

GURU NANAK DEV ENGINEERING COLLEGE



BROCHURE

GURU NANAK DEV ENGINEERING COLLEGE

An autonomous college u/s [2(f) & 12(b)] of UGC act 1956
(Punjab Govt. Aided status)

Gill park, Gill Road, Ludhiana, Ph :- 0161-2502700



INTRODUCTION

Guru Nanak Dev Engineering College, one of the prestigious and oldest institutions of Northern India, was established under the aegis of Nankana Sahib Education Trust (NSET) in 1956. The vision of the college is “Removal of Economic Backwardness through Technology”. The foundation stone was laid by Late Dr. Rajendra Prasad, the first president of India. Nearly 10,000 Graduates and 3,000 Post Graduate Engineers have passed out from the college during the last 50 years and are successfully working in India and abroad. The college has been granted autonomy under 2(f) and 12 (B) of UGC Act, 1956 in 2012. Undergraduate Courses are accredited by NBA under TIER-I (Washington Accord), The college is NAAC (A Grade) and TCS Grade ‘B’ Accredited. College is now ISO 9001-2008 Certified, and have signed MoU with IOWA University (USA) for exchange of students and faculty.



COURSES

B.Tech		825
Civil Engineering	180	
Mechanical Engineering	180	
Electrical Engineering	90	
Electronics and Communication Engineering	90	
Computer Science and Engineering	150	
Information Technology	90	
Production Engineering	45	
 M.Tech (AICTE Full-Time)		179
Industrial Engineering	25	
Power Engineering	25	
Production Engineering	25	
Structural Engineering	25	
Computer Science and Engineering	18	
Geo-Tech. Engineering	25	
Environmental Science and Engineering	18	
Electronics and Communication Engineering	18	
 M.Tech (AICTE Part-Time)		65
Electrical Engineering	13	
Electronics and Communication Engineering	13	
Industrial Engineering	13	
Production Engineering	13	
Soil Mechanics and Foundation Engineering	13	
 Masters in Business Administration (M.B.A)		60
 Masters in Computer Application (M.C.A)		60
 Ph.D under QIP		6
Electrical Engineering	2	
Civil Engineering	2	
Mechanical Engineering	2	



FACULTY DETAILS

CURRENT NUMBER

DESIGNATION WISE :

Professors

32

Associate Professors

21

Assistant Professors

177

QUALIFICATION WISE :

Ph.D

51

Post Graduate(M.Tech/MBA/MCA/Others)

175

Graduate(B.tech/B.E/Others)

4



FOREIGN COLLABORATIONS

The college has various exchange programs for students and faculty with a number of foreign universities /colleges, MoU's in place include:



Wintec
WAIKATO INSTITUTE OF TECHNOLOGY
Te Kuratini o Waikato

Waikato Institute of Technology, New Zealand
University, USA

Cambridge University, UK



UNIVERSITY OF
CAMBRIDGE

**SAN JOSÉ STATE
UNIVERSITY**

San Jose State



RANKINGS

“Outstanding Engineering Institute North Award “by ABP News

First Position in North India among the category of “TOP Engineering College”.

Second Position in the category of “TOP Engineering Colleges of eminence among north India”

Second Position in the category of “TOP Engineering Colleges ranked by State(Punjab)”.

First position in north India and 35th position among Top 100 Engineering Colleges by OUTLOOK.

EIGHTY-ONE Position in the category of Top National Engineering College among NITs, IITs, Central Universities.



FELICITATIONS

Felicitations to the members of management, trustees,, students and staff on attaining GNDEC:

“Ninth position in Ranking of Top Engineering Colleges of Eminence(Second in Punjab)

Third position in Ranking of “ Top Engineering Colleges by State”.

Twenty Third position in ranking of Top 25 Engineering Colleges ranked by Faculty, Research, Consultancy, EDP and other programmes(Third position in Punjab.

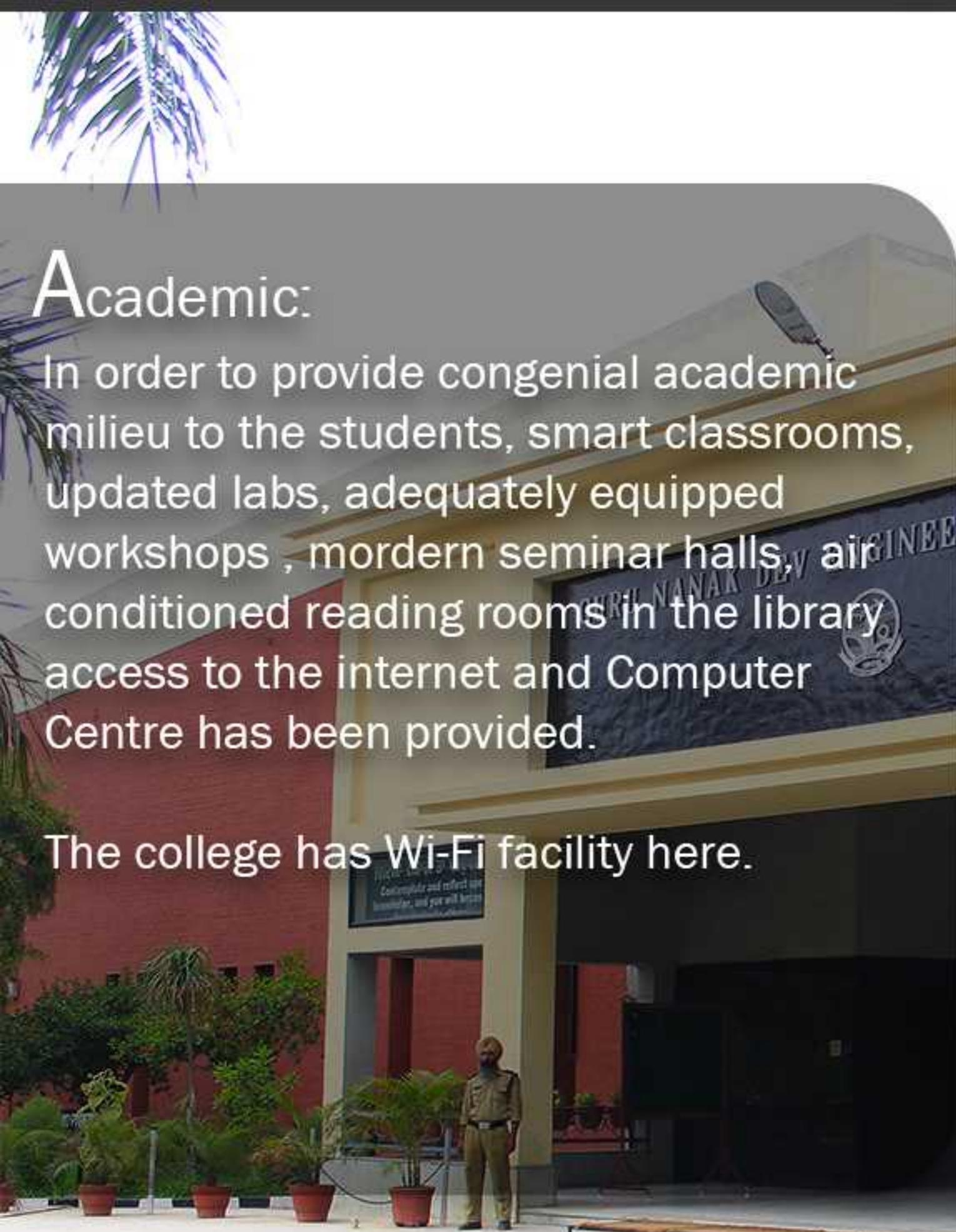
Twenty Fourth position in ranking of Top 25 Engineering Colleges ranking by Placement, USP, Social Responsibility, Networking and Industry Interface.

In CSR-GHRDC Engineering College Survey -2018 (Published in July 2018 Edition).

This has become possible due to tireless efforts of management, students and staff of the Institution.



INFRASTRUCTURE



Academic:

In order to provide congenial academic milieu to the students, smart classrooms, updated labs, adequately equipped workshops, modern seminar halls, air conditioned reading rooms in the library access to the internet and Computer Centre has been provided.

The college has Wi-Fi facility here.



Central Library:

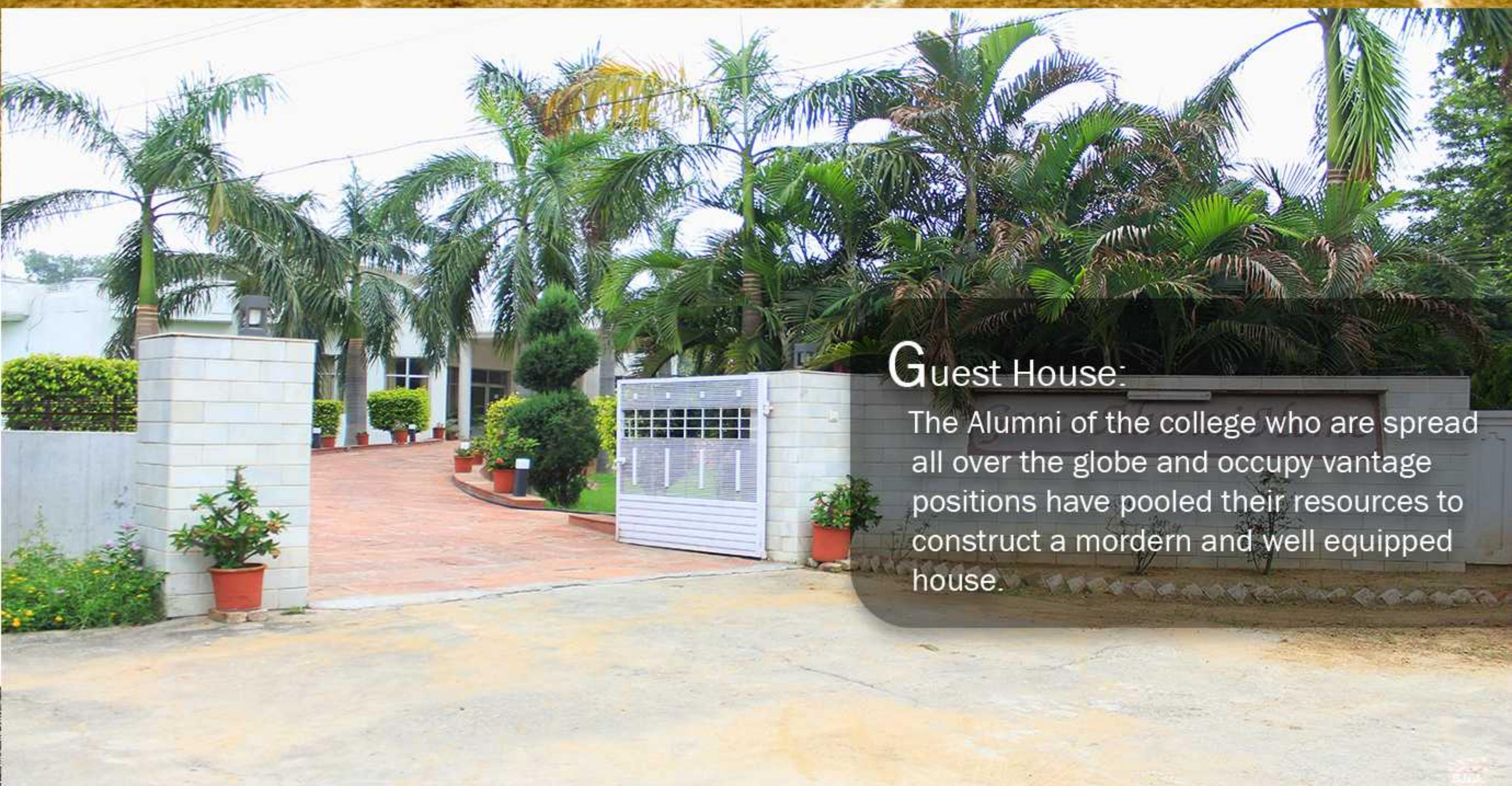
The institution has well established Air conditioned library having rich collection of 91124 books, 518 online books, 140 print journals, 19987 online journals, 4500 back journals since 1945.



Sports:

The institution has an outdoor stadium with pavilion attached comprising of 400m grassy track and a cricket pitch.

We have well maintained playgrounds and a swimming pool for students to develop various dimensions of wellness.

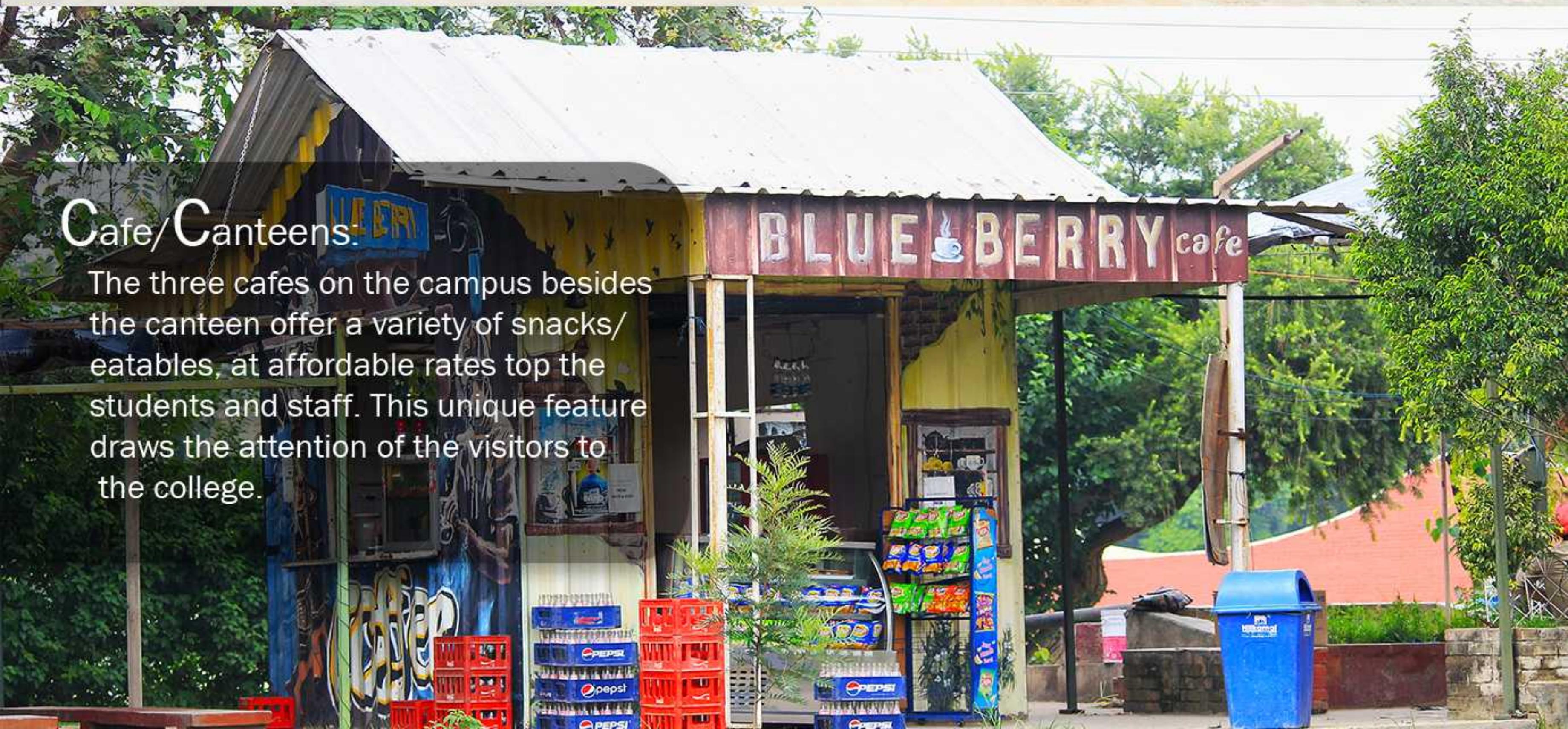


Guest House:

The Alumni of the college who are spread all over the globe and occupy vantage positions have pooled their resources to construct a modern and well equipped house.

Cafe/Canteens:

The three cafes on the campus besides the canteen offer a variety of snacks/eatables, at affordable rates top the students and staff. This unique feature draws the attention of the visitors to the college.



TESTING AND CONSULTANCY SERVICES

DETAILS OF SPONSORSHIP/SUPPORTED CONFERENCES

Date	Amount	Description
2010-11	₹ 20,000	Sponsored international conference on power system operations and control.
2011-12	₹ 25,000	Supported national conference on "Recent advances in electronics and communication".
2013-14	₹ 2,00,000	Sponsored UKIERI congress and NIT, Jalandhar
2014-15	₹ 50,000	Sponsored national conference on "Geo-technichal Engg. Practice and Sustainable infrastructur devlopment."
2014-15	₹ 50,000	Sponsored IGS -Ferreco Terzaghi Oration.
2014-15	₹ 57,128	Travel sponsorship for students to Google summer of code reunion held at California
2015-16	₹ 2,00,000	Sponsored UKIERI concrete congress at NIT, Jaland-
2016-17	₹ 50,000	Sponsored international conference on "Soft Computing Applications in Wireless communication"

TESTING AND CONSULTANCY SERVICES

DEPARTMENT WISE INCOME

Department	2014-2015	2015- 2016	2016-FEB'17*
Civil Dept.	₹ 1,19,65,017	₹ 1,17,55,756	₹ 1,19,89,763
Mechanical Dept.	₹ 48,000	₹ 25,920	₹ 40,762
E&E Dept.	₹ 2,53,596	₹ 2,84,484	₹ 2,18,890
Applied Sc. Dept.	₹ 1,42,135	₹ 1,19,174	₹ 97,139
	₹ 1,24,08,748	₹ 1,21,85,334	₹ 1,23,46,554

PLACEMENTS

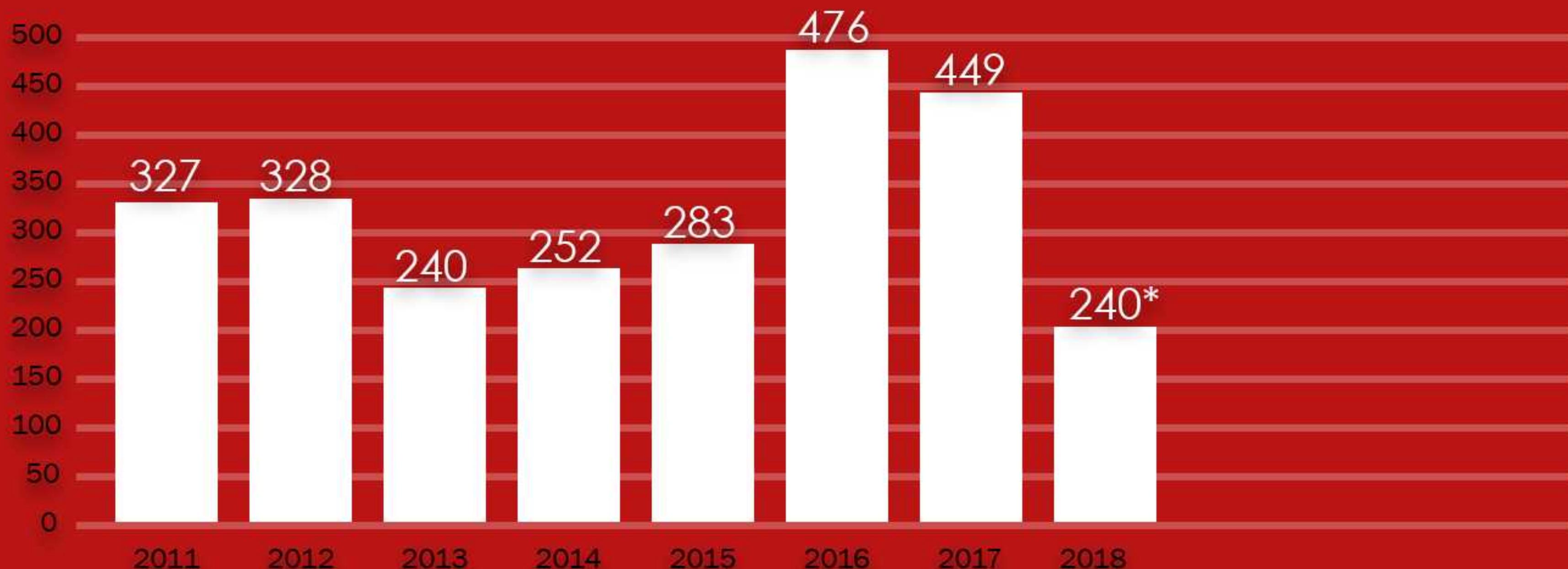


PLACEMENT RECORD 2017

Total companies visited	-	33
Total Students Placed	-	449
Highest package	-	6.66 LPA

2018

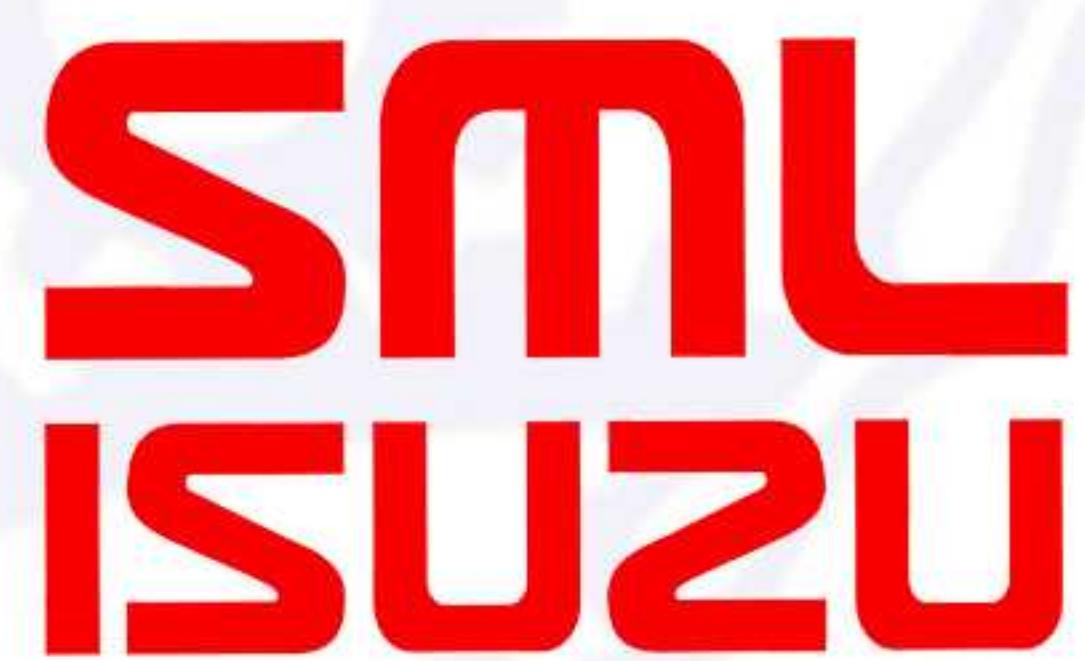
Total companies visited	-	40**
Total Students Placed	-	240
Highest package	-	6.20 LPA



The above graph shows students placed in past few years.

*Placement procedure is still under progress.

SOME OF OUR RECRUITERS



STUDENT'S ACHIEVEMENTS

EXPERIENCE of GSoC



Experience of Google Summer of Code'17

Before getting started with GSoC, a very first step taken by me was to work on open-sourcetechnology. Under the guidance of Dr. Hardeep Singh Rai (Testing and Consultancy Cell,GNDEC) I got exposure to a technology called FreeCAD. FreeCAD is a free and open-source general-purpose parametric 3D CAD modeler and a building information modeling software with finite-element-method support. After working on FreeCAD for over a year Dr. HS Rai gave me an idea which was not introduced in FreeCAD yet. So, with that in mind I started working on a proposal for GSoC. I discussed my idea and proposal with FreeCAD community itself to get pros and cons.

EXPERIENCE of GCI

Experience for Google Code-in.

After completing my GSoC I was given an opportunity to guide the students of GCI. As a mentor in BRL-CAD, I helped many students with the task assigned to them and clear their doubts. This experience gave me the delight of mentoring someone and I really enjoyed giving back to the community.

My contact information:

<https://amritpals.com/>

<https://github.com/amrit3701/>

<https://www.linkedin.com/in/amrit3701/>

STUDENT'S ACHIEVEMENTS

HACKATHON 2017

"Team IVIEW comprising of 6 student and 2 mentors was the only team from Punjab to participate in the inaugural Smart India Hackathon in 2017 at Hyderabad. The overall experience was indeed a one to remember, meeting great dignitaries from ISRO, AICTE and to interact with our PM Shri Narendra Modi through video conferencing was a highlight.

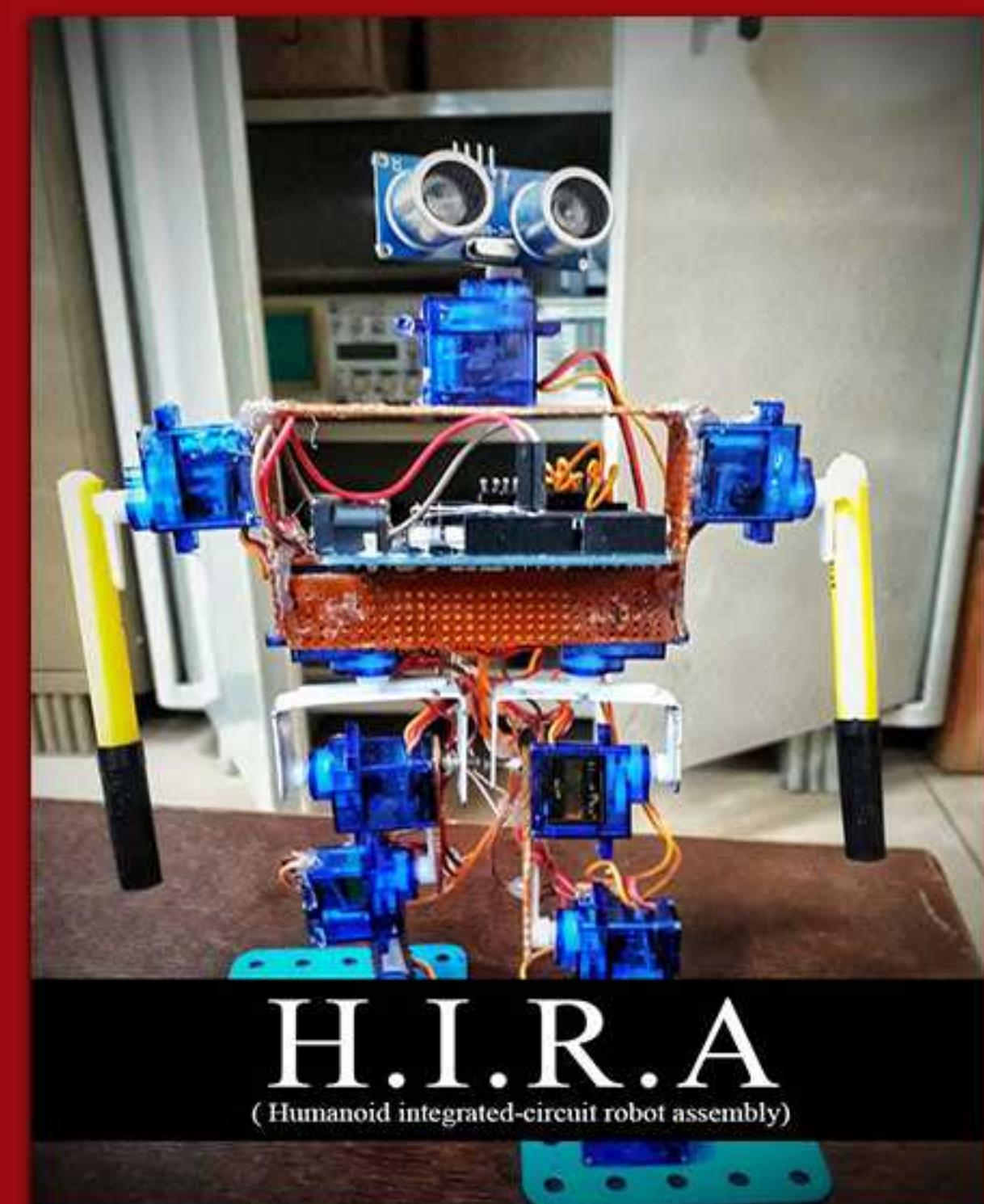


The support and motivation from college authorities was great. Teachers and faculty left no stone unturned to make this all possible and now further encourage more and more teams to participate in such high level competitions." - Sarabjot Singh

STUDENT'S ACHIEVEMENTS

HIRA : HUMANOID INTEGRATED- CIRCUIT ROBPOOT ASSEMBLY

The project was a Humanoid Robot, a prototype robot. we named it HIRA. We started looking for the unique project 6 months before our industrial training. Robots are the most advanced and wide sector to work on so I discussed it with my senior friend and with one of my project mate. We wanted to do something out of the box. We then made a team of four. We then proposed our idea to our mentor Pf. Shivani. Robotics was something we never worked on, we were not familiar even with the basics of it but our Mentor encouraged us to go for it. By the end of first week, with daily huddle meetings and team meetings we were coming to pace. We divided our work. Me and Dapinder Singh started working on structure and coding part. While other members started theoretical research about components and algorithm. I started preparing for capturing the individual tasks, daily progress, action items, issues and dependencies. From this , I derived so called 'Action Tracker' which was to be updated daily and circulated to the team.



The best part was the coordination of the teachers and the college. they provided us every help, guidance, equipments, labs we wanted. the most important thing is the support and encouragement provided by the teachers even on our failure. they told us to set small aims to achieve big goals.

STUDENT'S ACHIEVEMENTS

EFFICYCLE

EFFICYCLE



Type Human-powered electric Hybrid trike
Design Tadpole configuration (2F1R)
Capacity 2 Drivers (120 kg each), payload (20 kg)
Brakes Disk Brakes at each tyre.
Suspension Double wishbone SLA suspension
Motor rating 250 W
Speed 40-45 km/h (On hybrid drive)

SAENIS Efficycle started in 2010 and GNDEC has been participating every year in the competition since its commencement. The event provides an opportunity to students for learning and understanding various engineering concepts by implementing them practically. For the first 4 seasons GNDEC participated under the team name "MANIACS". In 2014, the team name was changed to "REVENTON". In 2014 edition of the event, Team REVENTON from GNDEC bagged overall SECOND POSITION out of a total of 250 teams all over INDIA.



STUDENT'S ACHIEVEMENTS

EFFICYCLE



What is SAENIS-EFFICYCLE?

Efficycle is an intercollegiate design competition for undergraduate and graduate students where teams have to design and fabricate an energy efficient entirely human powered three-wheeled vehicle. The vehicle must be aerodynamic, highly engineered and ergonomically designed. The design should be commercially viable as a product and should be attractive to the consumers because of its visual appearance, performance, reliability and ease of operation.

SUPRA

Vehichle Type: Formula Prototype Car
Engine: Honda VFR 400cc (59 bhp, 39 Nm)
Steering: Rack and Pinion
Suspension: Push Rod Actuated
Suspension(Both Rear and Front)
Tires: Yokohama 175*65 R13
Body Panel: Fiber Raisin Plastic
Impact Attenuator in the front Protection against Crash.

PRATHAM



STUDENT'S ACHIEVEMENTS

SUPRA



Team GENSONIC is the official Formula Student team of Guru Nanak Dev Engineering College, which was founded in 2013 by students of Mechanical Engineering with a vision to compete at the Formula SAE Competitions held annually by the Society of Automotive Engineers (SAE). The team participated in 2014 Edition of SUPRA SAEINDIA held at Madras Motor Racing Track, Sri Perumbudur, Chennai from 17-20 July, 2014 (www.suprasaeindia.org).



FEEDBACK



Mr. S.P.S Oberoi,

"This is my third visit to GNDEC, an esteemed institution. Excellent coordination, everything very well planned. All were extremely courteous. Always a pleasure to visit GNDEC. Blessings ! "



Ms. Shaan Vats, ,

"It's always a pleasure coming to GNDEC campus. The campus and its people are very warm and humble. It's a campus which has a "heart" of its own."



Mr.Sharad Gangal,

"It was really a good experience. Everything was well organized. Was impressed with warm welcome, hospitality and obviously bright students of campus."

PROMINENT ALUMNI



Er. Harleen Juneja,
Information Technology, Batch - 2003,
Program manager Google, Santa Clara, California



Mr. Karanbir Singh,
Master of Business Administration, Batch - 2014,
Co Founder/ Head of business development, Logixtree Networks



Er. Saravdeep Singh Basur,
Electrical Engineering, Batch - 1986,
CMD, Lucent Technologies, India



Er. Sanjay Bhalla,
Civil Engineering, Batch - 1998,
Vice President at Mapei, Past : SIKA as Country Head



Er. K.S. Dhodi,
Mechanical Engineering, Batch - 1968,
Vice President, SML Isuzu, Roop Nagar



Er. Himanshu Dhir,
Information Technology Batch - 2005,
Test Lead, Capita India, Pune

PROMINENT ALUMNI



Dr. Kanav Kahol,
Electronics and Comm. Engineering, Batch - 2003,
CTO, Pink Rickshaw Design



Er. Karan Bajwa,
Electronics and communication, Batch - 1998,
Managing Director, IBM, India



Er. Manjit, Singh Saini,
Civil. Engineering, Batch - 1997,
Ex. Chief Engineer, Indian Railways, Owner/ Managing Director, Indus
Consultants Pvt.Ltd. Gurgram

And Many More...

We deem it our immense pleasure to amiably invite your esteemed organization to participate in the Recruitment Programme of Guru Nanak Dev Engineering College, Ludhiana. The graduating batch of 2017, after being imparted quality technical education through a right balance of rigorous curriculum and industrial exposure, is ready to step into the world of real time engineering applications. We strongly believe that your esteemed organization stands to gain as much as our college, from this mutual relationship.

Guru Nanak Dev Engineering College is one of the oldest (Est. in 1956) and finest institutions in India. Having maintained its rich tradition to pursue excellence, GNDEC has been titled as The Best College in Placements by Punjab Technical University for three years in a row, now. With excellent faculty and research facilities, our college offers thirteen courses for M.E. / M. Tech and seven courses for B. Tech in addition to those for PH.D. GNDEC has been accredited by NBA as an Autonomous College, adding another feather to the cap.

Being centred in one of the most developed and leading industrial cities - Ludhiana, GNDEC stands to be benefited extravagantly from this added advantage. Our students, having an easy access to the practical implementation of their virtual knowledge through these industries, have an edge over their colleagues in the same field. The six weeks and six months mandatory training adds to their exemplary knowledge and skills.

We highly value our partnership with recruiters, and will be obliged to provide you any further assistance you require. You can either opt to pay us a visit, or call our students for the interview rounds at your location as per your needs. Kindly let us know the likely time of your arrival so that we could provide you with suitable arrangements. We shall eagerly wait to receive your response in positive.

Thanking you in anticipation.

CONTACT US



@official.gndec



www.gndec.ac.in



Guru Nanak Dev Engineering
College,Ludhiana

Prof. G. S. SODHI,
(Training and Placement Coordinator)
Mobile no : +91-98722-19178
Email : gagan_sodhi76@yahoo.com

Harpreet Singh
(Student coordinator)
Mobile no:- +91-8198077793