



DEPARTMENT OF CIVIL ENGINEERING GURU NANAK DEV ENGINEERING COLLEGE

EXTENDS HEARTIEST WELCOME
TO
NAAC PEER TEAM

About CED

Established in 1956

Accredited thrice by National Board of Accreditation (NBA)

Supported under TEQIP and FIST funding by the World Bank and DST, GOI respectively

35th chapter of Indian Geotechnical Society, New Delhi

Vision and Mission

Vision

To establish an outstanding centre of regional and national reputation for providing quality engineering education to the students from the rural area of Punjab, excellent research and services to the professional and the community; to produce quality civil engineers; and to employ principles of continual quality improvement to enhance its programme and faculty.

Mission

- To serve the people of Punjab and the country by providing a broad and high quality education to its students for a successful professional career.
- To conduct strong basic and applied research for national needs.
- To serve the construction industry; civil engineering profession and rural community through dissemination of knowledge and technical services.

Programmes

Under Graduate Programme	Starting Year	Present Intake
B.Tech (Civil Engineering)	1956	120
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Post-Graduate Programmes	Starting Year	Present Intake
Structural Engineering (Regular)	1999	25
Geotechnical Engineering (Regular)	2001	18
Environmental Science & Engineering (Regular)	2009	18
Soil Mechanics & Foundation Engineering (Part-Time)	1981	13

Programmes

Doctoral Programme	Starting Year
Ph.D. (Approved Research centre-PTU)	2007
Ph.D. (Declared QIP Centre- AICTE)	2011

Job Oriented Programme

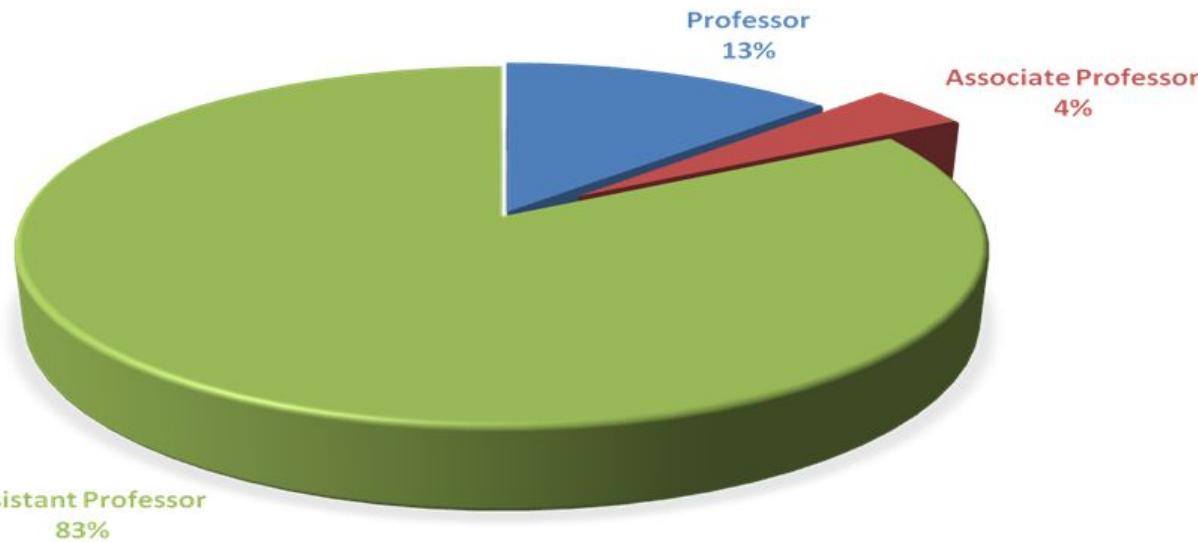
Course Name	Duration	Type
Analysis & Design of RC Buildings	6 Months	Certificate course

Staff and Infrastructure

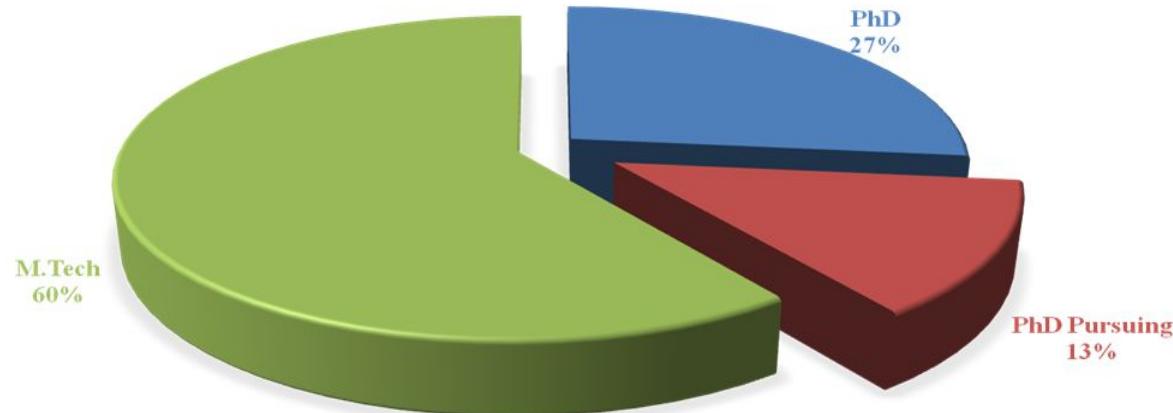
Staff Strength-Teaching and Non Teaching

Sr. No.	Designation	Number
1	Professor	04
2	Associate Professor	01
3	Assistant Professor	25
4	Draftsman	01
5	Technician	01
6	Clerk	01
7	Lab Attendant / Attendant	08

Faculty Details



Faculty Qualification



Facilities

Room Description	Numbers
Laboratories	10
Total Class Rooms	12
Class Rooms (ICT enabled)	07
Departmental Library (ICT enabled)	01
Seminar Hall (ICT enabled)	01
Meeting Room (ICT enabled)	01
Faculty Rooms	26

Laboratories

Sr.No.	Name of Laboratory	Area (sq.ft.)	Office Incharge
1	SOM Laboratory	2700	Jagbir Singh
2	Concrete Technology Laboratory	2000	Jagbir Singh
3	Surveying Laboratory	1500	Gurpuneet Singh
4	Geotechnical Laboratory	1500	Gurdeepak Singh
5	Transportation Engineering Laboratory	600	Prashant Garg
6	Structure Laboratory	1200	Harpal Singh
7	Heavy Testing Laboratory	2150	Harvinder Singh
8	Computational Laboratory	900	Inderpreet Kaur
9	Environmental Engineering Laboratory	1170	Puneet Pal Singh
10	Advanced Environmental Engg. Laboratory	600	Sukhwinderpal Singh
11	Model Laboratory	900	Bhupinder Singh Walia



Well Equipped Laboratories





Structure Lab



Strength of Materials Lab



Concrete Technology Lab



Transportation Lab



Survey Lab



Geotechnical Lab



Computational Lab



Model & Geology Lab



Environment Lab



Advanced Environment Lab

Departmental Library

Description	Number
Total Volume	551
Total Titles	505
Journals	61
CDs	20
IS Standards	132
M.Tech Theses	380
Proceedings	27

Research and Development (Since 2015)

Description	Number
Ph.D. Awarded	09
Patents Filed	03
Ph. D. Pursuing	04
Publication in Journals	<u>77</u>
Publication in International and National Conference	<u>91</u>
RPS and Research Project	04
Research Projects (ongoing) (NHAI, Traffic Safety, Water Treatment)	03
Book Published/Edited	<u>05</u>
Programmes organised (International/National)	11

Programmes Organised - National (Since 2015)

Name of Programme	Type of Programme	Association/Sponsorship	Year
Numerical and Physical Modelling	Workshop	IGS-Ludhiana Chapter and TATA Structura	2015
Solid Waste Management in Indian Cities-Issues & Concerns	FDP	TEQIP-II	2016
Green Buildings and Techniques	STC	NITTTR, Chandigarh	2018
Analysis and Design of RC Buildings	STTP	AICTE	2019
Efficient, Trackable and Sustainable Workflow	SDT	TEQIP-III	2020
Efficient, Trackable and Sustainable Workflow (2 nd Run)	SDT	TEQIP-III	2020

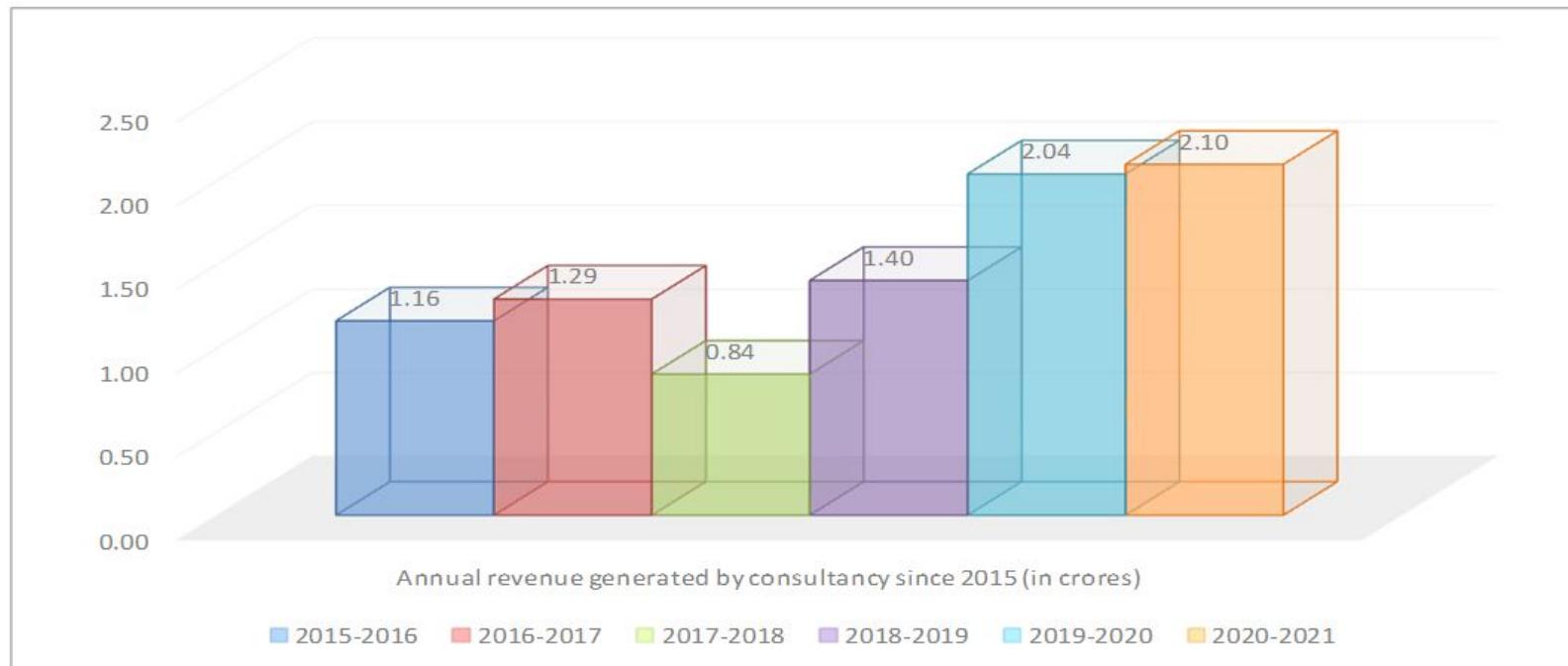
Programmes Organised-International (Since 2015)

Name of the Programme	Conference/Workshop	Association/Sponsorship	Year
3 rd UKIERI Concrete Congress : Innovations in Concrete Construction	International Congress	NIT Jalandhar & Dundee University, Scotland	2015
Geotechnical Investigations and Ground Improvement with Geo-synthetics for Structural and Construction Engineers	Training	Edith Cowan University, Australia and sponsored by IGS-Ludhiana Chapter & TATA Tiscon	2015
Sustainable Waste Management through Design	International Conference	IGS-Ludhiana Chapter & Institution of Engineers	2018
4 th UKIERI Concrete Congress: Concrete – The Global Builder	International Congress	NIT Jalandhar & GNDEC	2019
Sustainable Development through Engineering Innovations	International Congress	IGS-Ludhiana Chapter & Institution of Engineers	2020

Grants Received (Since 2015)

Type	Organisation	Amount
Research	UGC	31.5 Lakh
Research	AICTE	10.5 Lakh
Research	Private Companies	4.5 Lakh

Consultancy

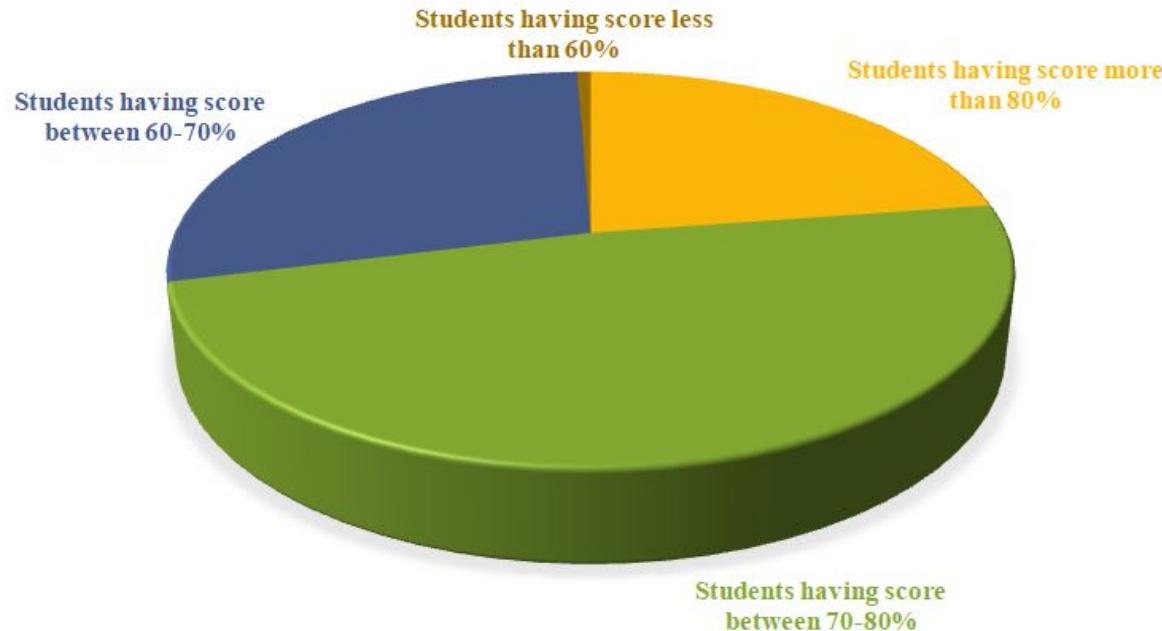


Collaborations

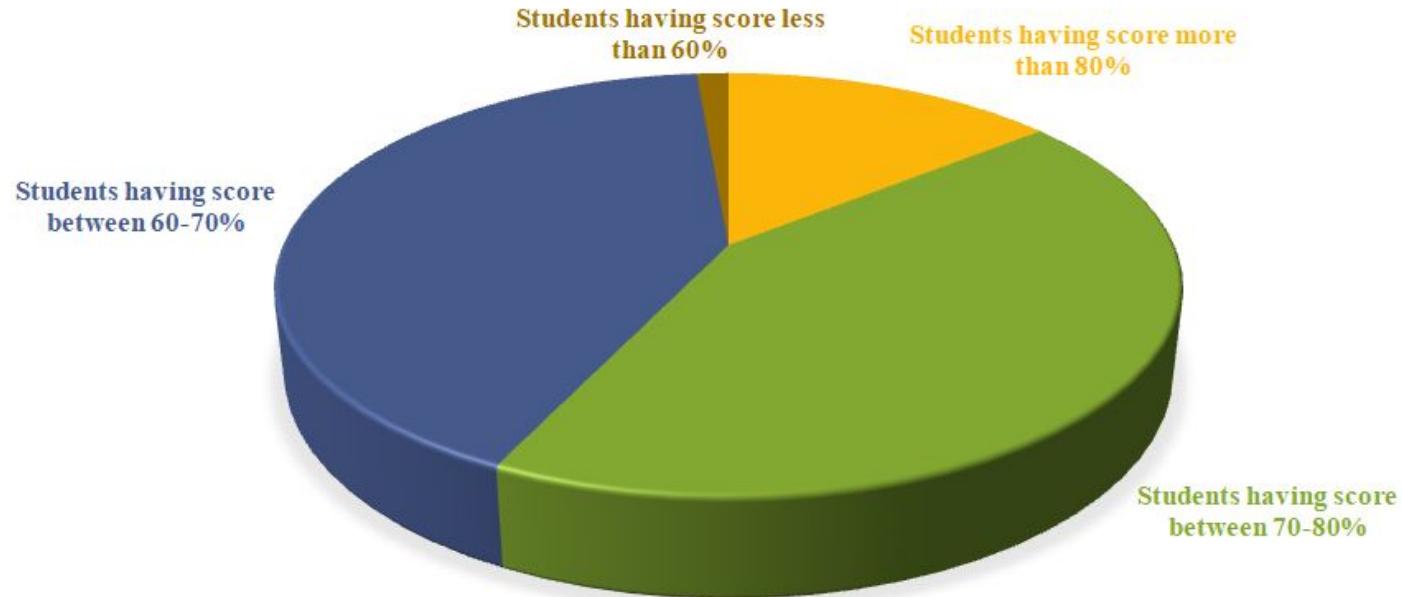
International Organizations/Institutes	Status
Waikato Institute of Technology (Wintec), New Zealand	Ongoing
UKIERI Concrete Congress	Ongoing
University of Dundee, United Kingdom	Completed
National/State Organizations/Institutes	Status
Dr. B. R. Ambedkar National Institute of Technology (NIT), Jalandhar	Ongoing
The Institution of Civil Engineers (India)	Ongoing
National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh	Completed
Punjab Remote Sensing Centre, Punjab Agricultural University (PAU), Ludhiana	Ongoing
National Highway Authority of India (NHAI)	Ongoing
Center of Excellence – Punjab Road Safety and Traffic Management (Punjab Police)	Ongoing
Industrial Organizations	Status
Ambuja Knowledge Centre	Ongoing
MRH Associates (TATA TISCON)	Ongoing
Deepak Builder	Completed
Department of Information Technology, Government of India	Completed

STUDENTS' PERFORMANCE

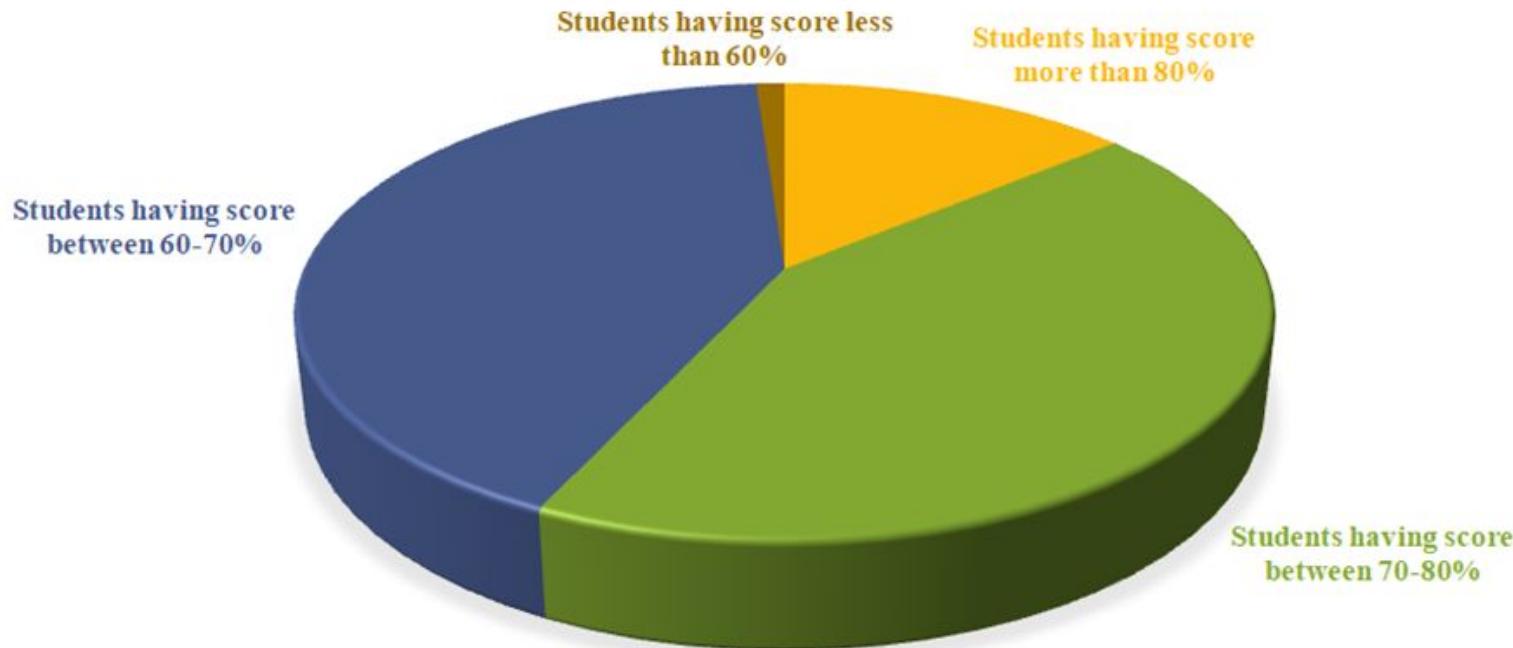
Result Analysis (Batch 2016-2020)



Result Analysis (Batch 2015-2019)



Result Analysis (Batch 2016-2020)



Prominent Alumni

Prominent Alumni

Well placed alumni in various Govt. Departments and private sector at rank of chief engineer, DGM, DIG, Director/Principal, Olympian, Design Consultants.

Name	Batch	Designation	Organization
Er. Sanpreet Singh Gill	2008	Environmental Scientist	Applied Environmental Inc.
Dr. Kamaljit Singh	1996	Research Associate	Department of Earth Science and Engineering
			Imperial College London, UK
Er. Sanjay Bhalla	1988	Vice President at Mapei	Past: SIKA as a Country Head
Er. Girdhari Lal Goel	1982	Chief Engineer	Indian Railways

Name	Batch	Designation	Organization
Er. T.S. Chahal	1981	Chief Engineer, PWD, B&R	Punjab
Er. Jagmohan Syal	1979	CEO, M/S IUP Jindal Metals and Alloys Ltd	New Delhi
Er. Sukh Dhaliwal	1979	Member of Parliament	Canada
Er. Nazar Singh Manshahia	1978	Former Senior Environmental Engineer	Punjab Pollution Control Board
			MLA From Mansa, Punjab
Er. Manjit Singh Saini	1977	Ex.Chief Engineer, Indian Railways	Indus Consultants Pvt. Ltd.Gurgaon
		Owner/ Managing Director	
Er. Rajnish Calay	1975	Professor, University of Tromso	Norway

Recent Alumni at National Front



Shubham Sharma
IES (AIR-26) - 2018



Vishal Bhola
IES (AIR-69) -
2018



Akashdeep Singh
IES (AIR-12) - 2019



Arjun Sharma
IES (AIR 42)-2020

Alumni in Defence



Hargurdeep Singh
Indian Army
(Batch 2007-2011)



Gurmehar Singh
US Army
(Batch 2008-2012)



Simranjit Singh
ITBP
(Batch 2011-2015)



Saravjeet Singh
Indian Navy
(Batch 2015-2019)



Sudeep Singh
Indian Army
(Batch 2015-2019)

Alumni at International Front



Sukh Dhaliwal
Member of Parliament, Canada
(Batch 1979-1983)



BP Singh
Managing Director,
Nirmolak Consultancy
Services, Toronto,
Canada
(Batch 1979-1983)



Gurpreet Singh Sohal
Regional Practice Lead
Bridges West in WSP, Canada
(1997-2001)



Amandeep Singh
Actor in Hollywood Movies
(Batch 2010-2014)

Alumni at International Front



Mandeep Kaur Arora
Systems Delivery Manager at
SNC Lavalin, Canada
(Batch1997- 2001)



BP Singh
Managing Director,
Nirmolak Consultancy
Services, Toronto,
Canada
(Batch 1979-1983)

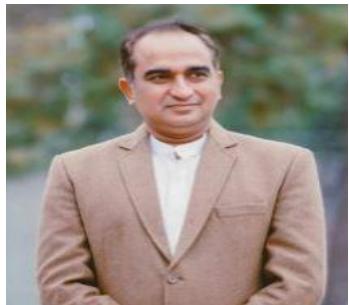


Gurpreet Singh Sohal
Regional Practice Lead
Bridges West in WSP, Canada
(1997-2001)



Amandeep Singh
Actor in Hollywood Movies
(Batch 2010-2014)

Prominent Alumni



Dr. Navdeep Asija
Traffic Advisor to
Government of Punjab
(Batch 1994-1998)



Daljeet Singh Sidhu
Sub Divisional Engineer
Punjab PWD Building and
Roads
(Batch1991-1993)



M Sodhi
Executive Director
NHIDCL, Sikkim
(BE 1976-1980)



Col Harmandeep Singh
Part of Task force bomb
disposal at Taj Hotel in 2008

Prominent Alumni



Dr. Rajinder Ghai,
Executive Engineer,
Water Resources
Department, Govt. of
Punjab, Chandigarh



Inderjit Ghai
Managing Director at
General Highways and
Infracon Private Limited,
Chandigarh (Batch
1981-1985)



T S Chahal
Chief Engineer
Public Works Department
(Batch 1981-1985)



Harshant Verma
SDO, Irrigation
Department, Punjab
(Batch 2012-2016)

Good Initiatives/Practices

Good Initiatives/Practices- Student

- Online attendance -Visible to students/parents
- Inclusion of students in their final assessment
- Mentoring and Remedial Classes
- Use of ICT facilities in the classrooms
- Self learning -useful links available website
- Experts lecture/Field visits/Movies on typical Civil Engineering Construction
- Celebration of Engineers Day and Teachers Day etc
- Farewell to final year students by the department
- Student chapter of Civil Engineering Department ([Association of Civil Engineering Students - ACES](#))
- Augmentation of Research Facilities

Good Initiatives/Practices- R & D

- Yearly Technical Seminar/ Conference/ Workshop/ STTP
- Peer review Ph.D. and M. Tech thesis
- Display of faculty publications (journal)
- Compulsory Plagiarism checking as a part of thesis evaluation
- Booklets on Good Concrete Practices- Departmental library
- Interaction with professional bodies-IGS Ludhiana Chapter
- Training to field engineers
- Member from Industry/Alumni - BoS
- Setup of Punjab Road Safety and Traffic Laboratory – A joint initiative of Punjab Police and Guru Nanak Dev Engineering College, Ludhiana
- MoU with local construction industry-Training of students

A GLIMPSE AT THE RECENT TECHNICAL EVENTS





A GLIMPSE AT STUDENTS' RECENT ACTIVITIES





A GLIMPSE AT STUDENTS' ACTIVITIES

A Glimpse at Students' Activities



A Glimpse at Students' Activities

Guru Nanak Dev Engineering College, Ludhiana
ASSOCIATION OF CIVIL ENGINEERING STUDENTS

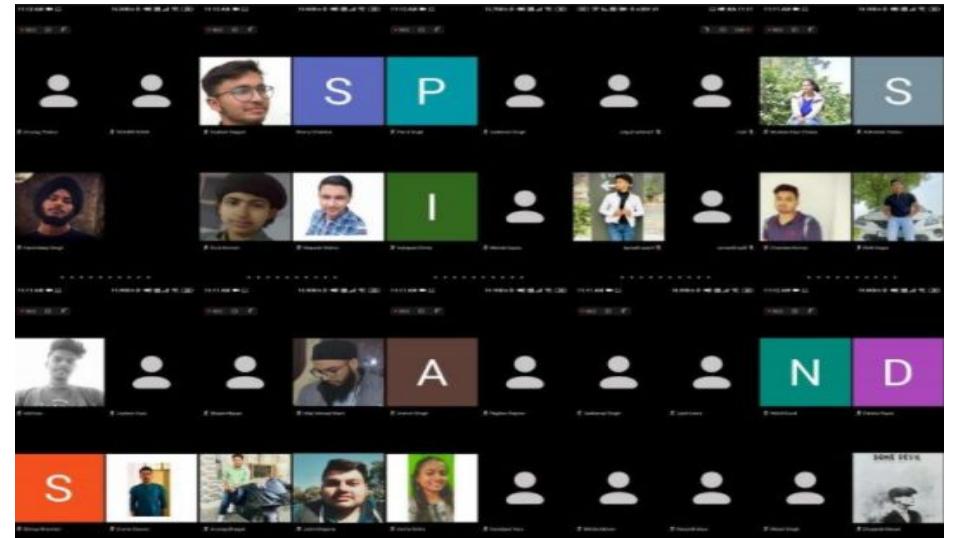
WEBINAR
ON
"GETTING STARTED
WITH GIT AND GITHUB"

Use your time to learn something new in this time of
World Pandemic through E-Learning Webinar

On Sunday, September 27, 2020
at 11 a.m.




Speaker
Amanjot Singh
Student, Developer and Tech Enthusiast



GURU NANAK DEV ENGINEERING COLLEGE,
LUDHIANA
I-GNEZ

DESIGN MANIA



A Glimpse at Students' Activities



GURU NANAK DEV ENGINEERING COLLEGE
LUDHIANA

ASSOCIATION OF CIVIL ENGINEERING STUDENTS

FREECAD

**THE
"DESIGNING CONTEST"**

**USE YOUR FREE CAD SKILL TO ENHANCE
YOUR MIND AND PERFORMANCE**

Logos for Guru Nanak Dev Engineering College and Association of Civil Engineering Students (ACES) are visible at the top of the poster.



A Glimpse at Students' Activities



**Guru Nanak Dev
Engineering College,
Ludhiana**

i-GNEz

**BRIDGE
CONSTRUCTOR**

LIVE WEBINAR ON

DURABILITY OF CONCRETE

WEDNESDAY MAY 26, 2021 | 11AM TO 12PM

IN CONVERSATION WITH

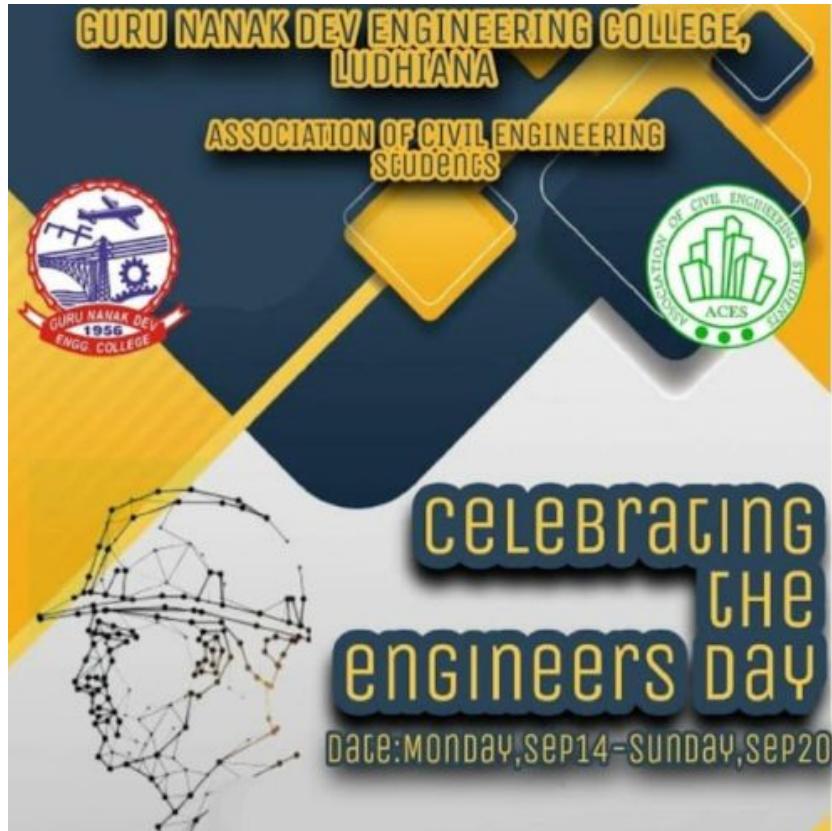
Mr Vikas Malhotra
Zonal Head
Customer Technical Services Department

ORGANISED BY:
**DEPARTMENT OF CIVIL ENGINEERING,
GURU NANAK DEV ENGINEERING COLLEGE, LUDHIANA**

IN ASSOCIATION WITH JK CEMENT LTD.

JK CEMENT LTD.

A Glimpse at Students' Activities



CED in News

Two-day international conference on waste management through design

RUBY DHAWAN
Ludhiana, November 3

Disposal of industrial and agricultural waste in a sustainable manner is a herculean task before the engineers/technocrats. To address the issue a two day International Conference on "Sustainable Waste Management through Design" is being organized by Department of Civil Engineering, Guru Nanak Dev Engineering College, Ludhiana.

Dr K S Gill, Professor & Head, Civil Engineering Department, GNDEC, in his introductory speech highlighted the relevance of this conference quoting the current stubble burning problem in this part of north India. He also emphasized the multidisciplinary role of engineers to find a viable solution



will enable different researchers and practitioners to exchange their experience and share best practices for sustainable development.

ability is the need of an hour.

He congratulated Civil Engineering Department, GNDEC for bringing a much needed topic of concern in the form of this two day International Conference. He further highlighted that this event

key note lectures during the inaugural session include, Er M I S Saini, Founder, Indus Consultants Pvt Ltd., Dr G L S Babu, President, Indian Geotechnical Society, Dr J N Jha, Principal, MIT Muzaffarpur, Dr Kaushik Bandyopadhyay from Jadavpur University, Dr Raj Calay from Norway and Dr S S Malik from Pune.

Organizing Secretary, Dr Jagbir Singh, welcoming all delegates outlined that the conference aims to provide a unique opportunity to highlight recent advances, new directions, and opportunities for sustainable and resilient approaches to design and protect infrastructure and the environment. Dr H.S. Rai, Dean consultancy, proposed the vote of thanks.

TRAINING FOR STRUCTURAL ENGINEERS

Ludhiana: A five-day training programme on 'Analysis and Design of RC buildings: Concepts and Practice' started at Guru Nanak Dev Engineering College. The course is being conducted by the Civil Engineering Department of the college, under the Quality Improvement Programme of the AICTE, to develop the necessary structural design skills in the faculty and research scholars participating in the training programme. Head of the Department, Professor KS Gill, extended a warm welcome to the delegates and briefed the audience about the programme and other associated activities. Faculty coordinator Dr Harvinder Singh said the course aimed at upgrading the skills of the participants to come up with better structural systems and help the local community build better and sustainable houses. On the first day of the course, experts apprised the participants of new developments in the geotechnical investigations. More than 35 participants from academia and practicing structure engineers are attending this course.

ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਇੰਜੀਨੀਅਰਿੰਗ ਕਾਲਜ ਵਿਚ ਦੋ ਦਿਨਾਂ ਅੰਤਰਰਾਸ਼ਟਰੀ ਕਾਨਫਰੰਸ



ਇੰਜੀ ਅੰਮ ਆਈ ਅੰਸ ਸੇਟੀ
ਸੇਸ਼ਨਾਵ, ਇੱਕ ਕਿਸਲਰੀ ਸ
ਪਾਂਡਾਵੇਟ ਲਿਮਿਟਿਡ, ਭਾਵ
ਕੀ ਅੰਮ ਅੰਸ ਬਾਅਦ, ਪਾਂਡਾ
ਵਿੱਕਾਗਲ ਜਿਉਂਦੇ ਕਾਨੂੰਨੀ ਕਾਨੂੰਨ
ਸਸ਼ਾਇਟੀ, ਭਾਵ, ਸੈਨਾਨ
ਪਿੰਸ਼ੀਪਲ, ਅੰਮ ਆਈ ਟੀ
ਹੁੰਦੇ ਹਨ, ਭਾਵ ਅੰਸ ਅੰਸ ਮਿਲਿਕ
ਪੁਣੇ ਨੂੰ ਲੈ ਅਪਣੇ ਪੱਤਰ ਦੇ
ਕੁਜੀਤ ਵਿਚਾਰ ਸਾਡੇ ਕੀਤੇ।

CED in News



‘ਕੰਕਰੀਟ ਦੀ ਹੰਦਣਸਾਰਤਾ’
ਵਿਸ਼ੇ ’ਤੇ ਕਰਵਾਇਆ ਵੈਬੀਨਾਰ

ਗੁਰ ਨਾਨਕ ਦੇਵ ਕਾਲਜ ਵੱਲੋਂ ਵੈਖਿਨਾਰ

ਲੁਧਿਆਣਾ: ਲੁਧਿਆਣਾ ਦੀ ਸਥਿਰਤਾ ਅਤੇ ਲੰਮੀ ਉਮਰ ਦੀ ਮਹੱਤਤਾ ਨੂੰ ਧਿਆਨ ਵਿਚ ਰੱਖਦੇ ਹੋਏ, ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਇੰਜਨੀਅਰਿੰਗ ਕਾਲਜ, ਲੁਧਿਆਣਾ ਦੇ ਪ੍ਰੈਸ਼ਰ ਅਤੇ ਹੈਂਡ ਭਾਾ, ਹਰਦੀਪ ਸਿੰਘ ਰਾਇ ਦੀ ਅਗਵਾਈ ਹੇਠ ਜੋਕੇ ਸੀਮੇਟ ਦੇ ਸਹਿਯੋਗ ਨਾਲ 'ਕੰਬਰੀਟ ਦੀ ਹੰਦੁਸਟਰੀ' ਤੋਂ ਵੇਖਿਨਾਰ ਕਰਵਾਇਆ ਗਿਆ। ਕੋਆਰਡੀਨੇਟਰ ਪੈ. ਯੁਵਰਾਜ ਸਿੰਘ ਨੇ ਕਿਹਾ ਕਿ ਇਹ ਜ਼ਰੂਰੀ ਹੈ ਕਿ ਅਸੀਂ ਕੰਬਰੀਟ ਦੀ ਹੰਦੁਸਟਰੀ ਨੂੰ ਪ੍ਰਤਿਵਿਤ ਕਰਨ ਵਾਲੇ ਕਾਰਨਾਂ ਅਤੇ ਵੇਰਵਿਆਂ ਵੱਲ ਧਿਆਨ ਦੇਈਂਦਾ ਮਾੜੀ ਉਸਾਰੀ ਕਾਰਜਾਂ ਦੇ ਨਤੀਜੇ ਵਜੋਂ ਹੈਂਡ ਵਾਲੇ ਵੱਡੇ ਮੁੰਹਤ ਅਤੇ ਰੱਖ-ਰਾਖ ਦੇ ਨੁਕਸਾਨ ਤੋਂ ਬਚਿਆ ਜਾ ਸਕੇ। ਭਾਗ ਜਗਾਬੀਰ ਸਿੰਘ ਨੇ ਉਕਤ ਵਿਵੇਂ ਦੀ ਮਹੱਤਤਾ ਅਤੇ ਸਾਰਥਕ ਤਾਦ ਦਾ ਜ਼ਿਕਰ ਕੀਤਾ। ਜੀਅੰਨਡੀਅਰੀ ਦੇ ਪ੍ਰਿੰਸੀਪਲ ਭਾਾ, ਸਹਿਯੋਗ ਸਿੰਘ ਨੇ ਪ੍ਰਬੰਧਕਾਂ ਨੂੰ ਉਨ੍ਹਾਂ ਦੇ ਸਫਲ ਯਤਨਾਂ ਲਈ ਵਧਾਈ ਦਿੱਤੀ। ਅਥੀਰ ਵਿੱਚ ਪੈ. ਯੁਵਰਾਜ ਸਿੰਘ ਨੇ ਇਸ ਪ੍ਰੋਗਰਾਮ ਨੂੰ ਸਫਲ ਬਣਾਉਣ ਲਈ ਸਮੂਹ ਭਾਗੀਦਾਰਾਂ ਅਤੇ ਪਾਰਵੰਡਿਆਂ ਦਾ ਧੰਨਵਾਦ ਕੀਤਾ।

ਖੇਤਰੀ ਪ੍ਰਤੀਨਿਧ

ਜੀ. ਅੰਨ. ਡੀ. ਈ. ਸੀ. ਨੇ 'ਕੰਕੀਟ ਦੀ ਸਥਿਰਤਾ' ਤੇ ਵੈਖੀਨਾਰ ਦਾ ਆਯੋਜਨ

ਲੁਧਿਆਣਾ, 28 ਮਈ
(ਬਿਕੀ)।—ਗੁਰੂ ਨਾਨਕ ਦੇਵ
ਇੰਡੀਆਨਾਰਡ ਕਾਲਜ਼ ਦੇ
ਲੁਧਿਆਣਾ ਵਿੱਚ ਭਾਗ
ਪੈ. ਅਤੇ ਪ੍ਰਮੁੱਖ, ਭਾ. ਅਨੇਂ
ਅਗੋ. ਰਾਏ ਦੇ ਕੁਝ ਮਾਰਗ
ਦਰਸ਼ਨ 'ਚ ਸੰਗ੍ਰਹਣਾਵਾਂ ਦੀ
ਸਹਿਤਾ ਦੇ ਮੱਹੰਤਵ
ਕੰਮ ਕੀਤਾ। ਸੰਗ੍ਰਹਣ ਵਿਚ ਰੱਖਦੇ ਹੋਏ ਮੁੰਨ
ਕੇ, ਸੰਗ੍ਰਹਣ ਲਿਆ, ਸੰਹਿਰੀ
ਨਾਲ 'ਕੰਬੀਵਾਂ ਦੀ ਸਹਿਤ'।



ਸੈਮੀਨਾਰ 'ਚ ਭਾਗ
ਲੈਂਦਾ ਵਿਦਿਆਰਥੀ

‘ते एक वैष्णव से
आजेजन बीउ।

ਕੁਆਰਡੀਨਟਰ
ਯੁਵਰਾਜ ਸਿੰਘ

पृथिवीगामी ने सबपर
वरदिलों किंवा विस्थितवर
ने स्थावरा देण अंति
सिरजठां विग्रहन वाले
धराव निरमाण पक्षाव
कारन हेण वाली डारे
मरीमति अंते संबंध-संबंधले

ਨੁਕਸਾਨ ਤੋਂ ਬਚਣ ਲਈ ਕੰਗੀਟ ਦੀ
ਸਥਿਰਤਾ ਨੂੰ ਪੜਾਵਿਤ ਕਰਨ ਵਾਲੇ
ਵੇਰਵਿਆਂ ਅਤੇ ਕਾਰਕਾਂ 'ਤੇ ਗੋਰ ਕਰਨਾ
ਮਹੱਤਵਪੂਰਨ ਹੈ।

जीएनडीईसी ने कंक्रीट की स्थायित्व पर कराया वेबिनार



Keeping in view the importance of sustainability and longevity of structures, civil engineering department of Guru Nanak Dev Engineering College, Ludhiana organised a webinar on 'durability of concrete' in association with JK Cement Ltd. Coordinator Prof Yuvraj Singh, while addressing the participants said it is vital to look into the details and factors affecting the durability of concrete in order to promote sustainability and to avoid huge repair and maintenance losses resulting due to poor construction practices leading to early deterioration of structures. The expert from JK Cement, Vikas Malhotra besides detailed discussion on the properties and behaviour of concrete,

CED in News

Efficient green buildings need of the hour: Experts

TRIBUNE NEWS SERVICE

LUDHIANA, DECEMBER 17

Building construction and its upkeep for livable conditions requires huge energy in the form of lighting, air-conditioning, operation of appliances, etc. Green building ie energy efficient building is the one which can reduce energy consumption as compared to conventional building.

To address this issue a five day short term course on "Green Building and Techniques" from December 17-21, 2018 is being organised jointly by Department of Civil Engineering, Guru Nanak Dev Engineering College, Ludhiana and National Institute of Technical Teachers Training and Research, Chandigarh.

Dr K S Gill, Professor and Head, Civil Engineering Department, GNDEC, in his welcome speech highlighted the relevance

A five-day short-term course on 'Green buildings and techniques' was held at GNDEC

of this course quoting the current environmental issues. He further highlighted that this course will enable the participating teachers to learn new techniques being followed to turn buildings into green buildings.

A green building is one which uses less water, improves energy efficiency, conserves natural resources, generates less waste and provides healthier spaces for occupants as compared to a conventional building.

Dr Sehjpal Singh, Principal, GNDEC, said that constructing Green Building is the need of an hour and congratulated Civil

Engineering Department, GNDEC and NITTTR, Chandigarh for bringing a much needed topic in the form of this five day short term course.

Chief guest of the inaugural function Sanjay Goel, Director - Ludhiana Smart City Limited, graced the occasion. He congratulated Guru Nanak Dev Engineering College for providing quality engineers for the society.

Course Coordinator Himmi Gupta, Assistant Professor, NITTTR, Chandigarh said that during this five day long short term course, various topics including global environmental issues, concepts and importance of green buildings, its components and design, energy conservation building code, rating systems for green buildings and case studies will be discussed by eminent engineers and architects.

HINDUSTAN TIMES, JALANDHAR
TUESDAY, DECEMBER 18, 2018



A guest being honoured during the inaugural function of course on 'Green Buildings and Techniques' at Guru Nanak Dev Engineering College in Ludhiana on Monday.

HT PHOTO

Five-day course on 'Green buildings' starts at GNDEC

HT Correspondent

Ludhiana@hindustantimes.com

LUDHIANA: A five-day course on 'Green building and techniques' is being organised at Guru Nanak Dev Engineering College (GNDEC), Ludhiana.

The course, which began on Monday, is being organised jointly by the department of civil engineering, Guru Nanak Dev Engineering College (GNDEC), Ludhiana, and National Institute of Technical Teachers Training and

Research (NITTTR), Chandigarh.

K S Gill, head, civil engineering department, GNDEC, highlighted the relevance of the course quoting the current environmental issues.

He said the course will enable teachers to learn new techniques being followed to turn buildings into green buildings.

GNDEC principal Sehjpal Singh said constructing green buildings is the need of an hour. The chief guest, Sanjay Goel, director, Ludhiana Smart City

Limited, congratulated GNDEC for providing quality engineers for the society.

Course coordinator Himmi Gupta, assistant professor, NITTTR, Chandigarh, said during the five-day course, various topics, including global environmental issues, concepts and importance of green buildings, its components and design, energy conservation building code, rating systems for green buildings and case studies will be discussed by eminent engineers and architects.

Student Achievements

राष्ट्रीय स्तर की प्रतियोगिता में जी.एन.ई. के छात्र छाए

लखियाना, 25 फरवरी (विवक्ती):

गुरु नानक देव इंजीनियरिंग कॉलेज के सिविल इंजीनियरिंग विभाग के छात्रों ने 19वीं स्टील इंटीमेल इनोवेटिव रिंग प्रतियोगिता में दीर्घांती स्पैशन प्राप्त किया है। वह गणराज्य तंत्र की प्रतियोगिता कोलकाता में हस्टीचूट ऑफ स्टील डिवलपमेंट एंड ग्रोथ द्वारा आयोजित की गई। इह गणराज्य तंत्र के अंतर्गत एवं एस.एस.एस. सिविल



सफलता पाने वाले स्टडेंट्स के साथ प्रबंधक

कालिकों और यूनायडिनों की 87 टीमों में 3 गोडक का सख्त बुलडोग किया और काइलन में जाह बनाने की कोशिश की। कृष्ण मुरारी, सिद्धिविल रिल्य, सिद्धिविल योंगें, योंग एंड बी, विलिंग्सन ब्रिटिश विभाग के छात्र ने यूनायडिनों का बाल्य प्राप्त किया। उन्होंने बताया कि वहले 3 गोडक के बाद टीपु 16 टीमों को अंतिम तीर 4 गोडक के लिए चुना गया। अतिम दूर के दीवान शीर्ष 16 टीमों ने पैरेंटेशन के माध्यम से स्ट्रक्टरल इन्विटेशन के क्षेत्र पर प्रतिवाद हस्तांतरों के आगे अपना प्रोजेक्ट प्रस्तुत किया। इसके बाद योंग भारत से पहुंची 87 टीमों में से 3 विताया चुना गया और आर्कोन्क के प्रियोन ब्रावो ने विद्या ग्रामा। परिसारिवल बताया गया कि प्रमुख, एच.एस. रघु ने सभी छात्रों को बधाई दी और उन्हें प्रविष्ट्य में भी इसी तरह मेहनत करने के लिए प्रोतोकॉल किया। जी.एन.ई. के प्रिसेपल डा. महमद अलीम सिंह ने इस यात्र्यों की उपलब्धियों को जी.एन.ई. के छात्रों की उपलब्धियों के क्षेत्र में एक और और एक प्रसिद्धि दी। विद्या ग्रामा का अन्तिम कौशल को अंतर्राष्ट्रीय स्तर पर ले जाने के लिए प्रीति किया।

GNDEC bhangra team gets selected for nationals

LUDHIANA: The bhangra team of Guru Nanak Dev Engineering College (GNDEC) was selected for the nationals. It had won the north zone inter-university youth fest and they had also won the 35th AIU Inter-University Youth Festival held at Guru Nanak Dev University, Amritsar from December 25 to 29. GNDEC team won in the folk

dance category wherein 22 performances were presented. They will be participating in the AIU National Youth Festival, 2020, that will be held at Amity University, Noida. The principal lauded the efforts of the students.



ਗਰ ਨਾਨਕ ਦੇਵ ਇੰਜੀਨੀਅਰਿੰਗ ਕਾਲਜ ਦੇ ਵਿਦਿਆਰਥੀ ਨੇ ਕੀਤਾ ਹੋਲੀਵੁਡ ਦੀ ਫਿਲਮ ਵਿਚ ਕੰਮ



**City youth
secures AIR 12
in UPSC exam**

Ludhiana: Akashdeep Singh, a former student of GNDEC (2016 batch), secured an all-India rank 12 in UPSC conducted Engineering Ser-

Student Achievements

कुदरती आपदा में पीड़ितों का सहारा बनेगी स्मार्ट हट

◆ जी.एन.ई. कालेज के सिविल इंजीनियरिंग ब्रांच के स्टूडेंट्स ने तैयार की हट

तुष्णयाना, 14 अप्रैल (मन्त्रीर) : स्पार्टा इन्डिया में अब लोगों के पास अन्यान्य स्थान हट जाएगा तो कैसे कैसे से लेकर कुदरती आपदा में इस्तेमाल कर सकेंगे यह स्थान हट को स्थानीय आपदा ईंटरेंटी रोटीकर के रूप में भी प्रयाग का सकता है। इसे युग नाना देव इंजीनियरिंग कालेज के विद्यार्थियों ने बनाया है। यह इंजीनियरिंग ब्रांच के विद्यार्थी द्वारा बनाया गई एक स्थान हट को चंडीगढ़ यूनिवर्सिटी में आयोगी टैक इंजीनियरिंग द्वारा जिले ओरिक परियोग की जाएगी तो यह पूरी तरिका 1 लाख रुपए की इनाम राशि से सम्पादित किया। यांग चंडीगढ़ रोड सिंह की अध्यक्षता में इसे कालेज के विद्यार्थी सिद्धांशु यासोनी, चिंद्रजीत सिंह, रोमान सिंह, हरजात सिंह, सरदिरपाल सिंह, विपन कुमार, सुखरम सिंह ने तैयार किया है।



महज 25 मिनट में तैयार
हो जाती है स्मार्ट हटः

एल्यूमीनियम और पी.वी.सी. शीट्स से बनी स्पॉट हट का 25 मिनट में बितायर कर सकते हैं। प्रयोग के मौके पर इसे बायाप डिस्पेलर करने में केवल 5 मिनट का समय लगता है। 8 बाया घुट की हड्डी हट पीरी तरह से बाटर प्रूफ है। डिटॉर्डेस का कहना है कि एक बार प्रयोग करने उपरांत इसे दोबारा कई बार फिर से इत्तमाल किया जा सकता है।

सिद्धार्थ ने कहा कि यह स्मार्ट हट आग लोगों के लिए जल्द बाजार में उपलब्ध होगी। इसके लिए प्रॉजेक्ट को पैटेंट कराया गया है। इकूली कीर्तन 14 हजार रुपए है। उन्होंने कहा कि जरूरत के अनुसार इसे मौद्रिकांड कर सकते हैं। हां कि यहां करने में तीन दिन का समय लगाया, जिसके बाद इसे बाहर निकालने में अपेक्षित यह डिस्पेलर खुद कर सकेगा। उन्होंने कहा कि बाद, भूकंप आदि की स्थिति में रेकॉर्ड औपरशन दोरान इस हट का प्रयोग किया जा सकता है।

बाजार में आम लोगों के लिए उपलब्ध होगी स्मार्ट हट

सिद्धार्थ ने कहा कि यह स्मार्ट हट आम लोगों के लिए उन्नत जागरूक में अप्रवल्ली होगी। इकैके लिए प्रोजेक्टर के पटेटे करवाया गया है। इकैकी कीर्तन में यह आरंध रुप है। उन्होंने कहा कि जरूरत के अनुसार इसे मोडिफाई कर सकते हैं। हाफ के तौरपर गर्ने में तो दिन का समय लगाया, जिसके बाद इसे किंवद्दि भी मान दें और अप्रवल्ली डिस्प्लैन खुद कर सकेंगे। उन्होंने कहा कि बाद, भूकंप आदि की चिह्नों में रेकॉर्ड औपरशन दोरान इस हट का प्रयोग किया जा सकता।

GNDEC students build ₹14,000 Smart Hut

TRIBUNE NEWS SERVICE

LUDHIANA, APR.

Students of third year of civil engineering, Guru Nanak Dev Engineering College, have come up with a Smart Hut.

A group of seven students, comprising Sidharth Popli, Bhinderjeet Singh, Robin Singh, Harjot Singh, Satinderpal Singh, Vippan Kumar and Sukhchain Singh, won first prize of Rs 1 lakh in the 'Tech Invent' fest held at Chandigarh University.

The hut can be easily assembled and disassembled. "It takes 25 minute to assemble and five minutes to disassemble the hut. The total cost of the smart hut is around Rs 14,000," said Siddharth Popli.

"The hut is the best solution when one wants to go for camping and can also prove helpful during natural calamities such as earthquake," said Robin Singh.

"After winning second prize in innovation project at Kapurthala Science City on March 19, our guide Charanjit Singh saw our potential



Smart hut built by students of the GNDEC. TRIBUNE PHOTO

project. He guided us thoroughly during the project to be held at Chandigarh University," the team said.

Made of fiber sheets, the boat has a capacity to hold four or five people and has the facility of a light and a fan. It can prove to be the perfect solution for those

Thanks for your attention....