkot; NITTTR; Rajiv Gandhi National University of Law, Patiala; and National Institute of Tourism, Bhopal. His 'Go Rural Go Global' slogan has led to PTU signing bipartite agreements with IT institutions in Nepal and Bangladesh for applied technology courses.

Dr. Arora has initiated tie-ups with CII and PHD Chambers of Commerce for industrial training of students as well. He believes that students should become job givers and not job seekers and to promote the spirit of entrepreneurship further he has affected tie-up with The Indus Entrepreneurs (TiE). Five college campuses affiliated to PTU across the state are coming up with entrepreneurship development centers. His global vision has led to initiation of foreign language courses at the Mohali campus. Coming up with local centers of research and excellence has been his forte. Textile Research Institute, Ludhiana and Food Research Institute at Barnala are evident examples of this.

For the very first time besides, all of this, he has been promoting Punjabi language and human values too, at all possible platforms, ardently. This includes holding convocations in Punjabi and developing translation software in association with Indian Institute of Information Technology (IIIT), Hyderabad and Punjabi University Patiala. Human values have been made a compulsory subject by him in all PTU programs and content has been developed in collaboration with IIIT, Hyderabad and IIT Delhi again. One of the other big initiatives of Dr. Arora has been Technology Education Quality Improvement Program (TEQIP) in collaboration with the World Bank wherein he has managed a grant of Rs 50 crore for 5 colleges affiliated to PTU.

His major endeavor has been to end the malpractices that plagued the system earlier. Some of the visible initiatives in this direction have been transformation of the examination system and digitization of study material (online books). Not to forget the financial health of the University which drives all the aforementioned developments – the corpus has increased more than four times (₹ 250 Cr to ₹ 1000 Cr) under his aegis. Recently Dr Arora honored with an award for outstanding contribution to Education by an international organization world Chancellor and Vice Chancellors Congress 2014.

Currently Dr. Rajneesh Arora is working as a Managing Director at Amritsar College of engineering and technology, Amritsar.

## DISCIPLINES & PROGRAMMES OFFERED

<b>Under Graduate Course</b>	<b>Duration</b>	<b>No. of Seats</b>
Department of Civil Engineering	4 Years	120
Department of Computer Science & Engineering	4 Years	180
Department of Electrical Engineering	4 Years	60
Department of Electronics & Communication	4 Years	180
Department of Information Technology	4 Years	60
Department of Mechanical Engineering	4 Years	180
<b>Post Graduate Course ( Regular):</b>	<b>Duration</b>	<b>No. of Seats</b>
Department of Management Studies	2 Years	60
Department of Computer Applications	3 Years	60
M.Tech (ECE)	2 Years	18
M.Tech (CSE)	2 Years	18
<b>Post Graduate Course ( Part Time):</b>	<b>Duration</b>	<b>No. of Seats</b>
M.Tech (ECE)	3 Years	25
M.Tech (CSE)	3 Years	25
<b>Ph.D Course Work</b>	<b>Duration</b>	<b>No. of Seats</b>
Ph.D Course Work	6 months	-
<b>Under Graduate Course</b>	<b>Duration</b>	<b>No. of Seats</b>
B.Sc (HMCT)	3 Years	90
B.Sc ( Agriculture )	3 Years	120
BCA	3 Years	60
BBA	3 Years	60
B.Com	3 Years	60

## Board of Governors/ Academic Council Meetings held

Glimpses of I<sup>st</sup> BOG meeting held on 16<sup>th</sup> Nov. 2014 and 2<sup>nd</sup> BOG meeting held on 14<sup>th</sup> March 2015



Group photo of outside experts from left to right Dr. Balkar Singh PTU Kapurthala, Dr. Dilbag Singh NIT Jalandhar, Dr. R. K. Garg NIT Jalandhar, Dr. V. K. Banga Principal ACET, Dr. Rajesh Kumar Thapar University Patiala, Dr. H. S. Gill ACET, Dr. B. B. Goyal Panjab University Chandigarh.





Glimpses of 1<sup>st</sup> Academic Council meeting held on 3<sup>rd</sup> Dec. 2014 and 2<sup>nd</sup> Academic Council meeting held on 9<sup>th</sup> March 2015



## DEPARTMENT OF APPLIED SCIENCES

### 1. About the Department

Competition is the very word that defines the professional arena in today's world. The key to outstand and outshine the competition lies in development of multi-tasking personality. The Department of Applied Sciences is the foundation of all the Engineering streams. It provides essential knowledge about Engineering Physics, Engineering Chemistry, Communicative English, Engineering Mathematics, Environmental Sciences, Human Values and Professional Ethics. The department has dedicated and experienced faculty which consists of Professors, Associate Professors and Assistant Professors who possess PhD, M.Phil and Master Degrees. Personality Development is another area of focus on students so that they can compete well in all spheres of life. This department is not only being developed and updated continuously along with engineering departments but is also a source of continuous attention of the authorities to provide updated knowledge with the latest techniques and infrastructure to our students.

**Applied Sciences Department consist of two Groups**

**i) Chemistry Group**

**ii) Physics Group**

### 2. HOD Brief Details

**i) Chemistry group**

<b>Name</b>	Dr. Jyoti Mehta
<b>Qualification</b>	M.Phil, PhD, PDF(IIT Delhi)
<b>Total Experience</b>	14
<b>Area of Specialization</b>	Inorganic Chemistry/Co-ordination Chemistry/Organometallic Chemistry

**ii) Physics group**

<b>Name</b>	Dr. Amit Sarin
<b>Qualification</b>	PhD
<b>Total Experience</b>	13
<b>Area of Specialization</b>	Energy Sciences/Material Sciences/ Environmental Studies

### 3. New joining (Faculty) in the Chemistry deptt

S.No.	Name of faculty	Qualification	Experience
1.	Dr.Bikramjit Singh	PhD, PDF (PGIMS)	14yr
2.	Shama Kundra	M.Sc(Math)	6yr
3.	Ritika sharma	M.Sc(CHM.),B.Ed	1yr
4	Harwinder kaur	M.Sc(CHM.)	1yr

**4. Student Strength Year wise with Gender and State Distribution.**

Year	Male	Female	From Punjab	From Himachal	From J& K	From Others States/Countries
1 <sup>st</sup> year	419	104	448	10	15	50

**5. Final Examinations Results**

**a. Pass %age subject-wise (May, 2014, Dec., 2014) in Physics group**

<b>B.Tech/Sem 2<sup>nd</sup> (Jan - May 2014)</b>	Subjects/Subject code	No of Students Appeared	Pass %age
	Engg Maths-II (BTAM-102)	336	74.10
	Engg Physics (BTPH-101)	336	78.27
	Basic Electrical & Electronics Engineering (BTEE-101)	336	75.29
	Communicative English (BTHU-101)	336	85.71
	Human Values & Professional Ethics (HVPE-101)	336	87.20
<b>B.Tech /Sem 1<sup>st</sup> (July- Dec 2014)</b>	Subjects/Subject code	No of Students Appeared	Pass %age
	Engg Maths-I (BTAM-101)	307	66.1
	Engg Physics (BTPH-101)	308	78
	Basic Electrical & Electronics Engineering (BTEE-101)	310	68.3
	Communicative English (BTHU-101)	310	94
	Human Values & Professional Ethics (HVPE-101)	307	96

**b. Pass %age subject-wise (May, 2014, Dec., 2014) in Chemistry group**

<b>Class/Sem 1<sup>st</sup> (CSE,IT,CIVIL) (Jan-May2014)</b>	Subjects/Subject code	No. of Students Appeared	Pass %age
	Engg.Mathematics BTAM-102	289	83
	Engg.Chemistry BTCH-101	289	89
	FCPIT (BTCS-101)	289	76
	E.M.E (BTME-101)	289	85
	E.D (BTME-102)	288	63
	EVSC (EVSC-101)	288	81
<b>Class/Sem. 1<sup>st</sup> (ME,ECE,EEE)</b>	Engg.Mathematics BTAM- 101	204	80
	Engg.Chemistry BTCH- 101	201	85
	FCPIT BTCS-101	198	89

<b>(Aug-Dec 2014)</b>	E.M.E BTME-101	202	79
	E.D BTME-102	199	97
	EVSC-101	203	91

**6. Merit positions/Marks in the final Examinations**

**i) Chemistry Group**

**May 2014**

<b>Class/Sem.</b>	<b>No. of Students having more than 75% marks</b>	<b>Name of Students having more than 80%</b>
<b>Chem.group 2<sup>nd</sup> Sem</b>	2	0

**December 2014**

<b>Class/Sem.</b>	<b>No. of Students having more than 75% marks</b>	<b>Name of Students having more than 80%</b>
<b>Chem.group Ist Sem</b>	14	03

**ii) Physics Group**

**May 2014**

<b>Class/Sem</b>	<b>No. of students having more than 75% marks</b>	<b>No. of students having more than 80% marks</b>
<b>B.Tech/ 2<sup>nd</sup> Sem</b>	18	8

**December 2014**

<b>Class/Sem</b>	<b>No. of students having more than 75% marks</b>	<b>No. of students having more than 80% marks</b>
<b>B.Tech/ 1<sup>st</sup> Sem</b>	29	13

**7. Engineering Chemistry Lab (BTCH-102)**

**List of Major Equipments**

<b>Sr. No</b>	<b>Name of Major Equipments</b>
1.	pH-meter
2.	Conductivity meter
3.	Colorimeter
4.	Electronic balance
5.	Analytical balance
6.	Water Bath
7.	Fire Extinguisher
8.	Heating Mantle
9.	Muffle Furnace
10.	Dessicator
11.	Abbe's flash Point



## 8. Students Activities and achievements

### a. Sports

The list of Students of Department of Applied Sciences (Physics Group) who won various medals in the events of Sports meet is as follows:

Sr. No	Name of Student	Event	Position Obtained
1	Ajan Oliya	200 Meters	2 <sup>nd</sup>
2	Ajan Oliya	400 Meter	2 <sup>nd</sup>
3	Ajan Oliya	Long Jump	3 <sup>rd</sup>
4	Gulsher	Long Jump	2 <sup>nd</sup>
5	Bhimlesh	100 Meters	3 <sup>rd</sup>
6	Mohit	800 Meters	3 <sup>rd</sup>
7	Mantej	Javelin Throw	3 <sup>rd</sup>

The list of Students of Department of Applied Sciences (Chemistry Group) who won various medals in the events of Sports meet is as follows

Sr. No	Name of Student	Event	Position Obtained
1	Mahipal Singh	200 Meters	5 <sup>th</sup>
2	Abhishek Verma	400 Meter	4 <sup>th</sup>
3	Binay Kumar jha	Long Jump	4 <sup>th</sup>
4	Rahul Jaswal	Long Jump	5 <sup>th</sup>
5	Saksham Malik	100 Meters	4 <sup>th</sup>
6	Abhishek Sharma	800 Meters	3 <sup>rd</sup>
7	Jaspreet Singh	Javelin Throw	2 <sup>nd</sup>
8	Akshay	Long Jump	5 <sup>th</sup>
9	Parav	Long Jump	5 <sup>th</sup>
10	Davinder Singh	Long Jump	6 <sup>th</sup>
11	Gursagar Singh	Long Jump	6 <sup>th</sup>
12	Ashish Kumar	Long Jump	7 <sup>th</sup>
13	Rajdeep Singh	200 Meters	4 <sup>th</sup>
14	Ramesh	200 Meters	4 <sup>th</sup>
15	Nikhil Vermani	200 Meters	5 <sup>th</sup>
16	Gursagar	200 Meters	5 <sup>th</sup>
17	Ajay Rawat	200 Meters	4 <sup>th</sup>
18	Anuj Kumar	200 Meters	4 <sup>th</sup>
19	Sunny Mishra	Javelin Throw	5 <sup>th</sup>
20	Shubhankar	Javelin Throw	4 <sup>th</sup>
21	Danardan	Javelin Throw	1 <sup>st</sup>
22	Ritika Sharma	Javelin Throw	7 <sup>th</sup>

## 9. Achievements of Faculty (Chemistry group)

- ❖ Dr. Jyoti Mehta Presented a poster in the Fourth “National Symposium on Advances in Chemical Sciences” which was held in GNDU, Amritsar (February 2014).
- ❖ Dr. Jyoti Mehta chaired session in “National conference on Advances in Material Sciences” (AMS) organized at ACET, Amritsar (March 2014).

- ❖ Dr. Jyoti Mehta attended one day Orientation Programme pertaining to DST Projects for Women Scientists, which was organized at PTU, Jalandhar (April 2014).
  - ❖ Mr. Gaurav Talwar delivered a lecture on the topic “Life of Ramanujan” at DAV International School (January 2014).
- 10. Faculty Development Programme:**
- ❖ Dr. Jyoti Mehta attended a 5 day FDP on Numerical Techniques in Engineering at ACET, Amritsar.
  - ❖ Ms. Varinder Kaur attended a 5 day FDP on Numerical Techniques in Engineering at ACET, Amritsar.
  - ❖ Mr. Rupinder Singh attended a 5 day FDP on Numerical Techniques in Engineering at ACET, Amritsar.
  - ❖ Mr. Gaurav Talwar attended a 5 day FDP on Numerical Techniques in Engineering at ACET, Amritsar.
  - ❖ Ms. Sheetu Sharma attended a 5 day FDP on Numerical Techniques in Engineering at ACET, Amritsar.
  - ❖ Mr. Rohit Sharma attended a 5 day FDP on Numerical Techniques in Engineering at ACET, Amritsar.
  - ❖ Ms. Neha Wadhwa attended a 5 day FDP on Numerical Techniques in Engineering at ACET, Amritsar.
  - ❖ Ms. Shama Kundra attended a 5 day FDP on Numerical Techniques in Engineering at ACET, Amritsar.
  - ❖ Ms. Ritika Sharma attended a 5 day FDP on Numerical Techniques in Engineering at ACET, Amritsar.
  - ❖ Ms. Harwinder Kaur attended a 5 day FDP on Numerical Techniques in Engineering at ACET, Amritsar.

## **11. Society of the Department**

### **Applied Sciences Society for Exploring Talent (ASSET)**

#### **i) Chemistry Group**

#### **Events conducted by the Society (Odd Semester-july2014-Nov2014)**

##### **a) Declamation Contest**

An event of Declamation Contest was organized for the students in which the students expressed their views on various topics. The students were judged on the basis of wholesome blend of confidence, communication skills and body language.

##### **b) Aptitude Test**

An Aptitude Test was organized on 30<sup>th</sup> Sep 2014 which was conducted in two phases. The first phase consisted of written test out of which the top five students were selected for the second phase which was an audio-visual quiz. The top-five positions were given cash prizes. Ten consolation prizes were also given.

## **Improving Communication Skills Society (ICS)**

The event conducted was “Self Introduction” under the aegis of Improving Communication Skills Society (ICS). All the students of the Department participated in the event. Prizes were given to the first and second position holders from each group of each class .

## **Trip conducted by the Department**

The department arranged an educational trip for its students to Pushpa Gujral Science City. The global structure of Science City amazed one and all. Along with that, the 3D show followed by Laser show were visual delight for the students. The students enjoyed visiting the Sports section of Science City which included different types of games like cricket, Hockey, football etc. It was a great opportunity for the students to visit such a place of scientific relevance.

## **Guest Lecture on Spectroscopy and Thermodynamics**

Guest lecture were organised for the students on topic entitled “**Spectroscopy and its Applications**” on 20 th October 2014 by Dr. Tarlok S. Lobana, Professor in Deptt. of Chemistry, GNDU, Amritsar and on the topic “**Law of Thermodynamics and Application**” on 27<sup>th</sup> Oct, 2014 by Dr. S.K. Mahla from Thapar University Patiala. They delivered an expert talk to provide information to the students on the related topic.

## **Physics Group**

### **Events Organized by Applied Sciences Society for Exploring Talent [ASSET]**

**(i) Caption Contest:-**Participants: 48, Bhavneet Kaur , Ritika Sharma and Pushkar Sharma secured 1<sup>st</sup>, 2<sup>nd</sup> & 3<sup>rd</sup> Positions respectively.

**(ii) Intelligence quotient Test (IQ TEST):-** Participants: 70, Bhavneet Kaur, Ritika Sharma and Pushkar Sharma secured 1<sup>st</sup>, 2<sup>nd</sup> & 3<sup>rd</sup> Positions respectively.

**(iii) Group Discussion:-** Participants: 10, Pushakar Sharma, Abhishek Sharma and Shubham Raghuvanshi secured 1<sup>st</sup>, 2<sup>nd</sup> & 3<sup>rd</sup> Positions respectively.

**(iv) Spelling Champion:-** Participants: 88, Ritika Sharma, Kunica Sahdev and Mayank Kumar secured 1<sup>st</sup>, 2<sup>nd</sup> & 3<sup>rd</sup> Positions respectively.

**(v) Who Am I: -** Participants: 26, Jasmeet Singh, Jaspreet Singh and Navneet Singh secured 1<sup>st</sup>, 2<sup>nd</sup> & 3<sup>rd</sup> Positions respectively.

**(vi) Extempore: -** Participants: 10, Pranav Kumar and Sahil Sharma secured 1<sup>st</sup> and 2<sup>nd</sup> Positions respectively

## Guest Lectures/ Workshops/FDP

Department of Applied Sciences (Physics Group) organized various Guest Lectures, Workshops and FDP to enhance the knowledge of the students and faculty.

### (i) Guest Lectures Organized

Sr.No.	Title	Expert	Date
1	Communication skills in Engineers & Scientists	Dr. Sunil Kumar, Australia	25-July-2014
2	Introduction to Nanotechnology. Its synthesis & Characterization.	Dr. Rohit Mehra, Associate Professor, Department of Physics, NIT, Jalandhar	15-Oct-2014

### (ii) Workshop Organized

Sr.No	Title	Expert	Date
1	Business Correspondence	Mr. Samrat Khanna. Associate Professor, Punjabi University Gudda, Bhatianda	20-oct-2014

### Educational Tour/ Visits by Students

Educational Tour was arranged by Department of Applied Sciences (Physics Group) to **Pushpa Gujral Science City, Kapurthala** on 17<sup>th</sup> June 2014

Department of Applied Sciences (Physics Group) arranged an Industrial visit to **Coco-Cola Factory** on 20<sup>th</sup>-June-2014

## Photo Gallery

### i) Chemistry Group



**Team of Applied Sciences (Chemistry Group)**



**Dr. Lobana being welcomed**



**Dr. Jyoti Mehta during welcome address**



**Dr. Mahla being given hearty welcome**



**Dr. Mahla delivering the lecture**



**Welcome of Chief Guest at the opening Ceremony of FDP**





**Topper Students of B.Tech 1<sup>st</sup> Sem awarded with appreciation letters along with gifts**



**Dr. Manmohan Chhiber being welcomed**



**Dr. Kulbushan Agnihotri during an interactive session with students**



**Student expressing his views during the event of Debate.  
ii) Physics Group**



**First prize winner being felicitated**





**Floral Ovation to Dr. Sunil Kumar, an Eminent Speaker and Technocrat from Australia.**



**Dr. Rohit Mehra, Associate Professor, Department of Physics from Dr. B.R Ambedkar National Institute of Technology, Jalandhar**



**Department of Applied Sciences (Physics) arranged an Industrial visit to Coco-Cola Factory**



**Toppers of B.Tech 1<sup>st</sup> (Sem) Awarded with Appreciations Letters Along with Gifts**



**Guest Lecture on the topic LCD recent advances by Dr.Parveen Malik, Assistant**



**Prize Distribution Ceremony Organized to felicitate the winners of ASSET**

## Department of Civil Engineering

### 1. Introduction about department

Civil Engineering is the oldest branch of Engineering fulfilling the requirements of physical infrastructures of various human activities i.e. Agriculture, Industry, Trade & commerce, housing, Education, health and Recreation thereby contributing to overall socio-economic development all over the World. As long as Society & Civilization exists, Civil Engg profession will remain important.

The Deptt of Civil Engg at this college was established in 2009 with sanctioned intake of 64 students from 2013 batch students is 129 & batch 2014 the no. of students is 120.

### 2. HOD brief details or 3 expertises in the deptt.

Er.P.S.Sidhu is the HOD. He passed B.Tech CE in (First Class) with distinction from BIT Sinbri. Served in National Building Construction Corporation New Delhi, Punjab Irrigation Chandigarh and Punjab Pollution Control Board. Retired as Senior Environmental Engineer from Punjab Pollution Control Board Patiala. Served in Central and State Govt. for more than 30 years.

Name	Er.P.S.Sidhu
Qualification	M.Tech (Pursuing)
Total Experience	34 Years
Area of Specification	Environmental Engineering & Structural Engineering

### 3. New joining (faculty) in the deptt

Sr. No.	Name	Designation
1	Er. Kulbir Bawa	Asstt. Prof
2	Er.Simarpreet Singh	Asstt Prof.
3	Er.Sumit Kumar	Asstt. Prof.
4	Er. Vickramjit Singh	Asstt. Prof.
5	Er. Simrandeep Singh Bindra	Asstt. Prof.
6	Er. Supreet Kaur	Asstt. Prof.
7	Er. Rohit Kumar	Asstt. Prof.



#### 4. Student Strength Year wise with Gender and State Distribution

Year	Male	Female	From Punjab	From Himachal	From J& K	From Others States
2 <sup>nd</sup> year	108	8	85	12	5	14
3 <sup>rd</sup> Year	107	1	97	2	5	4
4 <sup>th</sup> Year	133	9	117	0	5	20

#### 5. Final Examinations Results

##### a.Pass %age subject-wise (May, 2014, Dec., 2014)

B.Tech (CE) 4 <sup>th</sup> Sem	Subjects	No of Student Appeared	Pass %age
	(BTCE-401) Geomatics Engg	125	68
	(BTCE-402) Construction Machinery & Works Mgt	125	78
	(BTCE-403) Design of Concrete Structures-I	125	92
	(BTCE-404) Fluid Mechanics-II	125	88
	(BTCE-405) Irrigation Engg-I	125	56
	(BTCE-406) Structural Analysis-I	125	93
	(BTCE-407) Concrete Technology Lab	125	100
	(BTCE-408) Structural Analysis Lab	125	100
	(BTCE-409) General Fitness	125	100
B.Tech (CE) 6 <sup>th</sup> Semester	Subjects	No of Student Appeared	Pass %age
	(BTCE-601) Design of Concrete Structures-II	74	68
	(BTCE-602) Elements of Earthquake Engg	75	85
	(BTCE-603) Foundation Engineering	75	96
	(BTCE-604) Numerical Methods in Civil Engg	74	92
	(BTCE-605) Professional Practice	75	95
	(BTCE-606) Environmental Engg-II	75	89
	(BTCE-607) Environmental Engineering Lab	75	100
	(BTCE-608) Computer Aided Structural Drawing II	75	100
	(BTCE-609) General Fitness	75	100
B.Tech (CE) 3 <sup>rd</sup> Semester	Subjects	No of Student Appeared	Pass %age
	Engg Mathematics-III	118	81
	Fluid Mechanics-I	118	83
	Rock Mechanics & Engg Geology	118	92
	Strength of Materials	118	75
	Surveying	118	85
	Building Materials & Constructions	118	94
	Fluid Mechanics-I Lab	118	100
	Strength of Materials Lab	118	100
	Surveying Lab	118	100
	Workshop Training of 4 weeks duration after 2nd sem	110	100
B.Tech (CE) 5 <sup>th</sup> Semester	Design of Steel Structures-I	127	94
	Geotechnical Engineering	126	94

	Structural Analysis-II	126	96
	Transportation Engineering-I	126	95
	Environmental Engineering –I	126	95
	Transportation Engineering Lab	126	100
	Geotechnical Engineering Lab	126	100
	Computer Aided Structural Drawing I	126	100
	Survey Camp of 04 weeks duration after 4th Semester	136	97
<b>B.Tech (CE) 7<sup>th</sup> Semester</b>	Design of Steel Structures-II	74	100
	Disaster Management	75	100
	Irrigation Engineering-II	74	97
	Transportation Engineering-II	75	100
	Pre-stressed Concrete	75	97
	Infrastructure Development and Management	75	100
	Project	75	100

## 5. Final Examinations Results

### a. Merit positions/Marks in the final Examinations

May 2014

Class/Sem	No. of students having more than 75% marks	No. of students having more than 80% marks
4 <sup>th</sup> Semester	5	2
6 <sup>th</sup> Semester	6	-
8 <sup>th</sup> Semester	-	75

Dec. 2014

Class/Sem	No. of students having more than 75% marks	No. of students having more than 80% marks
3 <sup>rd</sup> Semester	7	5
5 <sup>th</sup> Semester	10	13
7 <sup>th</sup> Semester	8	10

## 6. Students Activities and achievements

### a. Sports (Format)

Sr. No	Name of Student	Event	Position Obtained
1	Sarabjit	Long Jump	1 <sup>st</sup>
2	Sukhwinder Singh	Long Jump	3 <sup>rd</sup>
3	Sarabjit	100 mts	1 <sup>st</sup>
4	Anirudh Sharma	100 mts	2 <sup>nd</sup>
5	Harjit Singh	400 mts	3 <sup>rd</sup>
6	Sarabjit	4x400 mts	1 <sup>st</sup>
7	Sukhwinder Singh		1 <sup>st</sup>
8	Anirudh Sharma		1 <sup>st</sup>
9	Ravinder pal Singh		1 <sup>st</sup>

## **b. Social Curricular/co-curricular Activities**

Blood donation under N.S.S Programme:

B.Tech 4<sup>th</sup> (B1 Group) Semester = 10 Students.

B.Tech 4<sup>th</sup> (B2 Group) Semester = 8 Students.

B.Tech 6<sup>th</sup> Semester = 7 Students.

## **c. Educational Tour/Visits by Students**

- One day educational tour in Construction Company S.P. Singla Pvt. Ltd at Amritsar.
- Survey Camp of B.Tech (CE) students after 4<sup>th</sup> semester at Naddi, Dharamshala in June-July, 2014.
- Anandpur Sahib, B.Tech (CE) students of 5<sup>th</sup> Semester B1 and B2 group on 27<sup>th</sup> September 2014.
- Science City, B.Tech (CE) students of 5<sup>th</sup> Semester B1 and B2 group on 20<sup>th</sup> September 2014.

## **7. Society Activity**

### **a. Other Activities of the Deptt.**

- Logo making contest was organized on 5<sup>th</sup> February 2015.
- Aptitude test was held on 29<sup>th</sup> January 2015.
- Extempore was held on 18<sup>th</sup> February 2015.

### **b. Guest Lecture/Workshop/FDP**

- One Day National Seminar on Recent Advancement in Concrete Composite (July 18, 2014).
- Guest Lecture on “Fuzzy Logic” by Dr. Jagdev Singh, BCET, Gurdaspur on 14 October 2014.
- Guest Lecture on “Earthquake Resistant Design of Structures” presented by Dr. A.P Singh Professor, NIT, Jalandhar on 3rd March, 2015.
- One day workshop on “Google Sketch up Software by NET MAX on 18th Feb 2015.

## 8. Photo Gallery



**Logo Making Competition held on 5<sup>th</sup> October 2014.**



**Survey Camp after 4<sup>th</sup> Semester at Naddi, Dharamshala (HP) in June-July 2014**



**Anandpur Sahib, B.Tech (CE) students of 5<sup>th</sup> Semester B1 and B2 group on 27<sup>th</sup> September 2014**



**One Day National Seminar on Recent Advancement in Concrete Composite (July 18, 2014).**

## Department of Computer Science & Engineering

### 1. About the Department

The Department of Computer Science and Engineering offers four year B. Tech and two year M.Tech program in Computer Science and Engineering based on semester system. Since its inception in 2002, the branch has attracted a lot of young talent wanting to make career in this field. With the emergence of Information and Communication Technology, the world has changed its way of functioning. Not only these inventions made our lives easier, but are behind the creation of lucrative career. Keeping this thing in mind, Department of Computer Science & Engineering is in the process of improving the training and course contents beyond the regular curriculum which meet the latest challenges and advancements in Information Technology in the knowledge driven world.

Department of Computer Science & Engineering at ACET has made every effort to give our nation engineers with a high caliber of technical expertise. It continues to foster and engender the innovation and breadth of vision necessary to excel in the blooming software and hardware industry.

The experienced faculty exposes the would-be computer engineers to a rigorous and exhaustive curriculum designed to bring out the best in them and to keep them in touch with the latest state of the art technology.

### 2. HOD brief details

<b>Name</b>	<b>Er. Sandeep Kad, HOD(CSE/IT), DDA</b>
<b>Qualification</b>	M.Tech, PhD Pursuing
<b>Total Experience</b>	15 Years
<b>Area of Specialization</b>	Network Security & Soft Computing

### Expertise in the Department

Sr. No.	Faculty Name	Qualification	Experience	Specialization
1	Mr. Ajay Sharma	M.Tech, PhD Pursuing	21 Years	Big Data, DBMS, Programming Languages
2	Mr. Amarpreet Singh	M.Tech, PhD Pursuing	13 Years	Network Security
3	Ms. Navneet Bawa	M.Tech, PhD Pursuing	8 years	Image Processing, Bioinformatics

### 3. New Joining (faculty) in the department

Name	Designation	Date of Joining	Qualification
Er.Rajbir Singh	Associate Professor	6/4/2015	PhD Pursuing
Ms.Amanpreet Kaur	Assistant Professor	1/7/2014	M-Tech
Mr.Bhuvnesh Kumar	Assistant Professor	7/7/2014	M-Tech

### 4. Student Strength Year wise with gender and State Distribution

Year	Male	Female	From	From Himachal	From J & K	From other states
			Punjab			



<b>1<sup>st</sup> Year</b>	126	57	161	3	3	16
<b>2<sup>nd</sup> Year</b>	116	70	176	1	5	4
<b>3<sup>rd</sup> Year</b>	130	87	208	0	2	7
<b>4<sup>th</sup> Year</b>	70	79	141	2	1	5

## 5. Final Examination Results

### a. Pass %age subject wise Dec,2014

<b>B.TECH CSE 5<sup>TH</sup> CS1</b>	<b>Subjects</b>	<b>No. of Students Appeared</b>	<b>Pass %age</b>
	BTCS - 501 Computer Networks - II	69	91.3
	BTCS - 502 Relational Database Management System	69	98.5
	BTCS - 503 Design & Analysis of Algorithms	69	97.1
	BTCS - 504 Computer Graphics	69	91.3
	BTCS - 505 Computer Peripheral Interfacing	69	94.2
	BTCS - 506 Relational Database Management System Lab	69	100
	BTCS - 507 Computer Networks - II Lab	69	100
	BTCS - 508 Design & Analysis of Algorithms Lab	69	100
	BTCS - 509 Computer Graphics Lab	69	100
<b>B.TECH CSE 5<sup>TH</sup> CS2</b>	<b>Subjects</b>	<b>No. of Students Appeared</b>	<b>Pass %age</b>
	BTCS - 501 Computer Networks - II	73	95.9
	BTCS - 502 Relational Database Management System	73	100
	BTCS - 503 Design & Analysis of Algorithms	73	100
	BTCS - 504 Computer Graphics	73	94.5
	BTCS - 505 Computer Peripheral Interfacing	73	97.3
	BTCS - 506 Relational Database Management System Lab	73	100
	BTCS - 507 Computer Networks - II Lab	73	100
	BTCS - 508 Design & Analysis of Algorithms Lab	73	100
	BTCS - 509 Computer Graphics Lab	73	100
<b>B.TECH CSE 5<sup>TH</sup> CS3</b>	<b>Subjects</b>	<b>No. of Students Appeared</b>	<b>Pass %age</b>
	BTCS - 501 Computer Networks - II	68	92.6
	BTCS - 502 Relational Database Management System	68	97.1
	BTCS - 503 Design & Analysis of Algorithms	68	95.5
	BTCS - 504 Computer Graphics	68	94.1
	BTCS - 505 Computer Peripheral Interfacing	68	98.5
	BTCS - 506 Relational Database Management System Lab	68	100
	BTCS - 507 Computer Networks - II Lab	68	100
	BTCS - 508 Design & Analysis of Algorithms Lab	68	100
	BTCS - 509 Computer Graphics Lab	68	100
<b>B.TECH CSE 3<sup>RD</sup> CS1</b>	<b>Subjects</b>	<b>No. of Students Appeared</b>	<b>Pass %age</b>
	BTCS - 301 Computer Architecture	56	92.9
	BTCS - 302 Discrete Maths	56	69.9
	BTCS - 303 Digital Circuits and Logic design	56	92.9
	BTCS - 304 Data Structures	56	91.1
	BTCS - 305 Object Oriented Programming	56	89.3
	BTCS - 306 Digital Circuits and Logic design Lab	56	100
	BTCS - 307 Data Structures Lab	56	100
	BTCS - 309 Object Oriented Programming Lab	56	100
<b>B.TECH</b>	<b>Subjects</b>	<b>No. of Students Appeared</b>	<b>Pass %age</b>
	BTCS - 301 Computer Architecture	55	94.5
	BTCS - 302 Discrete Maths	55	76.4

<b>CSE 3<sup>RD</sup></b> <b>CS2</b>	BTCS - 303 Digital Circuits and Logic design	55	90.9
	BTCS - 304 Data Structures	55	92.7
	BTCS - 305 Object Oriented Programming	55	94.5
	BTCS - 306 Digital Circuits and Logic design Lab	55	100
	BTCS - 307 Data Structures Lab	55	100
	BTCS - 309 Object Oriented Programming Lab	55	100
<b>B.TECH</b> <b>CSE 3<sup>RD</sup></b> <b>CS3</b>	<b>Subjects</b>	<b>No. of Students Appeared</b>	<b>Pass %age</b>
	BTCS - 301 Computer Architecture	63	90.5
	BTCS - 302 Discrete Maths	63	63.5
	BTCS - 303 Digital Circuits and Logic design	63	88.9
	BTCS - 304 Data Structures	63	84.2
	BTCS - 305 Object Oriented Programming	63	82.5
	BTCS - 306 Digital Circuits and Logic design Lab	63	100
	BTCS - 307 Data Structures Lab	63	100
<b>B.TECH</b> <b>CSE 7<sup>th</sup></b> <b>CS1</b>	<b>Subjects</b>	<b>No. of Students Appeared</b>	<b>Pass %age</b>
	6 Months Industrial Training	72	100
<b>B.TECH</b> <b>CSE 7<sup>th</sup></b> <b>CS2</b>	<b>Subjects</b>	<b>No. of Students Appeared</b>	<b>Pass %age</b>
	BTCS - 701 Artificial Intelligence	75	96
	BTCS - 702 Theory of Computer Science	75	89.3
	BTCS - 905 Software Testing and Quality Assurance	75	98.7
	BTCS - 912 Cloud Computing	75	97.3
	BTCS – 703 Artificial Intelligence Lab	75	100
	BTCS – 704 Major Project	75	100
<b>MAY 2014</b>			
<b>B.TECH</b> <b>CSE 8<sup>th</sup></b> <b>CS1</b>	<b>Subjects</b>	<b>No. of Students Appeared</b>	<b>Pass %age</b>
	CS – 402 Symbolic language and logic processing	71	98.5
	CS – 404 Finite Languages and Automata theory	71	94.3
	CS – 408 Principles of Engineering Economics and Management techniques	71	97.2
	CE – 216 Environment Science	71	98.5
	CS – 418 System Simulation	71	100
	CS – 424 Expert system	71	87.3
	CS – 406 Major Project	71	100
	CS – 416 Symbolic language and logic processing LAB	71	100
	CS – 430 Expert system LAB	71	100
<b>B.TECH</b> <b>CSE 8<sup>th</sup></b> <b>CS2</b>	<b>Subjects</b>	<b>No. of Students Appeared</b>	<b>Pass %age</b>
	CS – 402 Symbolic language and logic processing	69	100
	CS – 404 Finite Languages and Automata theory	69	94.2
	CS – 408 Principles of Engineering Economics and Management techniques	69	98.6
	CE – 216 Environment Science	69	100
	CS – 418 System Simulation	69	100
	CS – 424 Expert system	69	98.6
	CS – 406 Major Project	69	100
	CS – 416 Symbolic language and logic processing LAB	69	100
	CS – 430 Expert system LAB	69	100
	<b>Subjects</b>	<b>No. of Students Appeared</b>	<b>Pass %age</b>
	BTCS 601 Simulation	73	100

<b>B.TECH CSE 6<sup>th</sup> CS1</b>	BTCS 602 Relational Database Management System- II	73	100
	BTCS 603 Software Engineering	73	97.3
	BTCS 901 Web Technologies	73	100
	HU 251 Human resource management	73	100
	BTCS 604 Relational Database Management System II Lab	73	100
	BTCS 605 Web Technologies Lab	73	100
	BTCS 606 Software Engineering Lab	73	100
	BTCS 607 Simulation Lab	73	100
<b>B.TECH CSE 6<sup>th</sup> CS2</b>	<b>Subjects</b>	<b>No. of Students Appeared</b>	<b>Pass %age</b>
	BTCS 601 Simulation	73	100
	BTCS 602 Relational Database Management System- II	73	100
	BTCS 603 Software Engineering	73	90.4
	BTCS 901 Web Technologies	73	100
	HU 251 Human resource management	73	100
	BTCS 604 Relational Database Management System II Lab	73	100
	BTCS 605 Web Technologies Lab	73	100
	BTCS 606 Software Engineering Lab	73	100
	BTCS 607 Simulation Lab	73	100
<b>B.TECH CSE 4<sup>th</sup> CS1</b>	<b>Subjects</b>	<b>No. of Students Appeared</b>	<b>Pass %age</b>
	BTCS – 401 Operating System	66	70
	BTCS – 402 Maths - III	66	83.3
	BTCS – 403 Computer Networks - I	66	92.4
	BTCS – 404 Microprocessors	66	95.5
	BTCS – 405 System Programming	66	89.4
	BTCS – 406 Operating System Lab	66	100
	BTCS – 407 Computer Networks - I Lab	66	100
	BTCS – 408 Microprocessor Lab	66	100
	BTCS – 409 System Programming Lab	66	100
<b>B.TECH CSE 4<sup>th</sup> CS2</b>	<b>Subjects</b>	<b>No. of Students Appeared</b>	<b>Pass %age</b>
	BTCS – 401 Operating System	67	82
	BTCS – 402 Maths - III	67	91
	BTCS – 403 Computer Networks - I	67	98.5
	BTCS – 404 Microprocessors	67	100
	BTCS – 405 System Programming	67	97.1
	BTCS – 406 Operating System Lab	67	100
	BTCS – 407 Computer Networks - I Lab	67	100
	BTCS – 408 Microprocessor Lab	67	100
	BTCS – 409 System Programming Lab	67	100
<b>B.TECH CSE 4<sup>th</sup> CS3</b>	<b>Subjects</b>	<b>No. of Students Appeared</b>	<b>Pass %age</b>
	BTCS – 401 Operating System	69	85.5
	BTCS – 402 Maths - III	69	83
	BTCS – 403 Computer Networks - I	69	97.1
	BTCS – 404 Microprocessors	69	91.1
	BTCS – 405 System Programming	69	87
	BTCS – 406 Operating System Lab	69	100
	BTCS – 407 Computer Networks - I Lab	69	100
	BTCS – 408 Microprocessor Lab	69	100
	BTCS – 409 System Programming Lab	69	100



**b. Merit positions/marks in the University Examinations**

<b>Dec 2014</b>	<b>No. of Students having more than 75% marks</b>	<b>No. of Students having more than 80% marks</b>
B. Tech (CSE) 3 <sup>rd</sup> Sem	16	14
B. Tech (CSE) 5 <sup>th</sup> Sem	29	54
B. Tech (CSE) 7 <sup>th</sup> Sem	23	15
B. Tech (CSE) 7 <sup>th</sup> Sem (Training)	15	57

<b>May 2014</b>	<b>No. of Students having more than 75% marks</b>	<b>No. of Students having more than 80% marks</b>
B. Tech (CSE) 4 <sup>th</sup> Sem	23	43
B. Tech (CSE) 6 <sup>th</sup> Sem	41	49
B. Tech (CSE) 8 <sup>th</sup> Sem	30	74

**6. Placements**

<b>Sr. No.</b>	<b>Company Name</b>	<b>No of Students Placed</b>
1	HP	6
2	Unisys	4
3	Nagarro	1
4	Aon	8
5	HCL	13
6	Steria	5
7	Ericson	9
8	LG soft	1
9	CSC India Pvt Ltd	1
10	Group 10	3
11	eClerx	4
12	Fran Connect	1
13	Appirrio	3
14	Mothersons sumi infotech & Design Ltd	1
15	Tech Mahindra	1
16	US .Tech Solutions	2

**7. Student Activities and achievements**

<b>Athletics Meet</b>			
<b>Sr. No.</b>	<b>Student Name</b>	<b>Event Name</b>	<b>Position Obtained</b>
1.	Sehaj Risham	Javelin Throw	3 <sup>rd</sup>
2.	Sehaj Risham	Shortputt	1 <sup>st</sup>
3.	Navjot	800 Mts	1 <sup>st</sup>
4.	Navjot Kaur	Long Jump	2 <sup>nd</sup>
	Jagroop Kaur		3 <sup>rd</sup>
5.	Navjot Kaur	100 Mts	2 <sup>nd</sup>
	Kanika		3 <sup>rd</sup>
6.	Jagroop	200 Mts	2 <sup>nd</sup>

	Kanika		3 <sup>rd</sup>
7.	Jagroop	400 Mts	1 <sup>st</sup>
	Kanika		3 <sup>rd</sup>
8.	Jagroop	4*100 Mts Relay race	1 <sup>st</sup>
	Navjot		
	Kanika		
	Neha		
	Manisha	4*100 Mts Relay race	3 <sup>rd</sup>
	Navneet		
	Sehaj		
	Parul		
9.	Navjot Kaur	4*400 Mts Relay race	1 <sup>st</sup>
	Jagroop Kaur		
	Parul		
	Kanika		
	Manisha	4*400 Mts Relay race	3 <sup>rd</sup>
	Samriti		
	Navneet		
	Sehaj		

## 8. ACES ( ACET COMPUTER ENGINEERS SOCIETY )

The department has established technical society under the name 'ACES' with an aim to enhance technical and managerial skills of the students by organizing supplementary programmes like paper presentations, technical seminars, aptitude tests, group discussions, quiz, mock interviews, etc. This is done to prepare computer engineers who are not only sound in professional competence but also in their overall perspective to serve the mankind globally

### a. ACES EVENTS SUMMARY

Year	Date	Name of Event	No. of Students Participated	Name of winners
2014-15	21th Aug 2014	Aptitude Test	140	Lovejeet Singh Kanika
	25 <sup>th</sup> Sept 2014	Aptitude Test	100	Rajkamal Ritika Sharma
	14-15 Oct 2014	Group Discussion	100	Nagendra Rabia Mahajan
	23 <sup>rd</sup> Oct 2014	Rangoli Competition	20	Mishy Sharma
	25 <sup>th</sup> March 2015	Quiz Competition	50	DanishDeep Singh Danish Jain Gautam Mahajan Harpreet Singh
	25 <sup>th</sup> March 2015	Tech Drive	100	Karan Pratap Rakshit Rajat Bajaj

### b. Faculty Publications/ Guest Lectures / FDPs

**Faculty Publications/conferences (2014-2015)**

<b>Sr. No.</b>	<b>Title of Paper</b>	<b>Author Name</b>
1	Implementing Watermarking Relational Databases Using Genetic Algorithm And Honey Bee Optimization, International Conference On Research And Innovations In Engineering And Technology-Icriet, Dec. 19-20, 2014, Isbn No : 978-81-924867-3-4	Er. Sandeep Kad
2	A Survey On Various Clustering Techniques In Wireless Sensor Network, International Conference On Research And Innovations In Engineering And Technology-Icriet, Dec. 19-20, 2014, Isbn No : 978-81-924867-3-4	Dr. Tanupreet Singh
3	Techniques For Sinkhole Attack Detection In Wireless Sensor Networks, International Conference On Research And Innovations In Engineering And Technology-Icriet, Dec. 19-20, 2014, Isbn No : 978-81-924867-3-4	Dr. Tanupreet Singh
4	Comparative Study Of Blackhole Attack Detection Schemes – A Review, International Conference On Research And Innovations In Engineering And Technology-Icriet, Dec. 19-20, 2014, Isbn No : 978-81-924867-3-4	Dr. Tanupreet Singh
5	An Evaluation Of Data Aggregation Techniques In Wireless Sensor Networks, International Conference On Research And Innovations In Engineering And Technology-Icriet, Dec. 19-20, 2014, Isbn No : 978-81-924867-3-4	Dr. Tanupreet Singh
6	Review On Lifetime Improvement Of Leach Protocol For Wsn, International Conference On Research And Innovations In Engineering And Technology-Icriet, Dec. 19-20, 2014, Isbn No : 978-81-924867-3-4	Dr. Tanupreet Singh
7	Survey Of Various Routing Protocol-A Review, International Conference On Research And Innovations In Engineering And Technology-Icriet, Dec. 19-20, 2014, Isbn No : 978-81-924867-3-4	Dr. Tanupreet Singh
8	Enhanced Energy Efficient Position Based Routing Protocol For Mobile Ad Hoc Network, International Conference On Research And Innovations In Engineering And Technology-Icriet, Dec. 19-20, 2014, Isbn No : 978-81-924867-3-4	Dr. Tanupreet Singh
9	A Survey On Detection And Replacement Of Faulty Nodes In Wireless Sensor Networks, International Conference On Research And Innovations In Engineering And Technology-Icriet, Dec. 19-20, 2014, Isbn No : 978-81-924867-3-4	Dr. Tanupreet Singh
10	A Review On Underwater Wireless Sensor Networks, International Conference On Research And Innovations In Engineering And Technology-Icriet, Dec. 19-20, 2014, Isbn No : 978-81-924867-3-4	Dr. Tanupreet Singh
11	An Analytical Solution Of Over-Enhancement Problem In Mix Clahe, International Journal Of Advance Research In Science And Engineering, Volume 04, Issue 01, March 2015	Er. Ajay Sharma
12	An Analytical Solution Of Over-Enhancement Problem In Mix Clahe, International Conference On Recent Trends In Engineering Science And Management, 15 March 2015	Er. Ajay Sharma Er. Navneet Bawa
13	Enriched Fuzzy And L*A*B Based Mix C Contrast Limited Adaptive Histogram Equalization, Ijca, Volune115 No.2 April 2015	Er. Ajay Sharma
14	An Account Of Clustering Schemes In Vanets, International Conference On Research And Innovations In Engineering And Technology-Icriet, Dec. 19-20, 2014	Er. Amarpreet Singh
15	An Review On Authentication Schemes In Vanets, International Conference On Research And Innovations In Engineering And Technology-Icriet, Dec. 19-20, 2014	Er. Amarpreet Singh

16	Verification And Validation: Key To Achieve Quality Software Product, International Conference On Research And Innovations In Engineering And Technology-Icriet, Dec. 19-20, 2014	Er. Amarpreet Singh
17	License Plate Recognition Using Color Based Segmentation And Neural Networks, International Journal Of Scientific & Engineering Research, Volume 6, Issue 1, January-2015 594 Issn 2229-5518	Er. Navneet Bawa
18	License Plate Recognition Using Hopfield Neural Networks, International Journal Of Modern Trends In Engineering And Research (Ijmeter) Volume 02, Issue 03, [March - 2015] E-Issn: 2349-9745, P-Issn: 2393-8161	Er. Navneet Bawa
19	Image Enhancement Techniques-A Review, International Conference On Research And Innovations In Engineering And Technology-Icriet, Dec. 19-20, 2014	Er. Navneet Bawa
20	Survey On Image Fusion Techniques, International Conference On Research And Innovations In Engineering And Technology-Icriet, Dec. 19-20, 2014	Er. Navneet Bawa
21	Evaluation Of Various Segmentation Techniques For Cold Image Processing, International Conference On Research And Innovations In Engineering And Technology-Icriet, Dec. 19-20, 2014	Er. Navneet Bawa
22	Evaluating The Key Finding Of Digital Image Watermarking Techniques, International Conference On Research And Innovations In Engineering And Technology-Icriet, Dec. 19-20, 2014	Er. Navneet Bawa
23	Evaluation Of Underwater Image Enhancement Techniques, International Conference On Research And Innovations In Engineering And Technology-Icriet, Dec. 19-20, 2014	Er. Navneet Bawa
24	A Review On Various Techniques Of Face Recognition, International Conference On Research And Innovations In Engineering And Technology-Icriet, Dec. 19-20, 2014	Er. Navneet Bawa
25	A Review Of Digital Watermarking, Applications And Its Techniques, International Journal Of Computer And Organization Trends-Volume 10 Number 1, Jul 2014	Er. Sanjeev Kumar
26	Performance Improvement Of Simple Lsb Watermarking Using Svd, International Conference On Innovative Applications Of Computational Intelligence On Power, Energy And Controls With Their Impact On Humanity (Cipech14), 28 & 29 November 2014	Er. Sanjeev Kumar
27	A Review On Big Data, International Conference On Research And Innovations In Engineering And Technology-Icriet, Dec. 19-20, 2014	Er. Aarti
28	A Review On Data Mining, International Conference On Research And Innovations In Engineering And Technology-Icriet, Dec. 19-20, 2014	Er. Aarti
29	Security Issues Of Distributed Databases, International Conference On Research And Innovations In Engineering And Technology-Icriet, Dec. 19-20, 2014	Er. Aarti
30	Contrast Stretching And Its Various Techniques, International Conference On Research And Innovations In Engineering And Technology-Icriet, Dec. 19-20, 2014	Er. Aarti
31	A Review On Cloud Computing Security Issues, International Conference On Research And Innovations In Engineering And Technology-Icriet, Dec. 19-20, 2014	Er. Aarti
32	Introducing Cyber Security In Education Policy, National Conference On Revitalizing Education Policy For Safer Women World, Sept 14, 2014	Er. Shubhika Mehra
33	Improving Performance Of Mobile Adhoc Network Using Enhanced Ant	Er. Mohit Sood

**Guest Lectures**

Sr. No.	Title	Name	Date
1	Network Security Issues	Dr. Amardeep Singh, Associate Professor, SLIET , Longowal	16 <sup>th</sup> Oct, 14
2	Information Security	Dr. Renu Dhir, HOD (CSE), NIT , Jalandhar	6 <sup>th</sup> Feb, 15
3	Mobility, Big Data Analytics & Cloud Computing	Mr. Amandeep Singh, Project Manager, Arcadian Technocrats	18 <sup>th</sup> Mar, 15
4	Physical layer and standards	Dr. Anil Verma, Associate Professor, Thapar University, Patiala	24 <sup>th</sup> Mar, 15

**Faculty Development Programme (2014-2015)**

Sr. No.	Faculty Name	Date of Event	Detail of Event
1.	Er. Aarti (Assistant Professor) Er. Ina Manchanda (Assistant Professor) Er. Shubhika Mehra (Assistant Professor)	30-06-2014 – 04-07-2014	PTU sponsored Faculty Development Program on “Numerical Techniques for Engineers “organized by Department of Applied Science of ACET.
2.	Er. Sandeep Kad (Associate Prof.) Er. Ajay Sharma (Associate Professor) Er. Amarpreet Singh (Associate Professor) Er. Navneet Bawa (Associate Professor) Er. Vinod Kumar (Assistant Professor) Er. Shivani Sharma (Assistant Professor) Er. Sanjeev Kumar (Assistant Professor) Er. Pavitar Singh (Assistant Professor) Er. Manoj Agnihotri (Assistant Professor) Er. Aarti (Assistant Professor) Er. Ina Manchanda (Assistant Professor) Er. Nisha (Assistant Professor) Er. Shubhika Mehra (Assistant Professor) Er. Bhuvnesh Kumar (Assistant Professor) Er. Sarabpreet Singh (Assistant Professor) Er. Amanpreet Kaur (Assistant Professor) Er. Harpreet Kaur (Assistant Professor)	1 – 5 June, 2015	Faculty Development Program was held on “Optimization and Security in Information and Computing Technology “ organized by Department of Computer Science & Engg. ACET



## 9. Photo Gallery



**First Board of Studies Meeting held on 20<sup>th</sup> April 2015**



**5 Days Workshop on Ethical Hacking and Security (10-14 Feb 2015)**



**Lakshay BTech CSE 4<sup>th</sup> Sem Getting  
100% Attendance Award**



**Tech – Drive Winner - Karan Pratap  
BTech CSE 4<sup>th</sup> Sem**



**Best project – Six Month Training**



**Educational Trip- Pushpa Gujral Science City  
June 2015**



**Guest Lecture By Dr. Anil Verma**



**PTU sponsored 5 Days Faculty Development Programme**

## Department of Electrical Engineering

### 1. Introduction about department

The department of Electrical Engineering at Amritsar College of Engineering & Technology promotes students who wish to hone their skills beyond the technical. In promoting this effort, the department conducts a large number of events within the department and outside. The team of well qualified and experienced faculty with experience in Power Systems, Electronics & Computer Applications, Power Electronics, control system, has been endeavoring to provide training and courses, within and beyond the regular undergraduate curriculum in order to meet real world challenges and advancements in the field. The department has also established a technical society for all students by the name “SPARK”. The objective is to provide the students a platform for collaborative growth by self-motivated action for enhancement of their managerial skills in addition to their technical skills. The graduated students of the Electrical Engineering Department have successfully secured good placements in the Electrical Industries in the past with every rising prospects for the future.

### 2. HOD brief details

<b>Name</b>	Er.Sandeep Kaushal
<b>Qualification</b>	MBA, M.Tech, PhD Pursing
<b>Total Experience</b>	15
<b>Area of Specialization</b>	Microwave Radar Imaging, Optical Imaging

### Expertise in the Department

Sr. No.	Faculty Name	Qualification	Experience	Specialization
1.	Er.Bimal Kumar	M.Tech.	11 years	Networks and power system Analysis, Control
2.	Er.Namarta Kad	M.Tech.	10 years	Power Systems and Optimization

### 3. Student Strength Year wise with Gender and State Distribution

Year	Male	Female	From Punjab	From Himachal	From J& K	From Others States
1 <sup>st</sup> year	31	Nil	23	2	-	6
2 <sup>nd</sup> year	14	0	12	1	0	1
3 <sup>rd</sup> Year	47	8	44	1	4	6
4 <sup>th</sup> Year	73	5	61	2	3	12



#### 4. Final Examinations Results

##### a. Pass %age subject-wise (May, 2014, Dec., 2014)

<b>B.Tech (EE) 3<sup>rd</sup> Semester</b>	<b>Subjects</b>	<b>No of Student Appeared</b>	<b>Pass %age</b>
	BTAM-301 Engineering Mathematics-III	19	63.2
	BTEE-301 Circuit Theory	18	66.7
	BTEE-302 Transformers & Direct Current Machines	19	89.5
	BTEE-303 Electrical Measurements & Instrumentation	19	73.7
	BTEE-304 Electronic Devices and Circuits	18	77.8
<b>B.Tech (EE) 5<sup>th</sup> Semester</b>	<b>Subjects</b>	<b>No of Student Appeared</b>	<b>Pass %age</b>
	BTEE-501 Synchronous Machines	51	94.4
	BTEE-502 Electric Generation & Economics	52	94.5
	BTEE-503 Microprocessors	47	85.5
	BTEE-504 Power Electronics	50	90.9
	BTEE-505 Numerical & Statistical Methods	52	94.5
<b>B.Tech (EE) 7<sup>th</sup> Semester</b>	BTEE-801 Power System Analysis	72	88.9
	BTEE-802 High Voltage Engineering	72	91.7
	BTEE-803 Non-conventional Energy Sources	71	94.4
	BTEE-804C Digital Signal Processing	71	87.3
	BTEE-805B HVDC Transmission	72	97.2

##### b. Merit positions/Marks in the final Examinations

May 2014

<b>Class/Sem</b>	<b>No. of students having more than 75% marks</b>	<b>No. of students having more than 80% marks</b>
<b>4<sup>th</sup> sem</b>	8	2
<b>6<sup>th</sup> sem</b>	7	nil
<b>8<sup>th</sup> sem</b>	63	4

Dec. 2014

<b>Class/Sem</b>	<b>No. of students having more than 75% marks</b>	<b>No. of students having more than 80% marks</b>
<b>3<sup>rd</sup> sem</b>	1	Nil
<b>5<sup>th</sup> sem</b>	5	1
<b>7<sup>th</sup> sem</b>	13	4

#### 5. Placements

Batch 2011- 2014

<b>Sr. No</b>	<b>Name of Company/ Organization</b>	<b>No of Students Placed</b>	<b>Package Offered</b>
1	Indus Tower	EEE	3

#### 6. Students Activities and achievements

##### a. Sports: - Athletic Meet

<b>Sr. No</b>	<b>Name of Student</b>	<b>Event</b>	<b>Position Obtained</b>
1.	Simratpal Singh	800m	1 <sup>st</sup>
2.	Daljeet Singh	200m	3 <sup>rd</sup>
3.	Daljeet Singh	Javlin Throw	3 <sup>rd</sup>

**b. Educational Tour/Visits by Students****Visit at Guru Nanak Dev Thermal Power Plant Bathinda on 20/8/2014**

- No. of Students visited – 54
- No. of faculty members visited – 02

**Visit at Ranjit Sagar Dam, Sahpur kandi on 22/8/2014**

- No. of Students visited – 70
- No. of faculty members visited – 02

**Visit at Chintpurni, Himachal on 14/02/2015**

- No. of Students visited – 72
- No. of faculty members visited – 03

**Visit at 400kV Power Grid Corporation at Golwad (Amritsar) on 11/3/2015**

- No. of Students visited – 40
- No. of faculty members visited – 02

**c. Events Organized on 26-09-2014**

Position	WHO AM I ? (Season-6)	Quiz	Click It
<b>First</b>	Anoop Sharma, Anshul Sareen (CE-3 <sup>rd</sup> year)	Umesh Kumar, Vikrant Sharma (ECE-4 <sup>th</sup> year )	Parampreet Kaur (CSE-1 <sup>st</sup> year)
<b>Second</b>	Umesh, Shivam Sharma (ECE-4 <sup>th</sup> year)	Sonal Mehra, Rohin Sodhi (ME-4 <sup>th</sup> year)	Harshit (ME-1 <sup>st</sup> year-B1)
<b>Third</b>	Gagandeep Singh, Parminder Singh(EEE-3 <sup>rd</sup> year)	----	----

**d. Events Organized on 16-02-2015**

Position	SUDOKU	Mental Ability Test
<b>First</b>	Tania (1300440) (CSE-4 <sup>th</sup> Sem.)	Navjot (1300849), Md Ali Hassan(1300847) (EEE-4 <sup>th</sup> Sem.)
<b>Second</b>	Vikas Handa (1300287) (CE-4 <sup>th</sup> Sem.)	Aayman(1235355) (CE-6 <sup>th</sup> Sem.), Shaylla(1235874) (ECE-6 <sup>th</sup> Sem.)
<b>Third</b>	Gurpreet Singh (1400676) (ME-2 <sup>nd</sup> Sem.)	Steve Lal(1300434), Kanish(1300343) (CSE-4 <sup>th</sup> Sem.)

**7. Guest Lecture/Workshop/FDP**

Sr. No.	Course/(Sem.)	Event	Date
1.	B.Tech/EEE(3rd ) B.Tech/EEE(5th ) B.Tech/EEE(7th )	Guest Lecture Delivered by Mr. Hardeep Singh Assistant Electrical Engineer, Thermal Plant Bhatinda,PSPCL, Punjab	25/9/2014
2.	B.Tech/EEE(6th ) B.Tech/EEE(4th )	Guest Lecture Delivered by Mr. Harjit Singh, Retired Additional SE from PSPCL, Punjab	10/03/2015
3.	B.Tech/EEE(7th )	Workshop on “E-Tap Software” by Mr. Neeraj Sharma Associate Prfessor at BBSBEC, Fategarh Sahib	30/09/2014
4.	B.Tech/EEE(6th ) B.Tech/EEE(4th )	Workshop on “Industrial Automation” by Mr. Kuldeep Singh Senior Engineer, CMC Chandigarh-A Tata Enterprise	16/10/2014
5.	B.Tech/EEE(6th ) B.Tech/EEE(4th )	Workshop on “PLC and Automation Software” by Mr. Naveen Jha Automation Manager, Wind Tech. Pvt. Ltd. Mohali	18/05/2015

## 8. Photo Gallery



**EE's Flash" Volume 2 of News letter Release on 25 Sept., 2015**



**Guest Lecture Delivered by Mr. Hardeep Singh Assistant Electrical Engineer, Thermal Plant Bthinda**



**Guest Lecture Delivered by Mr. Harjit Singh, Retired Additional SE from PSPCL, Punjab**



**Workshop on "Industrial Automation" by Mr. Kuldeep Singh form CMC Chandigarh- A Tata Enterprise**



**Visit to Mata Chintpurni, Himachal Pardesh**



**Visit at Guru Nanak Dev Thermal Power Plant Bathinda**





**Visit at 400kV Power Grid Corporation at Golwad (Amritsar)**



**Visit at Ranjit Sagar Dam, Sahpur kandi**



**Best Faculty Award**



**Pryass-2015**



**Athletic Meet 2015**



**Spark Prize Distribution**

## DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

### 1. About the Department

To keep pace with the rapidly evolving electronics industry requires unwavering passion and urge to innovate. This, precisely, is what the Department of Electronics & Communication Engineering at the ACET is about. It aims to produce quality professionals in Electronics and communication engineering to compete globally and excel by carrying out basic and applied research in emerging areas by forging strong industry-institute interaction. The broad spectrum of courses is taught by a group of highly-experienced faculty who are also researchers in their own areas. The syllabus - rigorous in design and content - is in keeping with the latest developments in the industry. Well-equipped laboratories coupled with extensive practical work ensure the student receives a well-rounded education.

### 2. HOD brief details

<b>Name</b>	Er. Narinder Sharma
<b>Qualification</b>	M.Tech, PhD Pursing
<b>Total Experience</b>	17 years ( Teaching: 11 Years & Industry: 6 Years)
<b>Area of Specialization</b>	RF Communication and Antenna Designing

### 3. New joining Faculty in the department

<b>Faculty Name</b>	<b>Qualification</b>	<b>Experience</b>	<b>Specialization</b>
Mr. Harpal	B.Tech, M.Tech	2 months	Wireless Communication (Adhoc Network)

### 4. Student Strength Year Wise

<b>Year</b>	<b>Male</b>	<b>Female</b>	<b>From Punjab</b>	<b>From Himachal</b>	<b>From J&amp; K</b>	<b>From Others States</b>
2 <sup>nd</sup> year	55	23	63	03	6	6
3 <sup>rd</sup> Year	166	30	160	7	12	11
4 <sup>th</sup> Year	125	42	147	0	4	16

### 5. PTU Examination Results

#### 3<sup>rd</sup> Sem. Result ( Batch 2012-16)

<b>Sr. No.</b>	<b>Subject Name</b>	<b>Subject Code</b>	<b>No. of Students Appeared</b>	<b>Pass%</b>
1	Engg. Mathematics - III	BTAM- 301	78	70.51
2	OOPS	BTCS- 305	78	74.35
3	Analog Devices & Circuits	BTEC-301	78	80.76
4	DCLD	BTEC-302	78	83.33
5	NAS	BTEC- 303	78	65.38



**4<sup>th</sup> Sem Result (Batch 2012-16)**

Sr. No.	Subject Name	Subject Code	No. of Students Appeared	Pass%
1	Analog Communication System	BTEC-401	191	87.43
2	Signal & System	BTEC-402	191	97.38
3	EMFT & Antenna	BTEC-403	191	94.24
4	EMI	BTEC-404	191	96.85
5	PWSS	BTEC-405	191	98.42
6	LCS	BTEE-402	191	91.62

**5<sup>th</sup> Sem Result (Batch 2011- 15)**

Sr. No.	Subject Name	Subject Code	No. of Students Appeared	Pass%
1	Data Structure	BTCS- 304	194	90.20
2	Digital Communication System	BTEC-501	194	94.84
3	Digital Signal processing	BTEC-502	194	93.29
4	Linear Integrated Circuit	BTEC-503	194	96.39
5	Microcontroller & Microprocessor	BTEC-504	194	95.87

**6<sup>th</sup> Sem Result (Batch 2011- 15)**

Sr. No.	Subject Name	Subject Code	No. of Students Appeared	Pass%
1	Operating System	BTCS-401	212	95.75
2	Microwave & Radar Engg.	BTEC-601	212	91.03
3	Wireless Communication System	BTEC-602	212	93.39
4	Engg. Economics & Industrial Management	BTEC-603	212	89.15
5	VLSI Design	BTEC-604	212	75.94
6	Digital System Design	BTEC-904	212	97.64

**7<sup>th</sup> Sem Result (Batch 2011-15)**

Sr. No.	Subject Name	Subject Code	No. of Students Appeared	Pass%
1	Computer Network	BTEC-403	64	96.87
2	Embedded System	BTEC-701	64	100
3	Optical Communication	BTEC-702	64	96.87
4	Satellite Communication	BTEC-910	64	96.87
5	Wireless Sensor Network	BTEC-920	64	100

**8<sup>th</sup> Sem Result**

Sr. No.	Subject Name	Subject Code	No. of Students Appeared	Pass%
1	Computer Network	CS-402	141	98.58
2	Wireless Communication	DE-2.2	141	97.16
3	Optical Communication	EC-404	141	89.36
4	Satellite Communication	EC-404	141	98.58
5	VLSI Design Tech	EC-406	141	98.58

**b. Merit positions/Marks in the final Examinations  
May 2014**

Class/Sem	No. of students having more than 75% marks	No. of students having more than 80% marks
4 <sup>th</sup> sem	19	13
6 <sup>th</sup> Sem	17	12
8 <sup>th</sup> Sem	40	50

**Dec. 2014**

Class/Sem	No. of students having more than 75% marks	No. of students having more than 80% marks
7 <sup>th</sup> sem	55	70
5 <sup>th</sup> Sem	29	32
3 <sup>rd</sup> sem	15	9

**6. Placements  
Batch 2011- 2014**

Sr. No	Name of Company/ Organization	No of Students Placed	Package Offered
1.	EClerx	7	1.80 lacs
2.	Ericsson	7	2.70 lacs
3.	Mphasis	1	2.5 lacs
4.	Collabera	2	2.20 lacs
5.	UNISys	1	2.90 lacs
6.	Hewlett- Packard india sales pvt ltd	1	3.20 lacs
7.	IBM	1	2.60 lacs
8.	AON- Hewitt	1	2.60 lacs
9.	HCL	4	3.50 lacs
10.	US Tech Solutions	2	1.86 LPA

**7. Students Activities and achievements  
a. Sports**

Sr. No	Name of Student	Event	Position Obtained
1	Vipul	Shotput	2 <sup>nd</sup>
2	Sukhchain Singh Sohal	Long jump	3 <sup>rd</sup>
3	Munish, Sukhchain Singh Sohal, Aditiya, Watandeep	Relay 4x 400	1 <sup>st</sup>
4	Kajal	Javelin Throw	1 <sup>st</sup>
5	Nitika	Javelin Throw	2 <sup>nd</sup>
6	Manpreet Kaur	Shotput	2 <sup>nd</sup>
7	Veerpal Kaur	Shotput	3 <sup>rd</sup>
8	Shalini	Race 800 m	2 <sup>nd</sup>
9	Harpreet Kaur	Race 800 m	3 <sup>rd</sup>
10	Shalini	Race 400 m	2 <sup>nd</sup>
11	Shalini, Sheetal, Harpreet , Diwanshi	Relay 4x 100	2 <sup>nd</sup>
12	Suman, Amanjot, Harpreet, Shalini	Relay 4x 400	2 <sup>nd</sup>

**b. Social Curricular/co-curricular Activities**

Sr. No	Name of Student	Event	Position Obtained	Date
1	Harpreet Singh	Mental Mettle	3 <sup>rd</sup>	30/3/2015
2	Siddharth Sharma	Extempore	2 <sup>nd</sup>	20/3/2015
3	Bhaumik Sharma	Aptitude	2 <sup>nd</sup>	25/3/2015
4	Sailesh Behal	Aptitude	3 <sup>rd</sup>	25/3/2015
5	Sheetal Singh	Penpower PPT	1 <sup>st</sup>	25/3/2015
6	Sheetal Singh	Collage Making	2 <sup>nd</sup>	25/3/2015
7	Gagandeep Singh	Aptitude	1 <sup>st</sup>	16/3/2015
8	Gagandeep Singh	Aptitude	5 <sup>th</sup>	28/2/2015
9	Mantaj Singh	Recycle Bin	2 <sup>nd</sup>	1/4/2015
10	Mantaj Singh	Robotryst	1 <sup>st</sup>	1/4/2015
11	Mantaj Singh	Electrizion	2 <sup>nd</sup>	20/2/2015
12	Mantaj Singh	War of words	1 <sup>st</sup>	20/2/2015
13	Mantaj Singh	Paradigm	2 <sup>nd</sup>	20/2/2015
14	Danish	Hacking	2 <sup>nd</sup>	1/4/2015
15	Danish	Paradigm	2 <sup>nd</sup>	20/2/2015

**c. Educational Tour/Visits by Students**

- B.Tech ECE 6<sup>th</sup> sem had trip to Chinpurni, H.P., Anandpur Sahib and Naina Devi.
- B.Tech ECE 4<sup>th</sup> sem had trip to Chinpurni, H.P., Anandpur Sahib and Naina Devi

**8. Society Activity****a. Other Activities of the Deptt.**

S No.	Name	Date	National / International
1.	International Conference on Research & Innovations in Engineering & Technology – ICRIET – 2014	19 <sup>th</sup> – 20 <sup>th</sup> December, 2014	International

**International Conference was funded by:**

- ISTE Grant : Rs 100000
- PTU Grant: Rs 33000

**b. ECE Department gets Rs15 Lacs Grant to by AICTE under MODROB Scheme**

AICTE has Provided a grant of INR 15 Lacs wide letter no. -9-292/RFID/MODROB/POLICY-1/2014-15(Pvt.) to Dept. of Electronics & Communication Engineering, Amritsar College of Engineering and Technology, Amritsar (Autonomous College).The grant aims to upgrade the VLSI/DSP Lab with sophisticated and high performance equipments like Xilinx vivado system, Xilinx Zynq-7000 SoC video and imaging kit, Latest FPGA based hardware, Mentor graphics EDA tools etc. meant for undergraduate and post graduate students of the department of ECE.

## 9.

## a. Publication

S. No.	Faculty	Title of the paper	Authors	International / National Conference/ Journals	No. of Publications
1.	Dr. V. K. Banga	<p>1. To remove noise in homogeneous areas from degraded document images using weiner filter algorithm</p> <p>2. Performance evaluation of audio watermarking techniques under various attacks</p> <p>3. A Review of Image Edge Detection</p> <p>4. Resource Allocation models for QoS in Mobile Adhoc networks: A Review</p> <p>5. A Review of the image Degraded Document using Binarization</p> <p>6. Evaluating the Performance of Improved Dark Channel Prior Fog Removal Techniques</p> <p>7. 2*2 MIMO Implementation and BER analysis using USRP</p> <p>8. Detecting Driver Somnolence by Using Neural Networks</p> <p>9. Non Destructive Quality Assessment Of pulses Grain Using Image Analysis</p> <p>10. Co-Operative Spectrum Sensing In Cognitive Radio Networks</p> <p>11. A Study of Space Time Block Coding for MIMO System</p> <p>12. a Review of Vehicular Ad Hoc Networks : Applications, Challenges, Attacks and Security Measures</p>	<p>Anita Rana, Dr. V.K. Banga</p> <p>Sukhwinder Kaur, Dr. V.K. Banga</p> <p>Gurpreet Kaur, Dr. V.K. Banga</p> <p>Sachin Khurana Dr. V.K. Banga</p> <p>Anita Rana Dr. V.K. Banga</p> <p>Rajbir Kaur, Dr. V.K. Banga</p> <p>Gundeep Singh, Dr. V.K. Banga</p> <p>Satish Pawar, Sonali Rajput, Dr. V.K. Banga Jaspreet Kaur,</p> <p>Dr. V.K. Banga</p> <p>Prabhjeet Kaur, Dr. V.K. Banga</p> <p>Gundeep Singh, Dr. V.K. Banga</p> <p>Harpreet Singh, Govind Sood , Dr.Tanupreet Singh</p>	<p>International Conference On Research Innovations In Engineering &amp; Technology ( ICRIET)</p> <p>ICRIET</p> <p>ICRIET</p> <p>ICRIET</p> <p>ICRIET</p> <p>ICRIET</p> <p>ICRIET</p> <p>ACBS 2014</p> <p>ACBS 2014</p> <p>ACBS 2014</p> <p>ACBS 2014</p>	12
2.	Dr. Tanupreet	<p>1. Performance analysis of AODV,DSDV, AND ZRV Routing protocols under Blackhole attack in Mobile Ad Hoc Networks-A Review</p> <p>2. A survey on Detection and</p>	<p>Jasmeen Kaur, Dr. Tanupreet Singh</p> <p>Kanwalpreet Kaur,</p>	<p>ICRIET</p> <p>ICRIET</p>	12

		<p>Replacement of Faulty Nodes in wireless sensor networks</p> <p>3. A review on underwater Wireless Sensor Networks</p> <p>4. An evaluation of Data Aggregation Techniques in wireless sensor networks</p> <p>5. Review on lifetime Improvement Of Leach Protocol for WSN</p> <p>6. Comparative Study of Blackhole Attack Detection Schemes – A Review</p> <p>7. A Survey on Various Clustering Techniques in Wireless Sensor Network</p> <p>8. Techniques for Sinkhole Attack Detection in Wireless Sensor Network</p> <p>9. A Review on Cross Layer Design and Signaling Methods in Mobile Adhoc Networks</p> <p>10. A Review on Evaluating the Performance of Routing Protocols in Mobile Adhoc Networks</p> <p>10. a Review on Wormhole Attack In Mobile Adhoc Networks</p> <p>11. A Review on Quality of Service (QoS) In Multicast Routing Protocols in Mobile Adhoc Network</p> <p>12. Performance analysis of Mobile Adhoc Networks under Jellyfish Attack</p>	<p>Dr. Tanupreet Singh]</p> <p>Anudeep Kaur , Dr. Tanupreet Singh</p> <p>Manisha Dhawan, Dr. Tanupreet Singh</p> <p>Gaganjot Kaur, Dr. Tanupreet Singh</p> <p>Jasmeen Kaur,</p> <p>Dr. Tanupreet Singh</p> <p>Simarjeet Kaur, Dr. Tanupreet Singh</p> <p>Harkirat Kaur, Dr. Tanupreet Singh</p> <p>Ramandeep Kaur, Dr. Tanupreet Singh</p> <p>Navneet Kaur, Dr. Tanupreet Singh</p> <p>Shekharan Deep Bindra, Dr. Tanupreet Singh</p> <p>Navjot Kaur, Dr. Tanupreet Singh</p> <p>Arminder Kaur, Dr. Tanupreet Singh</p>	<p>ICRIET</p> <p>ICRIET</p> <p>ICRIET</p> <p>ICRIET</p> <p>ICRIET</p> <p>ICRIET</p> <p>ACBS 2014 ( National Conference On Advancements in Computer &amp; Business Studies ACBS 2014</p> <p>ACBS 2014</p> <p>ACBS 2014</p> <p>ACBS 2014</p>	
3.	Sandeep Kaushal	<p>1. Wimax Classification , Architecture , Fetures and Security</p> <p>2. Detection and Segmentation of Breast Cancer Mass in Mammograms using Image Processing Technique</p>	<p>Sapna Kaur, Sandeep Kaushal</p> <p>Rahul Vohra , Sandeep Kaushal , Jaspinder Singh Sidhu</p>	<p>ICRIET</p> <p>ACBS 2014</p>	02
4.	Gaurav Soni	<p>1. Performance analysis of inter-satellite optical communication systems</p> <p>2. Performance analysis of inter-</p>	<p>Navjot Kaur , Gaurav Soni</p> <p>Navjot Kaur ,</p>	<p>International journal of scientifics research and technology</p> <p>Proceedings of IEEE</p>	11



		<p>satellite optical wireless communication (IsOWC) system at 980 nm and 1550 nm wavelengths,</p> <p>3. Performance Analysis of Free Space Optics Link at Different Data Rates</p> <p>4. Review of Multi Input Multi Output (MIMO) Alamouti's space time block codes</p> <p>5. Review paper of OFDM System</p> <p>6. A review of OFDM Modulation Scheme in Wireless Communication System</p> <p>7. Comparative Analysis of Cognitive Radio System with other Spectrum Sensing Techniques</p> <p>8. A review –WIMAX Standard 802.16 and its architecture</p> <p>9. A Review - Analysis of Atmospheric Effects on Free Space Optics</p> <p>10. Performance Analysis of Inter Satellite Optical Wireless Communication (IsOWC) System</p>	<p>Gaurav Soni</p> <p>Gaurav Soni, Dr. V.K banga Gurpreet Kaur,</p> <p>Gaurav Soni Navdeep Kaur, Ghriti Khanna, Gaurav Soni</p> <p>Gagandeep Kaur, Tania Sharma , Gaurav Soni Poonam, Preet Kaur, Gaurav Soni</p> <p>Ghriti Khanna , Navdeep Kaur, Gaurav Soni</p> <p>Jasmeen Kaur, Gaurav Soni</p> <p>Navjot Kaur , Gaurav Soni</p> <p>Rupinderjeet Kaur , Gaurav Soni</p>	<p>2014</p> <p>Proceedings of IEEE 2014 ICRIET</p> <p>ICRIET</p> <p>ICRIET</p> <p>ICRIET</p> <p>ICRIET</p> <p>ICRIET</p> <p>ACBS 2014</p> <p>ICRIET</p>	
5.	Guneet	<p>1. A Review On Wireless Mobile Technologies</p> <p>2. Weapon Detection in Human Body Using DWT Image Fusion</p> <p>3. Classification of Image based on Fuzzy Logic using Fuzzy Inference System</p> <p>4. Review on Hybrid Wireless - Optical Broadband - Access Network (WOBAN)</p> <p>5. Evolution of Computer from Personal to Cloud with Security Issues</p> <p>6. Animatronics : A New Dawn In Animation</p>	<p>Harsimranjeet Singh, Jagroop Singh, Guneet Kaur</p> <p>Navpreet Singh, Sandeep Kaushal, Guneet Kaur Manpreet Kaur, Guneet Kaur</p> <p>Jaskaran Singh, Guneet Kaur</p> <p>Harminder Singh, Guneet Kaur</p> <p>Guneet Kaur, Harminder Singh</p>	<p>ICRIET</p> <p>ICRIET</p> <p>ICRIET</p> <p>ICRIET</p> <p>ICRIET</p> <p>ICRIET</p>	06
6.	Atul Mahajan	<p>1. Security Issues with possible solutions of WIMAX : A Review</p>	<p>Kanwaljit Kaur, Atul Mahajan</p>	<p>ICRIET</p>	07

		<p>2. Comparison Between 4G and 5 G on the basis of wireless communication</p> <p>3. Threats on CDMA Security Issues</p> <p>4. 4G Wireless networks: Opportunities, Challenges and Unveiling Security Issues</p> <p>5. Wavelength –Division Multiplexing in Optical Transmission</p> <p>6. Optical Fibre: Transmission and Impairment with Reconfigurable Optical Add/ Drop Multiplexer Technique</p> <p>7. Implementation of MANET Network Using Various Routing Protocols</p>	<p>Navalpreet Kaur, Atul Mahajan</p> <p>Maninderjeet Kaur, Atul Mahajan</p> <p>Amritpreet Kaur , Atul Mahajan</p> <p>Harminder Singh, Bikramjeet Singh , Atul Mahajan</p> <p>Atul Mahajan, Harminder Singh</p> <p>Harminder Singh , Atul Mahajan</p>	<p>ICRIET</p> <p>ICRIET</p> <p>ICRIET</p> <p>ICRIET</p> <p>ICRIET</p>	
7.	Reetu Pathania	Space Diversity (MIMO System) with OFDM Wireless System	Reetu, Jagdeep Singh Aulakh	ICRIET	01
8.	Jagdeep Singh Aulakh	<p>1. A review for implementation of 4G using optical fibre</p> <p>2. WIMAX In Rural Area</p> <p>3. Jagdeep Singh Aulakh, Reetu Pathania</p>	<p>Jagdeep Singh aulakh, Gagandeep Singh, Harpreet Singh, Jasmeen Arora</p> <p>Jagdeep Singh aulakh, Pankaj Sharma</p> <p>Space Diversity (MIMO System) with OFDM Wireless System</p>	<p>ICRIET</p> <p>ICRIET</p> <p>ICRIET</p>	03
9	Akhil Bhatia	A Review paper to Carrier to Noise Ratio Performance for SSB Signal In Radio Over Fibre System	Akhil Bhatia, Sonu Kumar	ICRIET	01
10	Gurjeet Singh	<p>1. Wireless Brain Computer Interface for electric wheelchair with EEG</p> <p>2. New “ErSb Nnaocompound Semiconductor” at Infrared and Terahertz RANGES AND Graphene “SPASER” NanoLaser</p> <p>3. Mobile Adhoc Networking: Imperatives and challenges</p>	<p>Priyanka Verma, Gurjeet Singh, Ruhi Mahajan</p> <p>Vishal Sharma, Gurjeet Singh</p> <p>Gurjeet Singh, Avtaar Singh</p>	<p>ICRIET</p> <p>ICRIET</p> <p>ICRIET</p>	03
11	Satish	Detecting Driver Somnolence by Using Neural Networks	Satish Pawar, Sonali Rajput, V.K. Banga	ICRIET	01

**b. Guest Lecture/Workshop/FDP**

<b>S No.</b>	<b>Title</b>	<b>Name of Activity</b>	<b>Expert</b>	<b>Date</b>
1.	Optical Communication	Guest Lecture	Dr. Jaswinder Singh	10 <sup>th</sup> March, 2014
2.	Synthetic Aperture Radar Data For Land Cover Classification And Soil Moisture Studies	Guest Lecture	Dr. Rishi Prakash	10 <sup>th</sup> March, 2014
3	Bio Electromagnetism	Guest Lecture	Dr. S.S Pattnayak	6 <sup>th</sup> October, 2014
4	Optical System And Networks	Guest Lecture	Dr.Anu Sheetal	14 <sup>th</sup> October, 2014
5	Challenges To Study Lunar Surface Using Mini-SAR Data of Chandrayaan-1: Mission Moon of India	Guest Lecture	Dr.Dharmendra Singh	17 <sup>th</sup> October, 2014
6	Critical National Infrastructure Protection-Scada Security	Guest Lecture	Dr. Harish Kumar	11 <sup>th</sup> February, 2015
7	Ready For Vuca World	Guest Lecture	Mr. Lokesh Mehra	18 <sup>th</sup> February, 2015
8	Embedded System-Arduino And Raspberry	Guest Lecture	Mr. Narindra Baabu	18 <sup>th</sup> February, 2015
9	Analog System Design Based On Texas Instruments	Guest Lecture	Mr. Narindra Baabu	25 <sup>th</sup> February, 2014
10	Two days workshop on Labview and USPR 2920	Workshop	Mr. Bittu	19 <sup>th</sup> -20 <sup>th</sup> May, 2014
11.	Two days Workshop on PXI and VST 5644	Workshop	Ms. Apurva	14 <sup>th</sup> Nov, 2014
12.	Certified Practical Workshop On Embedded Product Design Using Microcontroller(Arm)	Workshop		16 <sup>th</sup> Sept., 2014

## 10. Photo Gallery



**A Glimpse of International Conference on Research & Innovations in Engineering & Technology – ICRIET – 2014**



**AICTE has granted Rs 15 lac for the upgradation of Labs in ECE Deptt. under MODROB Scheme**



**Guest Lecture on the topic of "Embedded system-ARDUINO AND RASPBERRY" was held on 18-Feb-2015 in ece deptt.**



**Participation of ECE in ATHLETIC MEET held on 26<sup>th</sup> & 27<sup>th</sup> March, 2015**





**Two days Workshop on PXI and VST 5644**



**Winners of different activites under  
Technotronics Society**



## DEPARTMENT OF INFORMATION TECHNOLOGY

### 1. Introduction about department

The Department of IT offers B.Tech. programme in Information Technology. Ever since its inception in 2002, it has attracted a lot of young talent wanting to make its mark in this field. Recent advancements in the field of Computers and Information Technology, has made this world a global village, with continuous thrust on avenues such as information super highway software development, problem solving techniques and a host of other technologies. Keeping this thing in mind, Department of IT is in the process of designing training and course curriculum which meet these challenges and advancement. A part from regular curriculum the department also offers international certification courses like JAVA, Oracle and CISCO under ideal Engineer Plan that provides edge to students over their peers. Exposing the students to the latest techniques for secure internet access and teaching various investigation and analysis related to cyber-crime the Department boasts of a centre of Excellence in Cyber Security and Cyber Forensic. Also extreme care has been taken to design the syllabi keeping in mind the latest trends and developments. From time to time, IT experts from industry are also invited to deliver lectures to our students and faculty on new technologies. The students are encouraged and assisted to work for live projects of the industry. The department has an excellent team of highly qualified with matching teaching, research and industry experience in their respective field of specialization. Each faculty member is not only a teacher but also acts as a motivator, mentor and guide to the students towards product.

### 2. Brief details or 3 expertise in the deptt. (only add senior faculty members here)

<b>Name</b>	Er. Sandeep Kad
<b>Qualification</b>	M.Tech., PhD Pursing
<b>Total Experience</b>	15
<b>Area of Specialization</b>	Soft Computing and Network Security

#### Expertise in the Department

S. No.	Faculty Name	Qualification	Experience	Specialization
1.	Er. Tejinder Sharma	M.Tech, PhD Pursing	12	Networking and Cloud Computing
2.	Er. Jadgeep Singh	M.Tech., PhD Pursing	13	DBMS and Programming

### 3. Student Strength Year wise with Gender and State Distribution

Year	Male	Female	From Punjab	From Himachal	From J& K	From Others States
1 <sup>st</sup> year	19	17	33	-	1	2
2 <sup>nd</sup> year	16	23	39	-	-	-
3 <sup>rd</sup> year	41	38	76	1	-	2
4 <sup>th</sup> year	39	34	66	1	2	4

#### 4. Final Examinations Results

##### a. Pass %age subject-wise (May, 2014, Dec., 2014)

<b>B.Tech (IT) 3<sup>rd</sup> Semester</b>	<b>Subject with code</b>	<b>No. of Students Appeared</b>	<b>Pass % age</b>
	BTCS-301 Computer Architecture	39	85
	BTAM-302 Mathematics-III	39	47
	BTCS-303 Digital Circuits & Logic Design	39	77
	BTCS-304 Data Structure	39	90
	BTCS-305 Object Oriented Programming using C++	39	80
	BTCS-306 Data Structures Lab	39	100
	BTCS-307 Institutional Practical Training	39	100
	BTCS-308 Digital Circuits & Logic Design Lab	39	100
	BTCS-309 Object Oriented Programming using C++ lab	39	100
<b>B.Tech (IT) IV Semester</b>	<b>Subject with Code</b>	<b>No. of Students Appeared</b>	<b>Pass % age</b>
	BTCS-401 Operating System	77	94
	BTCS-402 Discrete Structure	77	99
	BTCS-403 Computer Network	77	67
	BTCS-405 System Programming	77	82
	BTCS-404 Microprocessor& Assembly Language Programming	77	95
	BTCS-406 Operating System Lab	77	99
	BTCS-407 Computer Network Lab	77	99
	BTCS-408 Microprocessor& Assembly Language Programming Lab	77	99
	BTCS-409 System Programming Lab	77	99
	General Fitness	77	99
<b>B.Tech (IT) V Semester</b>	<b>Subject with code</b>	<b>No of Students Appeared</b>	<b>Pass % age</b>
	BTIT-501 System Analysis and Design	78	86
	BTIT-502 Programming in java	78	82
	BTCS-501 Computer Networks –II	78	97
	BTIT-503 Database Management Systems	78	94
	BTIT-504 Cyber Laws and IPR	78	91
	BTIT-505 Database Management Systems Lab	78	100
	BTIT-506 Programming in Java Lab	78	100
	BTCS-507 Computer Networks –II Lab	78	100
	BTIT-507 Industrial Training	78	100
<b>B.Tech (IT) VI Semester</b>	<b>Subject with code</b>	<b>No. of Students Appeared</b>	<b>Pass % age</b>
	BTCS-603 Software Engineering	73	93
	BTCS-606 Software Engineering Lab	73	98
	BTCS-912 Cloud Computing	73	92
	BTIT-601 Network Programming	73	76
	BTIT-602 Information Security and Risk Management	73	96
	BTIT-603 Web Technologies	73	89
	BTIT-604 Network Programming Lab	73	99
	BTCS-605 Web Technologies Lab	73	98

	General fitness	73	100
<b>B.Tech (IT) VII Semester</b>	<b>Subject with code</b>	<b>No. of Students Appeared</b>	<b>Pass % age</b>
	BTIT-701 Building Enterprise Applications	73	86
	BTIT-702 Software Project Management	73	82
	BTIT-904 Theory of Computation	73	97
	BTIT-905 Modeling and Simulation	73	94
	BTIT-703 Project	73	91
	BTIT-704 Building Enterprise Applications Lab	73	100
	General Fitness	73	100
<b>B.Tech (IT) VIII Semester</b>	<b>Subject name</b>	<b>No. of Students Appeared</b>	<b>Pass % age</b>
	Industrial training	75	100%

### University Toppers

May 2014

Class/Sem	Name	Position
<b>B.Tech(IT) 4<sup>th</sup> Sem</b>	Ranjodhbir Kaur	2 <sup>nd</sup>
<b>B.Tech(IT) 4<sup>th</sup> Sem</b>	Jyoti	8 <sup>th</sup>

### Merit positions/Marks in the final Examinations

May 2014

Class/Sem	No. of students having >75% marks	No. of students having >80% marks
<b>B.Tech(IT) 4<sup>th</sup> Sem</b>	06	09
<b>B.Tech(IT) 6<sup>th</sup> Sem</b>	09	02
<b>B.Tech(IT) 8<sup>th</sup> Sem</b>	<b>08</b>	<b>62</b>

Dec. 2014

Class/Sem	No. of students having more than 75% marks	No. of students having more than 80% marks
<b>B.Tech(IT) 3<sup>rd</sup> Sem</b>	05	-
<b>B.Tech(IT) 5<sup>th</sup> Sem</b>	07	03
<b>B.Tech(IT) 7<sup>th</sup> Sem</b>	16	10

### 5. Placements

Batch 2010- 2014

Name of Company	No. of Students Placed	Package Offered
Aon	6	2.8 Lacs.
Unisys	3	2.9 Lacs.
Csc India pvt. Ltd.	1	3.4 Lacs
Tech Mahindra	1	2.12 Lacs
Eclarks	1	3.Lacs
Sopra	1	3.5 Lacs
Interglobe Tech.	1	1.8 Lacs

## 6. Students Activities and achievements

### a. Sports:-(2014-2015)

Sr. No	Name of Student	Event	Position Obtained
1	Manjinder Singh	Javelin Throw	2 <sup>nd</sup>
2	Pawanbir Kaur	Discuss Throw	2 <sup>nd</sup>
3	Pawanbir Kaur	Shortputt	3 <sup>rd</sup>
4	Shweta Chopra Harpreet Kaur Pawanbir Kaur Jyoti Sharma	4*400m Relay Race	3 <sup>rd</sup>
5	Manjinder Singh	Shortputt	3 <sup>rd</sup>

### b. Social Curricular Activities

Sr. No	Name of Student	Event
1.	Abhivatsal	Prayaas
2.	Harpreet Kaur	Prayaas
3.	Krit Kaur	Prayaas
4.	Divyani	Prayaas
5.	Ranjodh bir kaur	Prayaas
6.	Rajanpreet kaur	Prayaas
7.	Navjot Kaur	Prayaas
8.	Sakshi Sehdev	Prayaas
9.	Sarthak	NSS
10.	Karampal Sharma	NSS
11.	Sarb	NSS
12.	Ashish	NSS
13.	Ajay Kumar	NSS
14.	Rajeev	NSS
15.	Arshdeep Kaur	NSS
16.	Avneet Kaur	NSS
17.	Nacherdeep Kaur	NSS
18.	Neha	NSS
19.	Nikhil Mahajan	NSS

### c. Educational Tour/Visits by Students

Class	Date of Tour	Place of Visit
B.Tech (IT) – 3 <sup>rd</sup>	14/06/2014	Science City, Kapurthala
B.Tech (IT) – 5 <sup>th</sup>	20/09/2014	Chintpurni
B.Tech (IT) – 7 <sup>th</sup>	18/10/2014	Chintpurni

## 7. Society Activity

### a. Other Activities

#### ZAHANAT –8

Sr. No.	Date of Conduct	Events	No. of Participants	Winner
1.	10-14 Aug'14	Aptitude Test	259	1 <sup>st</sup> . Anisha Chopra(cse 2 <sup>nd</sup> sem.) 2 <sup>nd</sup> Shweta Sharma (cse 7 <sup>th</sup> sem.) 3 <sup>rd</sup> Bhupinder Singh (ce.5 <sup>th</sup> sem.)
		Group Discussion		1 <sup>st</sup> Ankit Sharma (CE 3 <sup>rd</sup> Sem.) 2 <sup>nd</sup> Sidharth Khanna (ECE 5 <sup>th</sup> Sem.) 3 <sup>rd</sup> Vipul Raj Nikumbh (ME 5 <sup>th</sup> Sem.)

#### ZAHANAT –9

Sr. No.	Date of Conduct	Events	No. of Participants	Winner
1.	March 10 <sup>th</sup> & 11 <sup>th</sup> 2015	Aptitude Test	300	1 <sup>st</sup> Gagandeep Singh ( CSE 4 <sup>th</sup> Sem. 2 <sup>nd</sup> Karan Kumar( CSE 8 <sup>th</sup> Sem.) 3 <sup>rd</sup> Arushi Verma (ECE 8 <sup>th</sup> Sem.)
		Group Discussion		1 <sup>st</sup> Aayman Nisar (CE 6 <sup>th</sup> Sem.) 2 <sup>nd</sup> Gautam Mahajan (CSE 8 <sup>th</sup> Sem.) 3 <sup>rd</sup> Vipul Raj Nikumbh (ME6 <sup>th</sup> Sem.)
		Programming		1 <sup>st</sup> .Karanbir Singh(CSE 4thsem.) 2 <sup>nd</sup> Kanika (CSE 4 <sup>th</sup> Sem.) 3 <sup>rd</sup> Gurpreet Singh (CSE 8 <sup>th</sup> Sem.)

### b. Guest Lecture/Workshop/FDP

#### Guest Lecture

S No.	Topic	Resource Person	Date
1.	Cloud Computing	Dr. Himanshu Aggarwal	12/03/2014
2.	Social Media, Mobility, Analytics & Cloud Computing	Dr. Sarabjeet Singh	06/10/2014
3.	Ethical Hacking & Security Solution	Mr. Rishi Kant	26/09/2014
4.	Image Processing	Dr. Renu Dhir	06/02/2015
5.	Mobility, Analytics & Cloud Computing	Mr. Amandeep Singh Virdi	18/03/2015
6.	Physical Layer & its Specification	Dr. Anil Kumar	24/03/2015
7.	Mobile Cloud Computing	Dr. Sakshi Kaushal	30/3/2015



**FDP**

<b>Sr.No.</b>	<b>Name</b>	<b>Topic</b>	<b>Venue</b>	<b>Date</b>
1.	Er.Sandeep Kad	Optimization and Security in Information and Computing Technology	ACET,Amritsar	1 <sup>st</sup> -5 <sup>th</sup> June,2015
2.	Er.Tejinder Sharma	Optimization and Security in Information and Computing Technology	ACET,Amritsar	1 <sup>st</sup> -5 <sup>th</sup> June,2015
3.	Er.Jagdeep Singh	Optimization and Security in Information and Computing Technology	ACET,Amritsar	1 <sup>st</sup> -5 <sup>th</sup> June,2015
4.	Er.Parambir Singh	Optimization and Security in Information and Computing Technology	ACET,Amritsar	1 <sup>st</sup> -5 <sup>th</sup> June,2015
5.	Er.Amritpal Singh	Optimization and Security in Information and Computing Technology	ACET,Amritsar	1 <sup>st</sup> -5 <sup>th</sup> June,2015

**Workshop**

<b>Sr.No</b>	<b>Name</b>	<b>Topic</b>	<b>Venue</b>	<b>Date</b>
1.	Er.Sandeep Kad	Cyber Security and Ethical Hacking	ACET,Amritsar	10 <sup>th</sup> -14 <sup>th</sup> Feb,2015
2.	Er.Parambir Singh	Cyber Security and Ethical Hacking	ACET,Amritsar	10 <sup>th</sup> -14 <sup>th</sup> Feb,2015
3.	Er.Neha	Cyber Security and Ethical Hacking	ACET,Amritsar	10 <sup>th</sup> -14 <sup>th</sup> Feb,2015
4.	Er.Sandeep Kad	Big Data Analytics	ACET,Amritsar	25 <sup>th</sup> -27 <sup>th</sup> Sept'2014
5.	Er.Tejinder Sharma	Big Data Analytics	ACET,Amritsar	25 <sup>th</sup> -27 <sup>th</sup> Sept'2014
6.	Er.Jagdeep Singh	Big Data Analytics	ACET,Amritsar	25 <sup>th</sup> -27 <sup>th</sup> Sept'2014

## 9. Photo Gallery



**ZAHANAT 8**



**ZAHANAT 9**



**FAREWELL 2011-2015(Batch)**





**Workshop on Cyber Security and Ethical Hacking**



**FDP on Optimization and Security in Information and Computing Technology**



**Guest lecture by Dr. Sarabjit singh (Associate prof. Panjab University Chandigarh)**



**Guest lecture by Dr. Sakshi kaushal (Associate Prof. Panjab University Chandigarh)**



**ANNUAL ATHLETIC MEET 2015**

## DEPARTMENT OF MECHANICAL ENGINEERING

### 1. Introduction about Department

The NBA accredited (highest level of accreditation achieved by any department of engineering), Department of Mechanical Engineering was commissioned in year 2002 in ACET. Offering 4 years intense B.Tech program, the intake is limited to 180 students where faculty can give personalized attention to all the students. We aim to develop leaders of tomorrow and delve into research to address major technological hurdles. Our state of the art laboratories don't just cater to the undergraduate curriculum but also support research in other interdisciplinary areas. Being autonomous institute our curriculum has been designed in a way to fill the gap between class room knowledge and actual industry norms. We ensure that our students pass out to face the challenges of real world which includes a thorough understanding of the environmental, socio-economic, regulatory and ethical issues associated to the engineering profession. The apt combination of research and industry-led courses is ultimately resulting in shaping the industry leaders out of our students.

### 2. HOD brief details

Name	Dr. Gaurav Tejpal
Qualification	PhD
Designation	Professor
Total Experience	15 years
Area of Specialization	Supply Chain Management, Non-Conventional Machining, Thermodynamics

### Expertise in the Department

Sr.No	Name	Qualification	Experience	Specialization
2	Dr.S.B.S Kalsi	PhD	15 years	Surface Engineering
3	Vikas Rattan	M-Tech	15.5 years	Quality Improvement Techniques
4	P.S Pannu	M-Tech	10 years	Non Traditional Machining Processes
5	Amandeep Singh	M.S	10.5 years	Aerospace Engineering
6	Amandeep Sharma	M.E	4 years	MEMS(Micro electro Mechanical
7	Amrinder Singh	M.E	5 years	CAD/CAM & Robotics
8	Sumit Singh	M-Tech	6.5 years	Surface Engineering
9	Daljeet Singh	M-Tech	5 years	Composites
10	Atul Agnihotri	M-Tech	6.5 years	Mechanical

### 3. New Joining (Faculty) in the Department

S. No.	Name	Designation	Qualification	University	Experience	Date of Joining
1.	Satnam Singh	AP	M-Tech	PTU	3years	14/07/2014
2.	Dr.Sukhraj Singh	AP	P.hd	PEC	10years	01/07/2014

4. Student strength Year wise with Gender and State Distribution

Year	Male	Female	From Punjab	From Himachal	From J&K	From other States
2 <sup>nd</sup> Year	168	01	159	03	03	04
3 <sup>rd</sup> Year	139	00	130	01	06	02
4 <sup>th</sup> Year	146	00	136	02	04	04

5. PTU Examinations Results

a. Pass %age May 2013

B.Tech (ME) 3 <sup>rd</sup> Sem	Subjects	No of Student Appeared	Pass %age
	SOM 1	148	63
	TOM 1	149	84
	M/C DRAWING	152	81
	AT 1	152	76
	MP 1	152	86
	EMM	141	89
B.Tech (ME) 5 <sup>th</sup> Sem	Subjects	No of Student Appeared	Pass %age
	Mathematics-III	136	81
	MD	136	92
	CAD/CAM	137	99
	MMM	136	100
	IAR	137	100
	AE	137	97
B.Tech (ME) 7 <sup>th</sup> Sem	Subjects	No of Student Appeared	Pass %age
	IEM	84	100
	RAC	84	100
	MV	84	99
	MTD	84	100
	OR	84	98

b. Pass %age subject-wise (May, 2014)

B.Tech (ME) 4 <sup>th</sup> Sem	Subjects	No of Student Appeared	Pass %age
	SOM II	137	84
	TOM II	135	87
	FM	136	80
	AT II	137	81
	MP II	135	80
B.Tech (ME) 6 <sup>th</sup> Sem	Subjects	No of Student Appeared	Pass %age
	FLUID M/C	139	89
	MD II	138	82
	NM	139	84
	HT	140	86
	PDD	136	91
B.Tech (ME) 8 <sup>th</sup> Sem	Subjects	No of Student Appeared	Pass %age
	NTM	68	98
	HRM	68	98
	ISE	68	91
	CAD/CAM	68	98



	OR	68	97
	MV	68	98

**c. Merit positions/Marks in the final Examinations:-**

**May 2014**

Class/Sem	No. of students having more than 75%	No. of students having more than 80%
4 <sup>th</sup> Sem	85	17
6 <sup>th</sup> Sem	58	13
8 <sup>th</sup> Sem	38	9

**Dec. 2014**

Class/Sem	No. of students having more than 75%	No. of students having more than 80%
3 <sup>rd</sup> Sem	9	4
5 <sup>th</sup> Sem	26	14
7 <sup>th</sup> Sem	7	2

**6. Placements**

**Batch 2011- 2014**

Sr. No	Name of Company	No of Students Placed	Package Offered
1.	Michigan Tyres	9	2.00 lacs
2.	Inter Globe Technologies	1	1.56 lacs
3.	Taj Hotels	2	3.80 lacs
4.	Jaeco Rebuild	2	2.50 lacs
5.	ETA Engineering Pvt. Ltd.	1	2.50 lacs
6.	Minda Corporation Ltd.	1	2.50 lacs

**7. Students Activities and Achievements:**

**a. Social Curricular/Co-curricular Activities:-**

●PTU sponsored National Level Seminar on “Six Sigma” was organized on 24<sup>th</sup> January, 2014. The lecture was delivered by Sh. B.Kumar (Add. GM), BHEL, Haridwar and Mr Sachin Wadhwa from Coca Cola Gurgaon.

●A Guest Lecture on “Introduction to Cutting Edge Automotive Electronics Tehnology” was organized on 11<sup>th</sup> Feburary, 2014. The lecture was delivered by Sh.Yogesh Kalia from Medhavi Centre Hoshiarpur.

●Two Days Workshop on RC Aircraft Design, Fabrication and Flying was organized by Department of Mechanical Engineering on 5-6<sup>th</sup> March, 2014.

● Establishment of Centre of Excellence in Robotics and Industrial Automation on 24<sup>th</sup> February 2014 and commencement of training of 35 students on Robotics and Industrial Automation .

● Establishment of Centre of Excellence in Advanced Automobile Engineering on 14<sup>th</sup> July 2014.’

**b. Educational and Industrial Visits**

Industrial visit				
S.No.	Name of Industry	Branh	Date of Visit	No. of students
1	GNDTP, Bathinda	Mechanical	9/7/2014	45
2	GNDTP, Bathinda	Mechanical	27/02/2015	60
3	Wave Beverages, Amritsar	Mechanical	4/3/2015	36
4	International tractor Ltd., Hoshiarpur	Mechanical	5/3/2015	40
5	Ranjit Sagar Dam. Shahpur Kandi	Mechanical	31/03/2015	68

**8. Society Activities: MEFF organized various activites**

1. A Guest Lecture on “Introduction to Cutting Edge Automotive Electronics Tehnology” was organized on 11th Feburary, 2014. The lecture was delivered by Sh.Yogesh Kalia from Medhavi Centre Hoshiarpur
2. Seminar on GATE Awareness was organized by Department of Mechanical Engineering on August 27, 2014.
3. Department Of Mechanical Engineering organised "ACET Civil Services Aspirant Forum", in Collaboration With Abhimann's IAS Study Group on September 3, 2014
4. The workshop was conducted by Eureka Electrosoft Solutions Pvt. Ltd on Mechtronics which was organized by Mechanical Department on September 17, 2014
5. Department of Mechanical Engineering organized one day lecture on Powertrain Technology & Advancements, on October 27, 2014.
6. A Guest Lecture was organized by Department of Mechanical Engineering on Refrigeration& Air Conditioning on 4th March ,2015 by Dr Jagdev Singh.
7. A Guest Lecture was organized by Department of Mechanical Engineering on ‘Industrial Scenario in Robotics’ on 18th March ,2015 by Dr H.Kansal
8. A Guest Lecture was organized by Department of Mechanical Engineering on ‘CAD-CAM and Robotics on April 6,2015 ,2015 by Dr Harish Pangotra.
9. A Guest Lecture was organized by Department of Mechanical Engineering on ‘Fluid Mechanics and Hydraulic Machines’ on April 7,2015 ,2015 by Dr Nirmal Singh Kalsi .

## 9. Photo Gallery

### Department of Mechanical Engineering



Dignitaries on the Stage during Inaugural Ceremony



Participants during a session of FDP



Research Scholars/Deligates Presenting their Research papers





**Welcome of the Chief Guest Dr.Naveen Aggarwal**



**Chief Guest Dr. Sushil Kumar during Inaugural ceremony of FDP**



**Students of M.E 8th Semester during Visit to Aeromatrix Chandigarh**



**Mr Yogesh Kalia from Medhavi Centre**



**Students during their training session at Centre of Excellence in Robotics and Industrial Automation**

## DEPARTMENT OF MANAGEMENT STUDIES

### 1. Introduction about department

Founded in the year 2004, Department of Management Studies has since been a centre of learning and development. It has constantly metamorphosing itself to be at the forefront of the evolutionary academic entity on one side and a skilled human resource provider to the corporate world on the other. The Department, through its Two- year full time MBA Programme, serves actively to promote the cause of management education. The department is well equipped with modern methods of teaching aid. FUMES - Future Managers and Entrepreneurs Society is an endeavor of Department of Management Studies to provide a platform to the students to nurture their skills and enable them to communicate their internal and external expression through the mode of various extracurricular activities.

### 2. HOD brief details :

<b>Name</b>	Dr. Maninder Singh Gill
<b>Qualification</b>	PhD
<b>Total Experience</b>	8 years
<b>Area of Specialization</b>	Marketing, Advertising, Celebrity endorsement.

### Expertise in the department

<b>Faculty Name</b>	<b>Qualification</b>	<b>Exp.</b>	<b>Specialization</b>
Ms. Arjinder Kaur	MBA, UGC(NET) qualified, PhD Pursing	11 Years	Marketing
Mr. Harsh Aggarwal	MBA	10 Years	Marketing

### 3. New joining (faculty) in the deptt

<b>Sr. No.</b>	<b>Name</b>	<b>Designation</b>	<b>Qualification</b>	<b>Experience</b>	<b>Date of joining</b>
1	Ms. Hansdeep Kaur	AP	B.Tech, MBA	1.6 Years	14/1/15
2	Mr. Gagandeep Singh Gill	AP	B.Tech, MBA	1 Year	19/1/15

### 4. Student Strength Year wise with Gender and State Distribution.

<b>Year</b>	<b>Male</b>	<b>Female</b>	<b>From Punjab</b>	<b>From Himachal</b>	<b>From J&amp; K</b>	<b>From Others States</b>
1 <sup>st</sup> year	19	39	57	1	-	-
2 <sup>nd</sup> year	19	20	38	1	-	-



## 5. Final Examinations Results

### a. Pass %age subject-wise (May, 2014, Dec., 2014)

<b>MBA 2<sup>nd</sup> Sem May 2014</b>	<b>Subjects</b>	<b>No of Student Appeared</b>	<b>Pass %age</b>
	MBA 201 Business Environment	39	100%
	MBA 202 Production and Operation Management	39	100%
	MBA 203 Human Resource Management	39	100%
	MBA 204 Marketing Management	38	97%
	MBA 205 Financial Management	38	92%
	MBA 206 Research Methodology	38	100%
	HVPE 101 Human Values and Professional Ethics	39	100%
<b>MBA 4<sup>th</sup> Sem May 2014</b>	<b>Subjects</b>	<b>No of Student Appeared</b>	<b>Pass %age</b>
	MBA 401 Strategic management	57	100%
	MBA 402 Entrepreneurship and Managing Small Medium Business	57	100%
	MBA 906 Service Marketing	57	100%
	MBA 907 International Marketing	57	100%
	MBA 926 International Finance	57	100%
	MBA 927 Banking and Insurance Operations	57	100%
	MBA 966 Organization Development	57	100%
	MBA967 International Human Resource Management	57	100%
<b>MBA 1<sup>st</sup> Sem Dec 2014</b>	<b>Subjects</b>	<b>No of Student Appeared</b>	<b>Pass %age</b>
	MBA-101 Principles and Practices of Management	57	98%
	MBA-102 Organizational Behaviour	57	100%
	MBA-103 Accounting for Management	57	98%
	MBA 104 Quantitative Techniques	57	92%
	MBA 105 Managerial Economics	57	98%
	MBA 106 Business Communication	57	100%
	MBA 107 Information Technology for Management	57	98%
<b>MBA 3<sup>rd</sup> Sem Dec 2014</b>	<b>Subjects</b>	<b>No of Student Appeared</b>	<b>Pass %age</b>
	MBA-301 Applied Operations Research	39	100%
	MBA-302 Corporate Lega Environment	39	100%
	MBA-901 Consumer Behaviour	39	100%
	MBA-902 Advertising Management	39	100%
	MBA 921 Security Analysis and Portfolio Management	39	100%
	MBA-922 Management of Financial Services	39	100%
	MBA-961 Social Security & Labour Welfare	39	100%
	MBA-962 Training & Development	39	100%

### b. Merit positions/Marks in the final Examinations:-

May 2014

<b>Class/Sem</b>	<b>No. of students having more than 75% marks</b>	<b>No. of students having more than 80% marks</b>
<b>MBA 2<sup>nd</sup></b>	2	11
<b>MBA 4<sup>th</sup></b>	9	24

Dec. 2014

Class/Sem	No. of students having more than 75% marks	No. of students having more than 80% marks
MBA 1 <sup>st</sup>	25	16
MBA 3 <sup>rd</sup>	21	7

## 6. Placements

Batch 2012- 2014

Sr. No	Name of Company/ Organization	No of Students Placed	Package Offered
1.	Finstem India	6	1.80 Lac
2.	Harit Dharaa Projects Ltd.	1	1.80 Lac
3.	Earth Infrastructure Ltd.	4	1.80 Lac
4.	Capital Local Area Bank	3	2.00 Lac

## 7. Students Activities and achievements

### a. Sports

Sr. No	Name of Student	Event	Position Obtained
1	Gagandeep Kaur	200m Race	1 <sup>st</sup>

### b. Social Curricular/co-curricular Activities

S. No.	Activity	Name of Student	Class/ Sem	Position
1	Group Discussion	Simranjeet Singh	MBA/1 <sup>st</sup>	1 <sup>st</sup>
2	Group Discussion	Supreet Kapoor	MBA/3 <sup>rd</sup>	1 <sup>st</sup>
3	Extempore	Satinderpal Singh	MBA/1 <sup>st</sup>	1 <sup>st</sup>
4	Extempore	Sherry Gupta	MBA/3 <sup>rd</sup>	1 <sup>st</sup>
5	Caption Contest	Surbhi	MBA/1 <sup>st</sup>	1 <sup>st</sup>
6	Caption Contest	Gagandeep Shergill	MBA/3 <sup>rd</sup>	1 <sup>st</sup>
7	Role Playing	Satinderpal Singh	MBA/1 <sup>st</sup>	1 <sup>st</sup>
8	Role Playing	Davinder Singh	MBA/3 <sup>rd</sup>	1 <sup>st</sup>
9	Management games	Sonali	MBA/1 <sup>st</sup>	1 <sup>st</sup>
10	Management games	Ruchika Mahajan	MBA/3 <sup>rd</sup>	1 <sup>st</sup>

**c. Educational Tour/Visits by Students**

Sr. No.	Class/Sem	No. of Students	Place	Date
1	MBA/ 3 <sup>rd</sup>	35	Ralson Industries, Ludhiana	26/9/14
2	MBA/4 <sup>th</sup>	32	Anandpur Sahib	21/3/15
3	MBA/ 2 <sup>nd</sup>	50	Anandpur Sahib	21/3/25
4	MBA/ 2 <sup>nd</sup>	52	Coca Cola, Amritsar	20/2/15

**8. Society Activity****a. TRAITS-ESCALATION:** An inter-departmental competition (held on 17/3/15)

Sr. No.	Activity	Name of Student	Class/Sem	Position
1.	Tic-Tac-Toe	Kunal	ME- 4 <sup>th</sup> (M1)	1 <sup>st</sup>
2.	Brand Logo Rangoli	Gaganamrit kaur	CSE-8th	1 <sup>st</sup>
3.	Instant Marketing	Ashish Rai	ME- 5 <sup>th</sup>	1 <sup>st</sup>
4.	Caption Contest	Gurjot Kaur	CSE-6 <sup>th</sup>	1 <sup>st</sup>
5.	Extempore	Sukhwinder Singh	ECE-4 <sup>th</sup>	1 <sup>st</sup>
6.	Mehndi	Anjali	CSE-6 <sup>th</sup>	1 <sup>st</sup>

**b. Mental Mettle:** An inter-College Business quiz competition (held on 30/3/15)

**No. of Teams Participated :** 52

**No. of Colleges Participated :** 9

Position	Name of Team Members	College Name
1 <sup>st</sup>	Chetan Chopra	ACET, Amritsar
	Gaurav Joshi	ACET, Amritsar
2 <sup>nd</sup>	Puneet Gupta	DAV College
	Nilesh Sharma	DAV College
3 <sup>rd</sup>	Akshay Aroa	ACET, Amritsar
	Harpreet Singh Winner	ACET, Amritsar

**c. Guest Lecture/Workshop/FDP**

Sr. No.	Name	Designation	Date of visit	Purpose
1	Mr. Rishi Kochar	Coordinator	23/9/14	To inform various uses of Plastic Money
2	Dr. B.B. Goyal	Professor, UBS, PU chandigarh	16/10/14	Guest lecture on “Strategic Management”.
3	Dr. Budhi Raje	Professor, Indian Institute of Foreign Trade	22/12/14	Guest Lecture on “Foreign Trade”
4	Dr. Tom Palmer	Executive Vice President, Atlas Group	19/1/15	Guest Lecture on “ Pre Economy marketing”
5	Dr. Amarjeet Singh Sidhu	Professor, UBS, GNDU, Amritsar	30/4/15	To aware students of future aspects for managers
6	Akshay Malhotra	Corporate Trainee	13/3/15	Guest Lecture on “ Stress Management”

## 9. Photo Gallery



**MBA- 2<sup>nd</sup> SEM visits COCA COLA, Amritsar**



**Bouquet being presented to Mr. Akshay Malhotra by Dignitaries**



**Principal Dr. V. K. Banga viewing Rangoli made by students**



**Student participating in Instant Marketing**



**A glimpse of Mehndi Competition**



**Title holders of Farewell posing with faculty members of the department**





**Dr. Tom Palmer delivering lecture to the students**



**MENTAL METTLE: An inter college business quiz of MBA**



**Trip to Anandpur Sahib**



**A glimpse of exhibition of sketches made by Karandeep Singh – a student of MBA**



## DEPARTMENT OF COMPUTER APPLICATIONS

### 1. Introduction about department

The Department of Computer Applications in Amritsar College of Engineering & Technology was established in the year 2003 with the start of MCA programme. Currently, we are offering full-time 3 years MCA as well as 2 years MCA programme. The department houses state of the art academic infrastructure and is continuously striving to attain excellence in computer skills and inculcating human and social values in the minds of young generations with a view to make them true and responsible professionals ready to face the global challenges.

### 2. HOD brief details or 3 expertise in the deptt.

The department is running under the guidance of Dipti Malhotra. She is having the 11 years of teaching experience. She is pursuing PhD in “Software Engineering” and published enormous papers in the same.

Sr. No	Name	Designation	Qualification	Experience
1	Dipti Malhotra	Asso. Prof. & HOD	MCA	11 Years
2	Simran Thapar	Asso. Prof.	MCA	11 Years

### 3. Student Strength Year wise with Gender and State Distribution

Year	Male	Female	From Punjab	From Himachal	From J& K	From Others States
MCA-1	11	20	31	----	----	----
MCA-3	19	49	68	----	----	----
MCA-5	16	52	68	----	----	----

### 4. Final Examinations Results

#### a. Pass %age subject-wise (May, 2014)

MCA/4 <sup>th</sup> Semester	Subjects	No of Student Appeared	Pass %age
	MCA-401 Data Warehousing & Mining	68	100
	MCA-402 E- Commerce	68	100
	MCA-403 Interactive Computer Graphics	68	100
	MCA-404 Advanced Operating Systems	68	100
	MCA-405 Software Lab- VIII (E- Commerce & Web Application Development)	68	100
	MCA-406 Software Lab- IX (Interactive Computer Graphics )	68	100
	MCA-407 Software Lab X (AOS)	68	100
MCA/2 <sup>nd</sup> Semester	Subjects	No of Student Appeared	Pass %age
	MCA-201 Mathematical Foundations of Computer Science	50	90
	MCA-202 RDBMS	50	100
	MCA-203 Data Structures	50	100
	MCA-204 DCN	50	100
	MCA-205 LOS	50	100
	MCA-206 Software Lab-III (RDBMS)	50	100

	MCA-207 Software Lab-IV (Data Structures)	50	100
	MCA-208 Software Lab-V (Based on LOS)	50	100

**b. Merit positions/Marks in the University Examinations:-**

Merit	Roll No	Name	F.Name	Sem	%age
3	1300645	Nitin Verma	Krishna Lal Verma	2	86.08

**5. Pass %age subject-wise (Dec, 2014)**

	Subjects	No of Student Appeared	Pass %age
<b>MCA/1<sup>st</sup> Semester</b>	MCA-101 Information Management	31	100
	MCA-102 Object Oriented Programming in C++	31	100
	MCA-103 Computer Organization and Assembly Language	31	100
	MCA-104 Accounting & Financial Management	31	97
	MCA-105 Technical Communication	31	100
	MCA-106 Software Lab- I (Information Management)	31	100
	MCA-107 Software Lab –II (Object Oriented Programming in C++)	31	100
	BTHU-102 Communicative English Lab	31	100
<b>MCA/3<sup>rd</sup> Semester</b>	<b>Subjects</b>	<b>No of Student Appeared</b>	<b>Pass %age</b>
	MCA-301 Database Administration	68	100
	MCA-302 CBOM	68	88
	MCA-303 Software Engineering	68	100
	MCA-304 Java Programming	68	98
	MCA-305A System Programming	68	100
	MCA-306 Software Lab-VI [ Database Administration ]	68	100
	MCA-307 Software Lab-VII [Java Programming ]	68	100
<b>MCA/5<sup>th</sup> Semester</b>	MCA-501 Embedded Systems	68	97
	MCA-502 Network Security & Administration	68	98
	MCA-503 Web Technologies	68	98
	MCA-504 Object Oriented Analysis & Design with UML	68	98
	MCA-505 Hardware Lab – I (Embedded Systems)	68	98
	MCA-506 Software Lab –XI (Web Technologies)	68	100
	MCA-507 Software Lab –XII (Object Oriented Analysis and Design with UML)	68	100

**May 2014**

Class/Sem	No. of students having more than 75% marks	No. of students having more than 80% marks
MCA/2	27	8
MCA/4	56	36

Class/Sem	No. of students having more than 75% marks	No. of students having more than 80% marks
MCA/1	7	5
MCA/3	44	29
MCA/5	55	28

## 6. Placements

### Batch 2011- 2014

Sr. No	Name of Company/ Organization	No of Students Placed	Package Offered
1.	AON	3	2.8 LPA
2.	Interglobe Technologies	1	2.5 LPA

## 7. Students Activities and achievements

### Educational Tour/Visits by Students

Sr. No	Place	Date	No. of students
1	Chintpurni Mata	16/08/14	77
2	Science City	07/04/2015	48

## 8. Society Activity

### a. Other Activities of the Deptt.

Sr. No	Event Name	Date
1	Paanch Ka Punch	01/03/2014
2	Placement oriented technical test in C++	29/09/2014
3	Technoholic	09/02/2015
4	Sprint scripting in HTML	17/03/2015

### b. Guest Lecture/Workshop/FDP

Sr. No	Topic	Resource Person	Date
1	Advanced software engineering & project management	Dr. Sumeesh Sood	22/01/2015
2	Demystifying Math	Mr.Rishab Gupta	19/01/2015
3	Vulnerability assessment & computer audit	Mr. Anup Girdhar	08/08/2014
4	Embedded systems and their applications using android	EEAST-Mohali	18/09/2014

## 9. Photo Gallery



**One Day Workshop by EEPsL (Mohali)**



**Dr. Anup Girdhar delivering lecture to students**



**Prize distribution function of “Paanch Ka Punch” events**



**Sprint scripting in HTML**



**Farewell Party**







**Technoholic Event**



**Educational trip to Pushpa Gujral Science City, Kapurthala**



**Trip to "Mata Chintpurni Ji"**



## TRAINING & PLACEMENT CELL

### 1. About the Department

ACET Established Training & Placement Department was in July 2004 to assist students to get first job through campus recruitment. Department have big working area with 10 computers with WI-Fi Connection. Placement cell have 10 experienced team members supported by various Department Coordinators.

The Placements Cell of ACET is focused on bridging the Gap between educations institute and cooperates world. Apart from fulfilling the major aim of placing the students: placements Cell is actively involved in counseling the students to choose appropriate career depending upon their aptitude and interest. The students thus work closely with placements cell to find summer internship projects accordingly.

### 2. Hod Breif Details

NAME	MR. RAKESH JAITLEY
Qualification	M.TECH, MCA
Total experience	15 YRS

### 3. PLACEMENT PROFILE- BATCH 2015 (TILL NOW)

Sr. No.	Company Name	Branch	No. of Students
1.	Hewlett-Packard India Sales Pvt Ltd	CSE	6
		ECE	1
		MCA	1
2.	Unisys	IT	3
		CSE	4
		ECE	1
	Earth Infrastructure	MBA	1
	IBM	ECE	1
	Mothersonsumi	ME	1
		CSE	1
	Aon	CSE	8
		ECE	5
		IT	6
		MCA	1
	HCL	CSE	13
		ECE	5
	Collabera	ECE	2
		MBA	1
	Naggaro	CSE	1

	Steria	CSE	5
	Jaeco	M.E	2
	CSC	CSE	1
		IT	1
	Ericsson	CSE	9
		ECE	19
	LG Soft	CSE	1
	Group10	CSE	3
	Eclerx	CSE	4
		ECE	7
		IT	1
	Appirio	CSE	3
	FranConnect	CSE	1
	Indus Tower	EEE	3
	Sopra	IT	1
	Mphasis	ECE	1
	Policy Bazaar	MBA	4
	US Tech Solutions	CSE	2
		ECE	3
	Integlobe	CSE	1
	Talwar & Talwar	ECE	1

### Other Activity

### INDUSTRIAL VISIT

COMPANY	SEMESTER	PLACE OF VISIT
Ralson india	Mba 2 <sup>nd</sup> year	Ludhiana
Coca-cola	Mba 2 semester	Gt road, amritsar



**WORKSHOP / SEMINAR/ FDP**

<b>SEMINAR BY</b>	<b>BRANCH</b>	<b>DATE OF SEMINAR</b>	<b>PURPOSE</b>
Indian air force	B.Tech all branches	31 July, 2015	Carrer with indian air force
Time	B.Tech all branches & mca	14 Ocotober, 2015	Resume building
Ptu youth global internship programme (powered by aiesec)	B.T`ech 7 sem All branches	28 August, 2015	Industrial training
Deepak jindal ex- ibm employee	B.tech all branches	2 Feburary, 2015	Peronality development
Videcon connect pvt.ltd	B-tech ece	28 Feburary, 2015	Peronality development





## CENTRAL LIBRARY

### 1. About the Central Library

The Central Library of ACET is centrally Air-Conditioned and situated in the Applied Science Block with a space of 625 sq. Mts. The Library is adequately rich in its collection of books and periodicals to cater the library needs of the users of most of the branches of knowledge especially in Engineering, Management Studies, Computer Applications, Agriculture and Hotel Management. We have a collection of more than 66,116 books (Text, Reference and General) in the library. The Periodical Section enjoys the subscription of over 50 National and International Journals in print form, 36 magazines (technical & general) alongwith 17 prominent dailies. We have a Digital Library, within the premises of the Central Library, which is well equipped with 19 systems. We can access here about 556 International IEEE E-Journals, with various E-Books, DELNET services and Self Learning Websites. Nine departmental libraries are working successfully under the aegis of Central Library.

### 2. Brief detail of the Librarian & Head

<b>Name</b>	Mr. Harinder Singh Sarkaria
<b>Designation</b>	Librarian & Head
<b>Experience</b>	14 years
<b>Qualification</b>	M.Com., M.Lib. & Inf. Sci., PGDCA, NVQ(UK)
<b>Area of Specialization</b>	Application of ICT in libraries

### 3. Collection Development

The Library personal keep on focusing on the collection of the Central Library. They keep checking that the quality & required reading must acquired and weed out the reading material which is absolute. The Central Library is pretty rich in the collection of various forms of reading material for its users. We have a huge collection of documents in various forms which is detailed.

Items	In 2013-14	In 2014-15
<b>Books</b>	60310	66116
<b>Journals</b>	43	45
<b>Magazines</b>	34	36
<b>Newspapers</b>	17	17
<b>No. of Thesis/ Projects</b>	249	62/336
<b>E-Resources (CDs, DVDs)</b>	455	480
<b>E- Books</b>	159	10,000
<b>E- Journals</b>	556	556

### 4. Technical Section

The Technical Section also comprises acquisition section. The acquisition section is responsible for the quality collection of the library all the accessioning works is done in the section. The technical section process all the acquired reading material to transform into the serviceable units. All the documents are classified, catalogued and prepared for arrangement on the shelves. During the last session the following number of documents were processed;



<b>Area</b>	<b>2013-2014</b>	<b>2014-15</b>
<b>No. of books classified</b>	5237	5776
<b>No. of books catalogued</b>	5237	5776
<b>No. of books bound</b>	5265	6000

## **5. Periodical Section**

This section procures, maintains and arranges periodicals. In this section current information formed in journals, newspapers, magazines and other serial literature. This section plays an important role to keep the users up-to-date. In our Central Library we have subscribed over 50 print journals, 36 magazines and 17 newspapers in this section.

## **7. Circulation Section**

The circulation of the documents in Central Library is in full swing. The various services of the library keep moving the circulation momentum of the documents in this section. We keep this section open from 10:00a.m. to 4:00p.m. Without any break. The issue/return report of this section is given below;

<b>Area</b>	<b>2014-15</b>
<b>No. of books issued</b>	24200
<b>No. of books returned</b>	23900

## **8. Digital Library**

The Digital Library is a place where we can access the reading material in various forms like CDs/DVDs, online material etc. The Central Library of ACET has set up a Digital Library which is well equipped with 20 systems with Internet Connection. Last year the following services were provided in the Digital Library;

### **8.1 E-journals**

We have the subscription of about 556 international E-Journals in the Digital Library. Now the staff & students of ACET can access various International E-Journals subscribed from IEEE. These E-Journals are related to Computer Science and other branches of Engineering.

### **8.2 E-books**

Last year we added more than 10,000 E-books in the Digital Library. These books can be accessed on the college Intranet apart from Digital Library.

### **8.3 DELNET**

The membership of DELNET was renewed to take the advantage of various services such as Inter Library Loan and Document Delivery Services etc.

## 8.4 Self- Learning Websites

The Central Library has compiled a number of self learning websites. These websites are highly helpful for the students who want to appear in the various competitive exams like GATE, GRE, IAS etc. These all websites can be accessed in the Digital Library and also these are available on Intranet at 172.16.32.5:8084.

## 9. Visitors

The Central Library of ACET provides an inviting environment, dedicated staff and excellent collection that promote the staff and students to be regular and consistent visitors of the library. Some extraordinary services such as conducting Aptitude Test, Competitive Exam Section, Self Learning Websites, Current Awareness Services, Thought for the day, etc. are making the environment of Central Library more inviting. On average basis 350 visitors are visiting the library daily. The description of the visitors in various sections of the Central Library during the last session is as below;

Area	Number of Visitors in 2013-14	Number of Visitors in 2014-15
Main Entrance	78333	87959
Periodical Section	6868	8939
Digital Library	3298	3335

## 11. Other Activities:

### 11.1 Aptitude Test

#### 11.1.1 7<sup>th</sup> Aptitude Test

7<sup>th</sup> Aptitude Test was conducted on 01-10-2014 in the Central Library. The first three candidates were awarded with cash prizes of Rs. 4000/- (First), Rs. 3000/- (Second), and Rs. 2000/- (Third) along with a memento & certificate. The next 7 candidates in the result were also given cash prize of Rs 100/- to each with certificates and rest of the students were given the certificate of participation. All the winners were honoured by worthy Group Director, Dr. Om Kumar Harsh, Worthy Principal Dr. V.K. Banga and other senior faculty members.

#### First Three Positions

Position	Name of the Student	Branch	Semester
FIRST	Chetan Chopra	ECE	7 <sup>th</sup>
SECOND	Gagandeep Singh	ECE	7 <sup>th</sup>
THIRD	Saurabh Kumar	CSE	7 <sup>th</sup>



**Glimpses of the Prize Distribution of 7<sup>th</sup> Aptitude Test**

### 11.2.2 8<sup>th</sup> Aptitude Test

8<sup>th</sup> Aptitude Test was conducted on 13-02-2015 in the Central Library. The first three candidates were awarded with cash prizes of Rs. 3000/- (First), Rs. 2500/- (Second), and Rs. 2000/- (Third) along with a memento & certificate. The next 7 candidates in the result were also given cash prize of Rs 100/- to each with certificates and rest of the students were given the certificate of participation. All the winners were honoured by worthy Principal, Dr. V.K. Banga and other senior faculty members.

#### **First Three Positions**

<b>Position</b>	<b>Name of the Student</b>	<b>Branch</b>	<b>Semester</b>
FIRST	Chetan Chopra	ECE	8 <sup>th</sup>
SECOND	Gautam Mahajan	CSE	8 <sup>th</sup>
THIRD	Raj Kamal	CSE	8 <sup>th</sup>



**Glimpses of the Prize Distribution of 8<sup>th</sup> Aptitude Test**





**Glimpses of the launch of LibVoice Vol. 3**

#### **11.4 Meetings of ACET Book Club held during last year;**

Sr. No.	Meetings	Dates	Books Reviewed	Stars Graded
1	Second	13-03-2014	The Monk who sold his Ferrari by Robin Sharma	Four stars
2	Third	30-07-2014	King Lear by William Shakespeare	Four stars
3	Fourth	27-01-2015	Talks about Gita by Vinobha Bhawe	Four stars



**Glimpses of the Meetings of ACET BOOK CLUB**

#### **11.5 Books Exhibition at ACET**

Central Library organized Books Exhibition on 7<sup>th</sup> October 2014. The exhibition was inaugurated by worthy Principal, Dr. V.K. Banga. A number of books from renowned publishers in engineering & management were displayed in the exhibition. The exhibition also included the other competitive & general books. All the faculty members and students from various departments showed great interest in the exhibition.



**Glimpses of the Books Exhibition**



## **NATIONAL SERVICE SCHEME**

NSS volunteers rendered an excellent service during the academic year 2014-15 in accordance with the annual action plan of Punjab Technical University, guidelines of the Principal and suggestions of the NSS Coordinators. NSS Unit actively organized various activities with utmost dedication and service motto.

### **N.S.S. ACTIVITIES**

#### **Orientation**

100 Volunteers were enrolled in the NSS Unit in the Academic year 2014-2015. Enrolled Students attended the orientation program to familiarize about the activities of NSS Unit of our College. Two villages Kishanpura and Rajewal were adopted by NSS unit to conduct literacy campaign and awareness activities.

#### **Independence Day**

Independence Day was celebrated on 15<sup>th</sup> August 2014 in College ground. Dr. Om Kumar Harsh, Director, ACET had given a motivational speech to the students after hoisting the National Flag. More than 175 Students were present in the function. Sweets were distributed among the students after the program.

#### **Raksha Bandhan at Wagah**

50 Girls Students and 5 Coordinators of NSS Wing and Jagriti of Amritsar College of Engineering and Technology have volunteered to boost the moral of our soldiers by celebrating the Raksha Bandhan at Wagah Border on 10 Aug, 2014.

#### **Blood Donation Camp At All India Pingalwara Charitable Society:**

NSS Volunteers participated and donated blood on 04 Aug, 14 in Blood Donation Camp organized by All India Pingalwara Charitable Society, Amritsar on Death anniversary of S. Bhagat Puran Singh.

#### **Blood Donation Camp At ACET, Amritsar**

Our Volunteers organized the blood donation camp and donated blood on 9<sup>th</sup> Oct 2014 to the Blood Bank, Government Medical College, Amritsar. 175 Units of Blood was donated in this Camp. A Seminar was also conducted to create the awareness about the importance of Blood Donation. Dr. Rajneesh Arora, Former Vice Chancellor PTU and presently Managing Director ACET was the Chief Guest. Dr. Neeraj Sharma, In Charge Blood Bank, Govt. Medical Hospital, Amritsar was the key note speaker on the occasion.

#### **Republic Day :**

Republic Day was celebrated on 26<sup>th</sup> January 2015 in College ground. Dr. V.K. Banga, Principal, ACET highlighted the importance of the Republic Day and emphasized that the rights and duties go together.

#### **Seminar:**

NSS Wing organized a seminar for NSS Volunteers on "First Aid" on 9<sup>th</sup> April 2015. Dr. Mandeep Singh, Chief Medical Officer of Amandeep Hospital, Amritsar was the Chief Guest who delivered the keynote speech

## Photo Gallery



**Seminar on “First Aid”**



**Celebrating the Raksha Bandhan at Wagah Border**



**Flag Hosting on Independence Day**



**Advocate Sh.Amit Sharma ,Chairman & CEO & Dr.Rajneesh Arora, Former Vice Chancellor PTU and presently Managing Director, ACET donating the blood at ACET, Amritsar**

## ISTE Students Chapter

### PRAYAAS (A National level Technical & Cultural Festival)

Pryaas-2015 was organized on 20<sup>th</sup> March 2015. It was the 10<sup>th</sup> event of PRYAAS Series. The maiden attempt was made in March 2006 to give budding engineers a platform to develop skills complementing their course curriculum. At PRYAAS 2015, various events were intended as common ground for students from different areas and mindset to come together and share ideas. These events of PRYAAS always help in developing communication skills of students and make them more expressive. This becomes a major asset in the real world. In PRYAAS – 2015, Technical, Cultural and Creative Events were conducted.

Dr. V. K. Banga (Principal) Amritsar College of Engineering & Technology, Amritsar was the Chief guest during inauguration ceremony of PRYAAS-2015.

#### SUMMARY OF PRYAAS - 2014

- No. of colleges (including ACET) participated in various events of PRYAAS = 07
- No. of ACET students participated in various events of PRYAAS = 517
- No. of students (excluding ACET) participated in various events of PRYAAS = 110
- Total No. of students participated in various events of PRYAAS = 627

#### VARIOUS EVENTS OF PRYAAS - 2015

Sr. No.	Technical Events	Cultural Events	Creative Events
1.	General Quiz - Brain Buster	Group Dance	Rangoli
2.	Group Discussion - Swampy Stampede		See-n-Sketching
3.	Programming Contest		Collage Making
4.	Extempore – Capture the Idea		Nail Art
5.	Model Display – Clash of Titans		Taattoo Making
6.	Software Presentation		
7.	CAD/CAM - Rupankan		
8.	Paper Presentation		

#### LIST OF COLLEGES PARTICIPATED IN VARIOUS EVENTS OF PRYAAS – 2014

Sr. No.	Name of College
1.	Amritsar College of Engineering & Technology, Amritsar
2.	Guru Nanak Dev University, Amritsar
3.	Global Institute of Engineering & Management, Amritsar
4.	Dr. B. R. Ambedkar National Institute of Technology, Jalanhar
5.	Baba Kuma Singh Ji College of Engineering & Technology, Amritsar
6.	Aadesh Institute Of Engineering & Technology, Faridkot

### OTHER ACHIEVEMENTS OF ACET, AMRITSAR

- Mr. Bimal Kumar, Associate Prof., Department of Electrical Engineering & Ms. Binod Kaur, Assistant Prof. Department of Applied Science (Physics Group) receives ISTE Best Faculty Award at Adesh Institute of Engineering & Technology, Faridkot.
- Mr. Vivek from Department of Computer Science & Engineering and Mr. Rishi from Department of Electrical Engineering receives ISTE Best Student Award at Adesh Institute of Engineering & Technology, Faridkot.

### PARTICIPATION IN OTHER COLLEGES TECH-FEST

Sr. No.	Name of Institute	Name of Fest	Date	No. of ACET students participated
1.	Beant College of Engineering & Technology, Gurdaspur	Tech Fest 2014	10 – 11 October, 2014	97
2.	CT Institute of Management and Information Technology, Jalandhar	Colours 2014	10 <sup>th</sup> September, 2014	43
3.	Adesh Institute of Engg. & Tech.	Techie Fizz – an IT Festival	01 <sup>st</sup> April. 2015	47
4.	Ferozpur college of engg. & Tech.	BLAZZE	20 <sup>th</sup> Feb., 2015	58



## Photo Gallery



**Principal Dr. V.K. Banga Lightening the Lamp at the Inaugural Ceremony of Prayaas-2015**



**Dignitaries Sitting on the Occasion of Inaugural Ceremony of Prayaas 2015**



**Madam Ragini Sharma (Director Finance), ACET Amritsar at Stall of NGO (Jagriti) during Prayaas -2015**



**Students Performing During Prayaas-2015**



**Prize Distribution Ceremony of Prayaas-2015**

## **Pallas Athena Cultural Society (PACS)**

### **1. About Pallas Athena Cultural Society**

The society was established under the aegis of Amritsar College of Engineering & Technology in the year 2003. The society is popularly known as PACS. It provides an excellent platform to the students of ACET to show their latent talent and explore creativity in the various cultural programmes organized by this society. This society is student oriented and all the functions are organized by the students under the supervision of the faculty members. A number of Teams like Decoration Team, Escorting Team, Hospitality Team, Back Stage Team, Discipline Team, Drafting Team etc. are constituted for the smooth conduct of various functions. A number of cultural programmes like Freshers' Party, Fusion, Pryaas and other cultural events are organized by PACS.

### **2. Freshers' Party- Jubilant: The Flurry**

Freshers' Party popularly known as "Jubilant: The Flurry" is organized by PACS to extend formal welcome to the new students of first year. Along with studies, ACET aims to nourish the talent of students in every area and the various cultural activities are indeed the proof of it. Last year the "Jubilant: the Flurry" organized on 1<sup>st</sup> Oct 2014. District Transport Officer & our Alumna Ms. Lovejeet Kaur Kalsi was the Chief Guest on this day.

In this celebration, the students underwent in the process of auditions to get selected for various events like Solo Dance, Group Dance, Skit, Modeling, Group Songs, Play, Bhangra, Gidhha, Stand-up Comedy, Fashion Show and other talents. After clearing the auditions the students had rehearsals for the events to make the function successful. Students compete for the coveted titles of Miss Fresher, Miss Charming and Mr. Fresher and Mr. Handsome by undergoing three rounds namely Introduction Round, Talent Round, and Question/Answer Round. The contest for these titles was held at two different levels of UG Students & PG students. About 110 students participated and 46 members of the PACS worked hard to make this event a grand success.

#### **Result of Title Winners-2014 (UG)**

<b>Tag No.</b>	<b>Name of the Student</b>	<b>Title</b>
4	Miss Fresher	Apurva Sethi
1	Mr. Fresher	Abhay Prabhakar
10	Miss Charming	Alisha
7	Mr. Handsome	Harman Sandhu
2	Best Costume (Female)	Pallavi Thakur
15	Best Costume (Male)	Rahul Verma

#### **Result of Title Winners-2014 (PG)**

<b>Tag No.</b>	<b>Name of the Student</b>	<b>Title</b>
2	Miss Fresher	Kamalpreet Kaur
1	Mr. Fresher	Satinderpal Singh
4	Miss Charming	Preet Kanwal Kaur



9	Mr. Handsome	Rishav Sharma
8	Best Costume (Female)	Simerjit Kaur
11	Best Costume (Male)	Vinay

#### Result of Best Three Events Competition

Tag	Title	Name of the Event
B	First Position	Wings of Passion (Group Dance)
G,H	Second Position	Tootte Rishtey (Skit) Magic on Canvas(Painting with performance)
I	Third Position	Collaboration Bhangra



#### Glimpses of the Events in Jubilant: The Flurry-2014

### 3. FUSION: Science & Cultural Fair

This function is organized to acquaint the +1 & +2 Non-Medical students (from all over Punjab) with the various facilities and infrastructure of the ACET. This “Fair” provides the best platform to the school students to exhibit their talent. Last year it was celebrated on 7<sup>th</sup> Nov 2014 and 23<sup>rd</sup> Jan 2015. In total, 86 and 9 respectively, students participated in different cultural events (Solo Dance, Solo Song, Group Dance, Stand-up Comedy, Bhangra and Giddha) from various Government & Public Schools from all over the Punjab.

#### Fusion-Nov 2014 (RESULT)

S. No.	Event	Position	School
1	Solo Dance	First Second	SSSS Khalsa Senior Secondary School Madhav Vidhya Niketan
2	Solo Song	First Second	D.A.V. International School D.A.V. Public School
3	Group Dance	First Second	Spring Dale School Gurdas Public School
4	Laughter	First	Manav Public School

	Challenge	Second	-----
5	Gidha	First Second	Maharaja Ranjit Singh Public School -----
6	Bhangra	First Second	D.A.V. Centenary Public School Desraj DAV Public School

**Over all trophy was won by D.A.V. Public School, Amritsar.**

#### **Fusion-Jan 2015 (RESULT)**

S. No.	Event	Position	School
1	Solo Dance	First Second	Govt. Girls Sen. Sec. School, Verka Govt. Girls Sen. Sec. School, Verka
2	Solo Song	First Second	Ajit Vidhyalaya Sen. Sec. School Ajit Vidhyalaya Sen. Sec. School
3	Group Dance	First Second	Govt. Girls Sen. Sec. School, Verka Govt. Girls Sen. Sec. School
4	Laughter Challenge	First Second	Govt. Girls Sen. Sec. School, MS GATE ----
5	Gidha	First Second	Govt. Girls Sen. Sec. School, MS GATE Gurmukh Singh Pannu Sen. Sec. School
6	Bhangra	First Second	Govt. Girls Sen. Sec. School, MS GATE Govt. Girls Sen. Sec. School, Verka

**Over all trophy was won by Govt. Girls Sen. Sec. School, MS GATE, Amritsar.**



**Glimpses of Cultural Events in The Fusion-2014 & 2015**

#### **4. PRYAAS: A National Level Technical Fest**

Pryaas-2015 was organized on 20<sup>th</sup> March 2015. This function is a blend of technical and cultural events. All the cultural events were organized under the aegis of PACS.

#### **Inter College Competition of Group Dance**

S. No.	Title	Name of the College
1	First Position	Baba Kuma Singh Engg. College



2	Second Position	Amritsar College of Engg. & Technology
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### Result of Best Three Events Competition

S. No.	Title	Name of the Group
1	First Position	Standup Comedy by Pahulpreet Singh
2	Second Position	COMET: Unique Dance Group
3	Third Position	Seven Blossoms: Group Dance



### Glimpses of Cultural Events in Pryaas-2015

#### 5. Participation in Other Colleges

A number of students of ACET were sent to participate in various colleges for various events like Bhangra, Skit, Solo Singing, Solo Dance, Group Dance etc. The detail of the same is given below:

Sr. No.	Name of Event/College	Date	Event participation	Position	No. of Participants
1.	Adesh Institute of Engg. & Technology, Fairdkot	15 Mar 2015	1. Group Dance 2. Solo Dance 3. Solo Songs	SECOND THIRD ----	14 1 2
2.	Chitkara University	March 2015	1. Group Dance 2. Solo Dance	THIRD ----	8 1
3	Hindu College ASR	Feb 2015	1. Bhangra 2. Skit 3. Solo Dance	THIRD ---- ----	8 10 1
4	Rayat Institute of Engg. & Technology	Oct 2014	1. Solo Songs 2. Solo Dance	---- Third	2 1
5	Beant College of Engg. & Technology	Oct 2014	1. Group Dance 2. Solo Songs	---- ----	8 2



## Photo Gallery:



5<sup>th</sup> Annual Athletic Meet



5<sup>th</sup> Annual Athletic Meet



Pryaas -2015- College Fest





Blood Donation Camp



Foundation Day Celebration



Womens Day & Teej Festival celebration





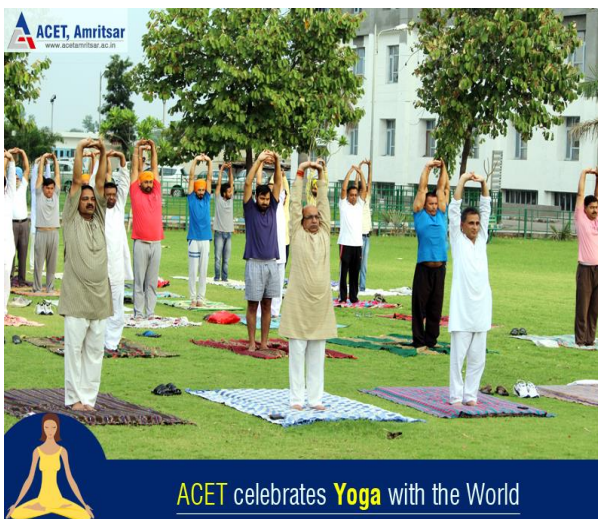
Tribute to former President A P J Abdul Kalam



Condolence Prayer for Nepal disasters.



Celebrating International Yoga Day



Celebrating International Yoga Day



Second Annual Faculty Cricket Tournament



Celebration of ISRO's Mars Orbiter Mission (MOM)



