

Contents

	Page
About Himachal	02
About Us	03
Principal Desk	04
Placement Cell	05
Why VCOE	06
Facilities for Recruiters	07
Our Recruiters	08
Infrastructure	09,10
Student Activities	11,12
Tech Fest	13
Job Fair	14
VCOE in News	15,16
VCOE in News	17
Student Demographics	18
Department of Computer Science	19,20
Department Electronic & Communication	21,22
Department of Electrical Engineering	23,24
Department of Civil Engineering	25,26
Department of Mechanical Engineering	27,28
Faculty Profile	29,30

About Himachal



Himachal – An Educational Paradise for Students

Popularly known as the Devbhumi – "Land of the Gods", Himachal Pradesh is a beautiful hill state in India. The state is landlocked with the Tibetan plateau to the east, Jammu and Kashmir to the north, and the Punjab to the west. Himachal Pradesh has the second highest literacy rate in India next to Kerala. The standard of education in the state has reached a considerably high level as compared to other states in India with several reputed educational institutes for higher studies. The state government is working constantly to prepare plans and projects to strengthen the education system. The opening of Indian Institute of Technical Education, Mandi is a milestone for the Himachal Pradesh Government. Also, as a part of the Government's effort to strengthen the education system, the Himachal Pradesh Technical University, which is the affiliating university for all the Technical Colleges run in the state, keeps on upgrading its syllabi from time to time to educate the students according to the prevailing industrial scenario.

Students of Himachal- Aptitude to Excel

The students of Himachal are considered to be hardworking, loyal and have a spirit of social adaptability and leadership. Various researches have proved that students here in Himachal have high degree of intelligent quotient. By virtue of their inherent nature they have comparatively one of the lowest rate of attrition pan India on joining corporate world as a fresher. They are considered to be enthusiastic and dedicated to their work profiles.



About Us



Message from Principal's Desk

Modern era is driven by globalization and fast paced world economy excelling every minute at an amazing speed. Recent technological advancements have influenced our lives many fold. Every young mind today is faced with a challenge of keeping pace with the growing global changes as also to derive maximum advantages of technology revolution.

VCOE was established in the year 2010 under the aegis of Mata Vaishno Devi Educational Society with the aim to provide higher education to the Students. At VCOE, we strive to shape young minds who can excel in their respective fields. The emphasis is on developing a well rounded personality in the students who are trained to be prudent and practical with an ability to balance vision with ground reality.

Growth and evaluation are the hallmark of a vibrant institution. From this perspective the strides made by this College are impressive. We have expanded the outreach and scope of our academic activities with every passing year. The corresponding infrastructure has similarly witnessed requisite up gradation. It is a measure of our accomplishment that we have introduced PG Courses in the College. It is owing to the fast growing reputation of this College that we have students from the neighbouring states.

Longitudes & latitudes

The Campus is located at Village Thapkour, PO: Bhadroya, Tehsil Nurpur, Distt. Kangra (H.P) 176403 which is at Kandwal-Bhadroya-Pathankot State highway. It is 8kms from Kandwal Barrier (HP) & 3kms from Chakki Bridge (Pathankot). Local buses are available from both the places every half-an-hour. Nurpur town is 20kms, Indora 15kms & Pathankot City is just 3kms from the Campus.



We at VCOE provide one stop platform for the emerging professionals in the field of Engineering & Technology to successfully acquire the 21st century skills. Our programs are future oriented and encourage students to acquire ideas, pursue excellence and celebrate discoveries. VCOE demands full participation from its students to develop their complete personality so they are able to stretch and increase their potential. Education at VCOE empowers students to challenge and to lead. Our endeavour is to develop employable professionals who are the best fit in their respective industry. Thus a comprehensive training program aimed at imparting soft skills, industrial skills and a leadership skills is embedded in the college curriculum.

Lt. Col.(Retd.) A.K.Khajuria



Placement Cell

Our Vision:

To impart necessary training to our students to meet the expectations of the Industry and to achieve 100% placement by providing them adequate job opportunities.

Our Mission:

- To provide sufficient training on aptitude tests, group discussions, presentations, communication skills, soft skills, facing HR and Technical interviews, to enhance the employability of the students.
- To make the students aware about the corporate culture and career opportunities by organizing guest lectures, workshops, seminars and industrial trainings by experienced personnel from the Industry.
- To partner with renowned organizations from the Industry and organize recruitment drives for our students within and outside the campus.

Formation of Placement Cell



To carry out activities for accomplishing its mission, the Training and Placement cell was formed with following members from the faculty:

1. Mr. Ankush Gupta
2. Mr. Jatinder Kumar
3. Mr. Abhishek Bhagwan
4. Mr. Randeep Singh
5. Ms. Amanpreet Kaur
6. Ms. Sukhkirandeep Kaur
7. Ms. Neha Mahajan



WHY VCOE?

Though, Vaishno college of engineering is in its infancy stage, it has already made a mark in the field of engineering. VCOE has got plenty of admissions within a very small span of time. VCOE ensures that academics is not confined to the classroom or straitjacketed within a prescribed syllabi, students are encouraged to move beyond the boundaries of course content & to explore various dimensions of knowledge. VCOE provides discussion forums to fasten critical thinking and to provide platform for honing talent in debates, dramatics, public speaking, quizzes & so on. It is a place which provides smooth entry into a career that offers ample opportunity for progress & learning. To facilitate this, there is a training & placement cell which maintains links with business houses & potential employers, inviting the leading corporate entities from diverse industries to select & place its students.

The teaching faculty of VCOE is highly qualified, dedicated and committed to upgrading their professional acumen. The methods of teaching are innovative and are aimed at stimulating the individual thought process & creating talented students. Healthy interaction between teachers & students facilitates a very encouraging & motivating learning environment in the college. To expose the students to the best brains in their respective fields, extension lectures and seminars are organized by the college wherein eminent educationalists, subject experts & professionals are invited to deliver lectures and to conduct workshop for students. VCOE also imparts world class finishing training programs by industry experts that prepare students for specific roles in the industry thereby giving them a definite edge over others. These programs cover both 'Technical and Business skills'. The mission is set to produce globally competitive technocrats and managers.

The batch of 2010-14 truly reflects VCOE's strengths which among many include versatility, innovation, a keen interest in learning, and being able to excel in a fiercely competitive world.

“VCOE provides the best to its students, to derive the best out of them.”

Facilities for Recruiters

Faculty and student coordinators will be available for the recruiters for making all required arrangements on the day of recruitment drive. Seminar Hall with a capacity of up to 200 students for conducting pre-placement talks, analytical tests, etc. will be provided to the recruiters. Group discussion and personal interview rooms will be provided to the recruiters.



Travel and Accommodation

The College Campus is located in a very peaceful and calm location in Himachal Pradesh which is just about 3 kms from Pathankot city. Pathankot, which is a district of Punjab State, shares border with Himachal Pradesh and Jammu & Kashmir and is very well connected with them.

To reach our college, the following are the most easily accessible arrival points:

1. Chakki Bank Railway Station, Pathankot, Punjab. – About 6 Kms from the college.
2. Pathankot Railway Station, Pathankot, Punjab. – About 7 Kms from the college.
3. Kangra Airport, Kangra, Himachal Pradesh. – About 70 Kms from the college.
4. Pathankot Bus Stand – About 7 Kms from the college.

The college will arrange for a pick and drop service for these points. You can also travel by car from your departing city to our college. The accommodation will be provided in the best hotel in Pathankot.

The interested companies are requested to inform the placement cell about its schedule for placement well in advance so that proper arrangements can be made for their representatives.

Our Recruiters





Infrastructure / Amenities

CAMPUS

The campus has been developed over an area of more than 15 acres. The complex includes spacious class rooms, seminar halls & common rooms for girls and boys, well equipped laboratories & vast playgrounds. In-campus deep bore well provides ample quantity of fresh water round the clock. Water Coolers are installed in both academic and residential areas fitted with aqua guards to provide clean drinking water to the students. In addition to the stand by generator set, a 125 KVA UPS has also been installed to provide uninterrupted power supply in the event of power failure. Separate hostel for boys and girls provide a home away from home to the boarders.



Library



VCOE library combines the virtues of classic reading with the strength of 21st century technology and it has a vast collection of text books for students besides a collection of reference Books, Journals and periodicals. More than 10% books are added every year on recommendations of both faculty members and students. The library has a separate reference section, magazine and periodical section and a reading room. Provisions for reprography, photocopy and binding are also available.

Workshop



A workshop is a place where the budding technocrats learn handling of tools and basics operations on machines. We have a well maintained workshop with latest and most advanced equipment procured from reputed brands.

Hostel



In Campus hostel facility is available for boys and girls separately on sharing basis. The building is newly constructed with spacious fully furnished and well ventilated rooms. A common room with television and indoor games is available which provides the hostel inmates an avenue for relaxation. Round the clock water supply with solar water heating system and captive power supply is also available in case of power failure.

Wi-Fi Campus

A dedicated 4Mbps line has been installed to provide uninterrupted internet facility round the clock with 125 KVA UPS for back up. Through this line connected with other Hi-Tech gadgets the college has created a secured Wi- Fi zone in the campus.

Lab Facility



From the very beginning VCOE has taken the lead in establishing well equipped and modern lab facilities. The mission of VCOE is to enhance knowledge and educate students in latest technology used in industry and also to understand the practical aspects of each course/subject in depth. We are committed to generate, disseminate and preserve knowledge. With this aim, the laboratories at VCOE are equipped with tools and instruments to cater to the requirements of budding technocrats.

Canteen & Stationery

A spacious canteen is functional in the campus serving hygienic snacks and refreshments. This also provides an avenue for relaxation for students and the staff. An exclusive stationery shop is available within the campus catering to the daily stationery requirements of the students including text books. Facilities like photocopying binding and lamination etc. are also available at the shop.

Computing Facility



VCOE offers a state of the art computing facility with 1:1 student to Computer ratio. The computer labs housing more than 150 networked computers cater to the computing requirements of both staff and students. The computer labs offer the latest technology based terminals connected to servers.

Transportation Facility



Transportation facility has been arranged for the faculty, students and other staff at reasonable rates. College is providing buses from all near by areas such as Nurpur, Jwali, Indora, Pathankot & Kathua.

Student Activities

To achieve an all round excellence and to transform a young mind to a professional, who is not only technically sound but also a good human being, we at VCOE involve our students into a variety of activities wherein he can showcase and enhance his capabilities as well as support the social causes.



Aids Day Campaign

On 1st Dec 2012, a rally was organized by the students to spread awareness about AIDS in neighboring villages.



Traffic Awareness Campaign

As a part of Corporate Social responsibility, a Traffic awareness Campaign was organized on 02nd May 2012 followed by students educated the commuters on road safety at Pathankot, Kathua, Samba, Lakhanpur & Jammu.



Fresher Day

To welcome the fresh batch, fresher's day is celebrated at VCOE. This year the fresher's day was celebrated on 10th Nov 2012. The function was organized by the cultural and Co-Curricular activity Committee. Mr. Des Raj, MLA was the chief guest. The celebration started with lighting of the lamp of learning. The students mesmerized the spectators by presenting a variety of cultural events.



Sports Day

All work and no play makes jack a dull boy. To provide relaxation from the classroom sessions and also a platform for development of team spirit and leadership qualities, facilities for games and sports, both indoor and outdoor are available. Sports day is celebrated annually where students from all engineering streams are seen participating in huge numbers.



Blood Donation Camp

To mark the disability day on 17th Apr 2012, a blood donation camp was organized at VCOE under the supervision of Dr. Anju Puri, Zonal Hospital, Dharamshala. A number of students and faculty members donated blood.



Seminars & Workshops

Numerous interactive seminars and workshops by the experienced personnel of the corporate world are organized to enhance the technical & soft skills of the students.

Cultural Event

On 5th May 2012, Inter Branch Cultural Competition was organized by the Cultural Committee of the College where in students displayed their talents, which included folk dances, songs, skits, solo and group dances etc.





Tech Fest

To provide a national level platform for the students to showcase their talents, VCOE organized Tech Fest on 30th March 2013. About 1500 students from numerous colleges of various states attended the Tech Fest. Many cultural and technical competitions were held. In the end, the event was rocked by the dazzling performance of singing star Mr. Garry Sandhu, who has won the best newcomer Punjabi singer 2011 award.



Job Fair

“When the whole world was worried about firing, 20 + companies visited VCOE for hiring” About 200 candidates from numerous colleges situated in various parts of India got short listed for interview in Job Fair 2013 held at VCOE campus on 29th April 2013. The participating companies were impressed by the quality of students present at VCOE and appreciated the efforts of the students, faculty and the management.





VAISHNO

GROUP OF COLLEGES

Approved by AICTE, NCTE, HP Govt. & Affiliated to HP University & HP Technical University

When the whole world is worried about Firing
VGC has discovered 20+ Companies which are

HIRING !




Vaishno Group of Colleges
Invites Candidates for the

★ “MEGA JOB FAIR” ★

Eligibility : B.tech (ALL STREAMS), diploma in engineering (All Streams), M.tech (All Streams), 12th, BA, B.SC, B.COM, M.COM, MBA, MCA **Selection Procedure :** Written Test & Personal Interview **Registration :** On The Spot
Reporting Time : 8:45 am **Date :** 29th April, 2013
VENUE : Vaishno Group Of Colleges Campus at Thapkour, P.O. Bhadroya, Tehsil Nurpur, Distt. Kangra (HP)
Contact : 08427314915, 08427314354
E-mail : jobfair@vcoe.co.in **WEBSITE :** www.vgc.org.in

“Candidates must carry 10 copies of resume, 20 Passport photographs, all testimonials”

RECRUITERS



वाहन चालकों को बताए यातायात नियम

नूरपुर, 4 मई (राकेश): वैष्णो कालेज ऑफ एजुकेशन के विद्यार्थियों ने जसूर में राष्ट्रीय राजमार्ग पर स्थित मुख्य चौक पर खड़े होकर यहां से गुजर रहे वाहन चालकों को यातायात के नियमों की जानकारी देते हुए दोपहिया वाहन चालकों को हैल्मेट पहनने, वाहन चलाते समय मोबाइल का प्रयोग न करने व ट्रिपल सवारी न करने की जानकारी दी।

उन्होंने गाड़ी चलाते समय मादक पदार्थ के उपयोग से परहेज रखने का परामर्श दिया। इस मौके पर नूरपुर थाना के थानाध्यक्ष बृज मोहन, यातायात प्रभारी जीत सिंह व यातायात कर्मी मौजूद थे।

वैष्णो कालेज में मनाया अध्यापक दिवस

अमृतसर, 5 सितम्बर (अनुज): थपकोर नूरपुर स्थित वैष्णो कालेज में आज अध्यापक दिवस के अवसर पर कार्यक्रम का आयोजन किया गया। कार्यक्रम में कालेज के निदेशक राहुल पटानिया व वरुण गुप्ता मुख्यातिथि के रूप में उपस्थित हुए। कार्यक्रम की शुरुआत शर्मा गिरान करने से हुई। इस दौरान चार्ट मेकिंग प्रतियोगिता का आयोजन हुआ। इसके उपरान्त कार्यक्रम को मनोरंजन बनाने के लिए म्यूजिकल के चेंबर का आयोजन भी हुआ। कार्यक्रम



कार्यक्रम के दौरान उपस्थित अध्यापक, निदेशक राहुल पटानिया व वरुण गुप्ता। (नववीर)

में हंसो बिखरने के लिए इंजीनियरिंग के विद्यार्थियों ने स्किट प्रस्तुत की। राहुल पटानिया व वरुण गुप्ता ने बताया कि 2005 से वैष्णो कालेज शिक्षा के क्षेत्र में महत्वपूर्ण भूमिका निभा रहा है।



कार्यक्रम के दौरान बैठे किशन कपूर, साथ हैं रणजीत सिंह पटानिया व अन्य। (नववीर)

फ्रेशर पार्टी का आयोजन

अमृतसर, 24 जून (अनुज): थपकोर नूरपुर स्थित वैष्णो कालेज में बी.टेक. के विद्यार्थियों के लिए 14 दिवसीय कार्यशाला का आयोजन किया गया। कार्यक्रम प्रबंधक रणजीत सिंह पटानिया ने बताया कि इस कार्यशाला की आयोजन करने का मुख्य उद्देश्य विद्यार्थियों को किताबी ज्ञान के साथ प्रैक्टिकल ज्ञान देना और जैविक बनाने का प्रशिक्षण देना है।

वैष्णो कालेज में कार्यशाला प्रशिक्षण शिविर लगाया



पालमपुर, 24 जून (सप्रवाल): वैष्णो कालेज ऑफ इंजीनियरिंग

अध्यपक भी भाग ले रहे हैं। इस कार्यक्रम में विद्यार्थियों को कोर्स संबंधित कैचिंग, कारखानों और कार्यक्रमों पर भी भेजा जा रहा है। इस दौरान स्थित इंजीनियरिंग के विद्यार्थियों ने आयोजनों के साथ आई.टी.डी., सीटेशन का प्रयोग का दीया दिया।

मैकेनिकल के विद्यार्थी इस दौरान कूलर, गेट और रेफ्रिजरेटर बनाने के लिए प्रशिक्षण ले रहे हैं।

इमराल — वैष्णो कालेज ऑफ इंजीनियरिंग, थपकोर, नूरपुर में बी.टेक. के छात्रों के लिए 14 दिवसीय कार्यशाला प्रशिक्षण शिविर का आयोजन किया जा रहा है। इस प्रशिक्षण में छात्रों को अपने कोर्स से संबंधित सिद्धांतों को कार्यशालाओं में प्रयोग करके देखने तथा प्रोजेक्ट बनाने का प्रशिक्षण दिया जा रहा है। छात्रों को अधिक जानकारी के लिए संबंधित फैक्टरियों, कारखानों तथा कार्यस्थलों पर भी भेजा जा रहा है। सिविल इंजीनियरिंग के छात्रों ने अपने अध्यापकों के साथ आई.टी.डी., कामेंटेशन कोर्पोरेशन जोकि जम्मू-जालंधर 4 लेन हाईवे बना रही है का भ्रमण कर इंजीनियरिंग को व्यवहारिक बारीकियों का अध्ययन किया। मैकेनिकल विंग के छात्रों ने कूलर व रेफ्रिजरेटर आदि बनाकर अपने कोशल का प्रदर्शन किया। इलेक्ट्रॉनिक्स एंड कम्युनिकेशन के छात्रों ने एमप्लीफायर, सिग्नोरिटी अलार्म व फायर अलार्म आदि बनाए, वहीं कम्प्यूटर साइंस के छात्र कम्प्यूटर से संबंधित बारीकियों को सीखा तथा प्रोग्राम आदि बना रहे हैं। कालेज प्रबंधक रणजीत सिंह पटानिया ने बताया कि कालेज में छात्रों के कोशल विकास के लिए इस तरह के कार्यक्रम निकट भविष्य में भी आयोजित किए जाते रहेंगे।



पूर: वैष्णो कालेज ऑफ इंजीनियरिंग, थपकोर में समारोह के दौरान प्रशिक्षण ले रहे छात्र-छात्रा।

वैष्णो कालेज थपकोर में खूब थिरके छात्र
नूरपुर — वैष्णो कालेज ऑफ इंजीनियरिंग थपकोर में सांस्कृतिक प्रतियोगिता का आयोजन किया गया। कार्यक्रम में अलग वर्गों के छात्रों ने प्रतियोगिता में भाग लिया। कार्यक्रम में अलग वर्गों के छात्रों ने प्रतियोगिता में भाग लिया। कार्यक्रम में अलग वर्गों के छात्रों ने प्रतियोगिता में भाग लिया।

वैष्णो कालेज ऑफ इंजीनियरिंग ने बनाया स्थान

पालमपुर, 3 अप्रैल (स.ह.): वैष्णो कालेज ऑफ इंजीनियरिंग ग्राम थपकोर में पटानिया ने अपने उद्देश्य और दूर दृष्टि को महत्ता प्रदान करते हुए अन्य समय में शिक्षा के क्षेत्र में एक स्थायी स्थान प्राप्त किया है। महाविद्यालय की छवि व उसके योगदान को देखते हुए ऑल इंडिया नोर्सिस्टल फॉर टेक्निकल एजुकेशन ने इस विद्यालय को बी.टेक की सीट बढ़ाने तथा एम.टेक और डिप्लोमा पाठ्यक्रम की अनुमति प्रदान कर गौरव प्रदान किया है। पटानिया ने कहा कि इस महाविद्यालय ने वर्ष 2010

ट्रेफिक नियमों के प्रति किया जागरूक

पटानकोट, 3 मई (आदित्य): पटानकोट वैष्णो कालेज ऑफ इंजीनियरिंग में ट्रेफिक जागरूकता अभियान का आयोजन किया गया जिसके तहत कालेज परिसर में ट्रेफिक समीनार का आयोजन किया गया जिसमें ट्रेफिक मार्शल निजय पोसी को और से विद्यार्थियों को ट्रेफिक नियमों व चिन्हों संबंधी विस्तारपूर्वक अवगत करवाया गया।

इस अवसर पर कालेज के विद्यार्थियों की ओर से ट्रेफिक पुलिस के सहयोग से पटानकोट शहर के विभिन्न चौकों व सड़कों पर वाहन चालकों को ट्रेफिक नियमों के प्रति जागरूक किया गया तथा उन्हें ट्रेफिक चिन्हों के प्रति अवगत करवाने हेतु इशतहार वितरित किए गए। इस अवसर पर डी.एस.पी. ट्रेफिक रणजीत सिंह ने कालेज के विद्यार्थियों की बखबी सगहना की।



वैष्णो कालेज में इंजीनियरिंग की पढ़ाई

वैष्णो कालेज में सांस्कृतिक कार्यक्रम का धूम

पालमपुर, 23 मई (सप्रवाल): वैष्णो कालेज ऑफ इंजीनियरिंग थपकोर में सांस्कृतिक कार्यक्रम का आयोजन किया गया। कार्यक्रम में अलग वर्गों के छात्रों ने प्रतियोगिता में भाग लिया। कार्यक्रम में अलग वर्गों के छात्रों ने प्रतियोगिता में भाग लिया। कार्यक्रम में अलग वर्गों के छात्रों ने प्रतियोगिता में भाग लिया।

वैष्णो कालेज ऑफ इंजीनियरिंग में विद्यार्थियों का भारी रश

पालमपुर, 23 जुलाई (सप्रवाल): वैष्णो कालेज ऑफ इंजीनियरिंग थपकोर तहसील नूरपुर में बी.टेक. की कक्षाओं में प्रवेश पाने के लिए भारी रश है। शीक सत्र 2011-12 में बी.टेक. में प्रवेश पाने के लिए मापदंडों में कुछ बदलाव किया गया है और



ह बदलाव ए.आई.सी.टी.ई. वाइड नेटिफिकेशन न. 1 म.एस.ए.आई.सी.टी.ई. 2011 तिथि जुलाई, 2011 के अंतर्गत किया गया जिसके अंतर्गत सामान्य वर्ग ने

वहीं वैष्णो ग्रुप ऑफ कालेज थपकोर में दिवस अध्यापक दिवस के उपलक्ष्य पर कार्यक्रम का आयोजन किया गया। इस कार्यक्रम में राहुल पटानिया व वरुण गुप्ता निदेशक वैष्णो ग्रुप ऑफ कालेज ने, बतौर मुख्यातिथि शिरकत की। मुख्यातिथि ने डा. राधा कृष्णन जी के चित्र को माल्यार्पण किया। इस समारोह का समापन बनाने के लिए चार्ट मेकिंग प्रतियोगिता का आयोजन किया गया।

वैष्णो कालेज ऑफ इंजीनियरिंग ने बनाया स्थान

पालमपुर, 3 अप्रैल (स.ह.): वैष्णो कालेज ऑफ इंजीनियरिंग ग्राम थपकोर में पटानिया ने अपने उद्देश्य और दूर दृष्टि को महत्ता प्रदान करते हुए अन्य समय में शिक्षा के क्षेत्र में एक स्थायी स्थान प्राप्त किया है। महाविद्यालय की छवि व उसके योगदान को देखते हुए ऑल इंडिया नोर्सिस्टल फॉर टेक्निकल एजुकेशन ने इस विद्यालय को बी.टेक की सीट बढ़ाने तथा एम.टेक और डिप्लोमा पाठ्यक्रम की अनुमति प्रदान कर गौरव प्रदान किया है। पटानिया ने कहा कि इस महाविद्यालय ने वर्ष 2010

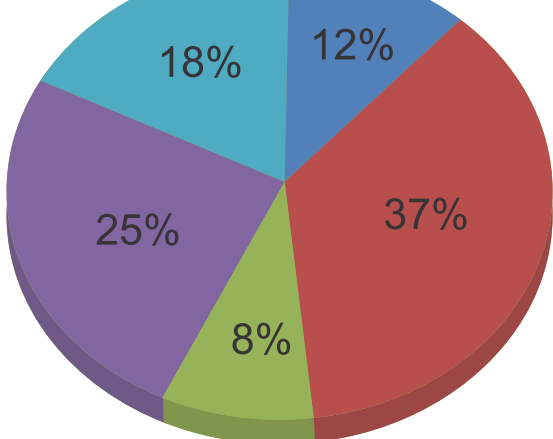
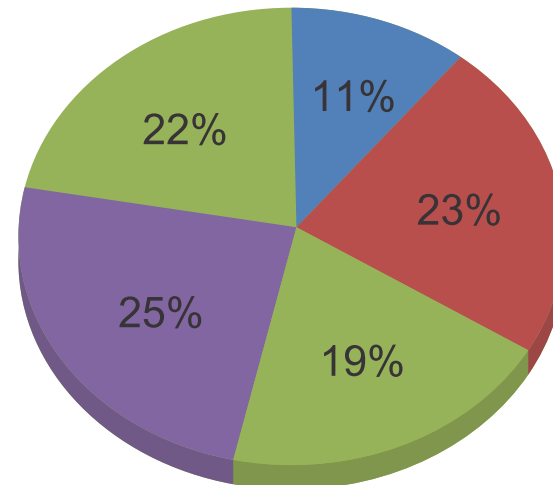


में प्रथम छात्रों का बैच प्रारम्भ किया और अगले सत्र से उक्त पाठ्यक्रम चलाने की अनुमति प्रदान हुई है जबकि किसी अन्य महाविद्यालय को यह मान्यता प्राप्त नहीं हुई है। अगले सत्र से इस महाविद्यालय में एम.टेक के सिविल विभाग में 24 तथा मैकेनिकल विभाग में 24 विद्यार्थियों को प्रवेश की पात्रता रहेगी। इसके साथ-साथ ऑल इंडिया नोर्सिस्टल फॉर टेक्निकल एजुकेशन द्वारा डिप्लोमा कोर्स के सिविल विभाग में 60 तथा मैकेनिकल विभाग में 60 विद्यार्थी अध्ययन के लिए प्रवेश पा सकेंगे।

STUDENT DEMOGRAPHICS

Batch 2010 Graduating in 2014

CSE	CIVIL	EE	MECH.	ECE
28	62	49	65	58

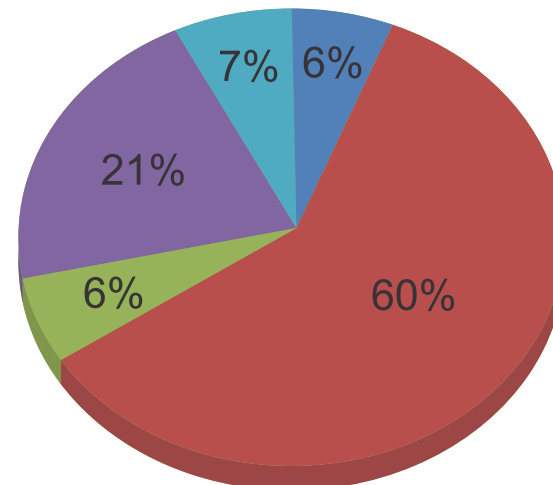


Batch 2011 Graduating in 2015

CSE	CIVIL	EE	MECH.	ECE
39	124	28	85	60

Batch 2012 Graduating in 2016

CSE	CIVIL	EE	MECH.	ECE
18	174	17	62	21



Departments

Department of Computer Science



The Objective of the department of Computer Sciences is to impart quality education and state of art training to the students, exposing them to the current and developing areas of computer sciences and Engineering. The department has state of art facilities and a highly dedicated, multi disciplinary and committed faculty.

SYLLABUS (Branch CSE)

Semester 1
Subject
Engineering Mathematics – I Engineering Physics-I Engineering Chemistry Communication and Professional Skills in English Basic Mechanical Engineering Principles of Computer Programming & C++
Lab Name
Engineering Chemistry Lab Communication & Professional Skill Lab Computer Programming Lab Workshop Practice

Semester 2
Subject
Engineering Mathematics-II Engineering Physics-II Disaster Management and Environmental Science Basic Electrical and Electronics Engineering Engineering Drawing and Graphics Engineering Mechanics
Lab Name
Engineering Physics Lab Basic Electrical Engineering Lab Basic Electronics Lab Workshop Practice - II

Semester 5
Subject
Principals of Management and Critical Thinking Operating System Modeling and Simulation Analysis and Design of Algorithms Computer Networks Microprocessor and Interfacing
Lab Name
Operating System Lab Computer Networks Lab Microprocessor Lab Community Project/Survey Camp

Semester 6
Subject
Open Elective Database Management System Compiler Design Software Engineering Artificial Intelligence Information Storage Management
Lab Name
System and Network Administration Lab DBMS Lab Artificial Intelligence Lab C#/.NET Lab

Lab Facilities

- ICPC Lab
- N.A Lab
- OOP Lab
- Sad Project Lab
- Visual Programming Lab
- RDBMS Lab
- PC Hardware Lab
- Multimedia Lab
- Computer Graphic Lab
- Compiler Design Lab
- Perating System Lab
- Computer Network Lab
- System & Network Administration Lab
- Artificial Intelligence Lab

Faculty of C.S.E

- Mr. Deepak Sharma (M. Tech/Ph.D)
- Mr. Abhilash Sharma (M. Tech/Ph.D)
- Ms.Sukhkirandeep Kaur (M.Tech)
- Mr. Ajay Sharma (M.Tech)
- Mr. Anuj (M.Tech)
- Mr. Jatinder Kumar (M.Tech)
- Ms. Simmi Dogra (B.Tech/MCA)
- Mr. Malkeet Singh (B.Tech)
- Mr. Bhuvnesh Pathania (MCA)
- Mr. Rajeshwar Saini (MCA)

Management

- Ms. Priyanka Sharma MBA
- Ms. Ritika Sharma MBA
- Ms. Neha Pathania MBA
- Mr. Randeep Singh MBA

Semester 3
Subject
Engineering Economics Data Structures and Algorithms Computer Organization & Computer Architecture Internet Fundamentals Digital Electronics Discrete Mathematics & Logic Design
Lab Name
Data Structures Lab Hardware/PC Lab Digital electronics Lab Communication Skill Lab II Vocational Project Training

Semester 4
Subject
Human Values and Professional E Numerical methods for Engineers System Software Theory of Computation Internet Technology (JAVA) Computer Graphics
Lab Name
Numerical Method Lab Internet Technology Lab Computer Graphics Lab Extra Curricular Activity

Semester 7
Subject
Elective -I Advanced Computer Architecture Data Mining and Data Ware Housing Wireless Communication and Mobile Computing Soft Computing
Lab Name
Data Mining Lab Multimedia Application Lab Industrial Training Viva Seminar Project-I

Semester 8
Subject
Elective-II Information System Security Web Technology Fundamentals of Cloud Computing
Lab Name
Web Technology Lab Project -II General Proficiency

Department of Electronics and Comm. Engg.



The ECE curriculum provides a wide perspective in the field of Electronics and Communication and allows the students to decide their future directions from the very beginning. We have taken the lead in establishing well equipped and modern Labs for the students.

SYLLABUS (Branch ECE)

Semester 1
Subject
Engineering Mathematics – I Engineering Physics-I Engineering Chemistry Communication and Professional Skills in English Basic Mechanical Engineering Principles of Computer Programming & C++
Lab Name
Engineering Chemistry Lab Communication & Professional Skill Lab Computer Programming Lab Workshop Practice

Semester 5
Subject
Open Elective Microprocessor Theory and Application Communication System-II Power Electronics & its Application Electromagnetic Field Theory Linear Integrated Circuit and Design
Lab Name
Microprocessor Lab Communication System Lab-II Power Electronics Lab Community Project/ Survey Camp Control Systems

Semester 2
Subject
Engineering Mathematics-II Engineering Physics-II Disaster Management and Environmental Science Basic Electrical and Electronics Engineering Engineering Drawing and Graphics Engineering Mechanics
Lab Name
Engineering Physics Lab Basic Electrical Engineering Lab Basic Electronics Lab Workshop Practice - II

Semester 6
Subject
Principles of Management and Critical Thinking Microcontroller and Embedded Systems Control Systems Antenna and Wave Propagation Optical Communication Microwave and Radar Engineering
Lab Name
Microcontroller Lab Control Engineering Lab Microwave and Optical Communication Lab

Lab Facilities

- Basic Electronic Lab
- Digital Electronic Lab
- Analog Lab
- Communication System Lab
- EMMI Lab
- MAT Lab
- ECS Lab
- Microprocessor Lab
- Industrial Electronic Lab
- Cs Lab
- Electronic Design Lab
- Advance Microprocessor Lab
- Control System Lab
- Micro Controller Lab
- Control Engg. Lab
- Microwave & Optical Communication Lab

Faculty of E.C.E.

- | | |
|--------------------------|----------|
| - Mrs. Vandana Mahajan | (M.tech) |
| - Ms. Amanpreet Kaur | (M.tech) |
| - Mr. Amit | (M.tech) |
| - Mr. Charanjit Singh | (M.tech) |
| - Ms. Neha Mahajan | (M.tech) |
| - Mr. Sanjeev Sharma | (M.tech) |
| - Mr. Parveen Kumar | (M.tech) |
| - Mr. Karan Mehtab Singh | (B.tech) |
| - Mr. Vinod Raina | (B.tech) |
| - Ms. Inderpreet | (B.tech) |

Dept. of Applied Physics

- | | |
|-------------------|--------------|
| Mr. Ashok Garg | M.Sc, M.Phil |
| Mr. Akhil Mahajan | M.Sc |
| Mr. Bikram Singh | M.Sc |

Semester 3
Subject
Human Values and Professional Ethics Engineering Mathematics-III Digital Electronics Engineering Analog Electronics Engineering Circuit Theory & Network Analysis & synthesis Communication Theory
Lab Name
Digital Electronics Lab Analog Electronics Lab Electronics Simulation Lab Communication Skills Lab-II Vocational Project / Training

Semester 7
Subject
Elective-I Digital System Design using HDL Digital Signal Processing Wireless & Mobile Communication CMOS & VLSI Design
Lab Name
VLSI & HDL Lab DSP Lab Wireless Communication Lab Industrial Training Viva \$\$ Seminar / Project-I

Semester 4
Subject
Indian Economic Development Numerical Methods for Engineers Communication System-I Electronic Measurement & Measuring Instruments Electronic Device Modelling Pulse Shaping and Wave Generation
Lab Name
Communication system Lab -I Electronic Measurement & Measuring Instrument Lab PCB and Electronic Workshop MATLAB Extra Curricular Activity

Semester 8
Subject
Elective-II Information Theory and Coding Principle of Soft Computing Computer Networks & Data communication
Lab Name
Soft computing Lab Data Communication Lab Project-II General Proficiency

Department of Electrical Engg.



Electrical Engineering has a great influence in almost all spheres of our life therefore Electrical Engineers by virtue of their profession are involved in all areas of our modern society. They design, develop, test and manufacture the electrical equipment. The range of such equipment varies from power generators, transmission devices to home appliances.

SYLLABUS (Branch EE)

Semester 1
Subject
Engineering Mathematics – I Engineering Physics-I Disaster Management and Environmental Science Basic Electrical and Electronics Engineering Engineering Drawing and Graphics Engineering Mechanics
Lab Name
Engineering Physics Lab Basic Electrical Engineering Lab Basic Electronics Engineering Lab Workshop Practice-I

Semester 5
Subject
Open Elective Electrical Machine-II Transducers & Signal Conditioning High Voltage Techniques & HVDC Electromagnetic Field Theory Microprocessor Theory and Applications
Lab Name
Electrical Machine-II Lab Transducers & Signal Conditioning Lab Microprocessor Theory and Applications Lab Community Project/ Survey Camp

Semester 2
Subject
Engineering Mathematics-II Engineering Physics-II Engineering Physics-II Communication & Professional Skills in English Basic Mechanical Engineering Principles of Computer Programming & C++
Lab Name
Engineering Chemistry Laboratory Communication & Professional Skills Lab-I Computer Programming Laboratory Workshop Practice-II

Semester 6
Subject
Principles of Management and Critical Thinking Switchgear & Protection Control Engineering-I Electrical Power Generation Electrical Drives and Facts Microcontrollers & Embedded Systems
Lab Name
Switchgear & Protection Lab Control Engineering Lab Microcontrollers & Embedded Systems Lab

Lab Facilities

- Basic Electrical & Electronics-Engg. Lab
- Electrical Machine Lab-1
- Electrical Machine Lab-2
- Power Electronic Lab
- Control Engg. Lab
- Switch Gear & Protection Lab
- Micro Controller Imbedded-System Lab
- Transducers and signal-conditioning Lab
- Transmission & Distribution-of Electrical Power Lab
- EMMI Lab

Faculty of Electrical Engg.

- Mr. Rajesh Kumar Bhatti (M.Tech)
- Ms. Abhishek Bagwan (M.Tech)
- Mr. Ankush Gupta (M.Tech)
- Ms. Avneet Kaur (M.Tech)
- Mr. Sunil Kumar (M.Tech)
- Mr. Vijayant Sharma (M.Tech)
- Mr. Sushil Gaind (M.Tech)
- Ms. Anuradha Khajuria (B.Tech)

Dept. of Applied Chemistry

- Ms. Swati M.Sc
- Ms. Supriya M.Sc

Semester 3
Subject
Human Values and Professional Ethics Engineering Mathematics-III Transmission & Distribution of Electrical Power Circuit Theory Electrical Engineering Materials and Applications Digital Electronics
Lab Name
Transmission & Distribution of Electrical Power Lab Circuit Theory Lab Digital Electronics Lab Communication Skills Lab-II Vocational Project / Training

Semester 7
Subject
Elective-IElectrical Machine Design Biomedical Engineering Power System Operation & Control Communication Engineering
Lab Name
Electrical Machine Design Lab Biomedical Engineering Lab Industrial Training Viva Seminar Project-I

Semester 4
Subject
Engineering Economics Numerical Methods for Engineers Electrical Machines-I Power Electronics Signals & Systems Electrical Measurement & Measuring Instruments
Lab Name
Electrical Machines-I Lab Power Electronics Lab Electrical Measurement & Measuring Instruments Lab Extra Curricular Activity

Semester 8
Subject
Elective-II Computer Applications To Power System Analysis Control Engineering-II Digital Signal Processing
Lab Name
Computer Applications To Power System Analysis Lab Digital Signal Processing Lab Project-II General Proficiency

Department of Civil Engg.



Civil Engineering involves planning, designing & execution of infrastructure activities, viz buildings, roads, kingdoms etc and offers a multitude of Career opportunity. A Civil Engineer requires not only a high standard of engineering knowledge but also supervisory & administrations skills.

SYLLABUS (Branch CE)

Semester 1
Subject
Engineering Mathematics – I Engineering Physics-I Engineering Chemistry Communication and Professional Skills in English Basic Mechanical Engineering Principles of Computer Programming & C++
Lab Name
Engineering Chemistry Lab Communication & Professional Skill Lab Computer Programming Lab Workshop Practice

Semester 5
Subject
Principles of Management and Critical Thinking Structural Analysis-II Design of Concrete Structures Geotechnical Engineering-II Hydrology and Groundwater Transportation Engineering-I
Lab Name
Structural Analysis Laboratory Concrete Laboratory Community Project/ Survey Camp

Semester 2
Subject
Engineering Mathematics-II Engineering Physics-II Disaster Management and Environmental Science Basic Electrical and Electronics Engineering Engineering Drawing and Graphics Engineering Mechanics
Lab Name
Engineering Physics Lab Basic Electrical Engineering Lab Basic Electronics Lab Workshop Practice - II

Semester 6
Subject
Open Elective Bridge Engineering Irrigation Engineering Transportation Engineering-II Water Supply and System Engineering Estimation and Costing
Lab Name
Civil Engineering Software Laboratory -I Transportation Engineering Laboratory Environmental Engineering Laboratory

Lab Facilities

- Geotechnical Engg. Lab
- Concrete Structure Lab
- Structural Analysis Lab
- Material Testing Lab
- Survey Lab
- Transportation Lab
- Environmental Engg. Lab
- Civil Engg. Software Lab
- Concrete Lab
- Hydro Power & FM Lab
- Building Material Lab

Faculty of Civil Engg.

- | | |
|------------------------|----------|
| - Mr. K.L. Mehta | (M.Tech) |
| - Mr. Harvinder Singh | (M.Tech) |
| - Mr. Navdeep Singh | (M.Tech) |
| - Mr. Mohit Vaid | (M.Tech) |
| - Mr. Bikash Sharma | (B.Tech) |
| - Mr. Dheeraj | (B.Tech) |
| - Mr. Satpal | (B.Tech) |
| - Mr. Sukhwinder Singh | (B.Tech) |

Applied Maths Qualification

- | | |
|--------------------|----------------------|
| Dr. Vishwkarma | PhD |
| Ms. Alka Mahajan | M.Sc, M.Phil |
| Mr. Narinder Kumar | M.Sc, M.Phil |
| Mr. Avikar Sharma | M.Phil/ Pursuing PhD |
| Ms. Arti Mahajan | M.Sc, M.Phil |

Semester 3
Subject
Engineering Economics Strength of Materials Building Construction and Materials Fluid Mechanics Surveying-I Engineering Mathematics-III
Lab Name
Building Material Laboratory Fluid Mechanics Laboratory Surveying-I Laboratory Building Drawing Oral and Written Communication Skills Lab-II

Semester 7
Subject
Elective-IDesign of Steel Structures Design of Hydraulic Structures Waste and Sewage Treatment Project Planning and Construction Equipments
Lab Name
Structural Drawing Waste and Sewage Treatment Laboratory Industrial Training Viva \$\$ Seminar Project-I

Semester 4
Subject
Human Values and Professional Ethics Numerical Methods for Engineers Structural Analysis-I Geotechnical Engineering-I Hydropower and Fluid Machines Surveying-II
Lab Name
Soil Mechanics Laboratory Hydropower and Fluid Machines Laboratory Surveying-II Laboratory Extra Curricular Activity

Semester 8
Subject
Elective-II Advanced Structural Design Water Resources and System Engineering Earthquake Resistant Design
Lab Name
Civil Engineering Software Laboratory -II Project-II General Proficiency

Department of Mechanical Engg.



Mechanical Engineering is a core engineering discipline and one of the oldest discipline in the field of engineering. It requires a solid understanding of core concepts including mechanics Kinematics, Thermodynamics, Fluid Mechanics and energy. Mechanical engineers use the installation, operation and maintenance of machinery and production process. The curriculum at VCOE aims at developing both practical and theoretical knowledge in different discipline of Mechanical Engineering offered by the department.

SYLLABUS (Branch ME)

Semester 1
Subject
Engineering Mathematics – I Engineering Physics-I Disaster Management and Environmental Science Basic Electrical and Electronics Engineering Engineering Drawing and Graphics Engineering Mechanics
Lab Name
Engineering Physics Lab Basic Electrical Engineering Lab Basic Electronics Engineering Lab Workshop Practice-I

Semester 5
Subject
Principles of Management and Critical Thinking Fluid Machines Manufacturing Technology-II Heat Transfer Machine Design-I Dynamics of Machines
Lab Name
Fluid Machines Lab Manufacturing Practice lab Heat Transfer lab Dynamics of Machines lab Community Project

Semester 2
Subject
Engineering Mathematics-II Engineering Physics-II Engineering Physics-II Communication & Professional Skills in English Basic Mechanical Engineering Principles of Computer Programming & C++
Lab Name
Engineering Chemistry Laboratory Communication & Professional Skills Lab-I Computer Programming Laboratory Workshop Practice-II

Semester 6
Subject
Open Elective Measurement and Control Industrial Engg. & Production Management Machine Design-II I.C. Engines Materials Technology
Lab Name
Measurement and Control Lab I.C. Engines Lab Materials Technology Lab Seminar and Group Discussion

Lab Facilities

- Applied Thermodynamics Lab
- Strength of Materials Lab
- Fluid Machinery Lab
- Heat Transfer Lab
- Engineering Materials and Metallurgy Lab
- AutoCAD Lab
- Kinematics Machines Lab
- I.C. Engines Lab
- Manufacturing Practice Lab
- Dynamic of Machine Lab
- Measurement & Control Lab
- Mertology and interchangeability Lab

Faculty of Mech. Engg.

- | | |
|-----------------------|----------|
| - Mr. Rohit Uppal | (M.Tech) |
| - Mr. Vinal Sharma | (M.Tech) |
| - Mr. Johny Khajuria | (M.Tech) |
| - Mr. Sanjeev Punia | (M.Tech) |
| - Mr. Ankush Sharma | (M.Tech) |
| - Mr. Harsimran Singh | (B.Tech) |
| - Mr. Prince Rana | (B.Tech) |
| - Mr. Tejbinder Singh | (B.Tech) |
| - Mr. Vikas Khajuria | (B.Tech) |
| - Mr. Rewat Mahajan | (B.Tech) |
| - Mr. Surjeet Singh | (B.Tech) |
| - Mr. Sourab Sharma | (B.Tech) |

Workshop

- Mr. Bachan Lal
Mr. Amarjeet Singh
Mr. Avtar Singh
Mr. Neeraj Kumar
Mr. Ashwani Kumar

Semester 3
Subject
Engineering Economics Engg. Mathematics-III Strength of Materials -I Applied Thermodynamics Machine Drawing Fluid Mechanics
Lab Name
Strength of Materials Laboratory Fluid Mechanics Laboratory AutoCAD Lab

Semester 7
Subject
Departmental Elective-I Mechanical Vibrations Automobile Engineering Refrigeration and Air Conditioning Operations Research
Lab Name
Automobile Engineering lab Refrigeration and Air Cond. lab Project-I Industrial Training Viva

Semester 4
Subject
Human Values and Professional Ethics Numerical Methods for Engineers Metrology and Interchangeability Manufacturing Technology-I Strength of Materials -II Kinematics of Machines
Lab Name
Oral and Written Communication Skills Lab-II Metrology and Interchangeability lab Kinematics of Machines Laboratory Extra Curricular Activity

Semester 8
Subject
Departmental Elective-II EnComputer Aided Design and Manufacturing (CAD/CAM) Power Plant Engg. Mechatronics
Lab Name
Computer Aided Design (CAD) lab Project-II General Proficiency

Faculty Profile

The teaching faculty at VCOE is a set of highly qualified and dedicated team of teachers having specializations in several disciplines. The competence and expertise of the faculty are constantly upgraded in phased manner under faculty development program. Majority of the faculty members are post graduate and PhD's. Research papers of many faculty members have been published in both international and national journals. Some of them have also presented papers in seminars at various levels.

Milestones achieved by Faculty Members

1. Book Authored By

- Mr. Jatinder Kumar
- Mr. Anuj Sharma
- Mr. Ashok Garg
- Ms. Sukhkirandeep Kaur

2. Paper Published By

- Dr. Vishwkarma
- Ms. Amanpreet Kaur
- Ms. Sukhkirandeep Kaur
- Mr. Vijayant Sharma
- Mr. Deepak Sharma
- Mr. Abhilash Sharma
- Mr. Rohit Uppal
- Mr. Avikar Sharma
- Mr. Ankush Gupta
- Mr. Sanjeev Sharma
- Mr. Sanjeev Singh Punia
- Mr. Vinal Sharma
- Mr. Ankush Sharma

