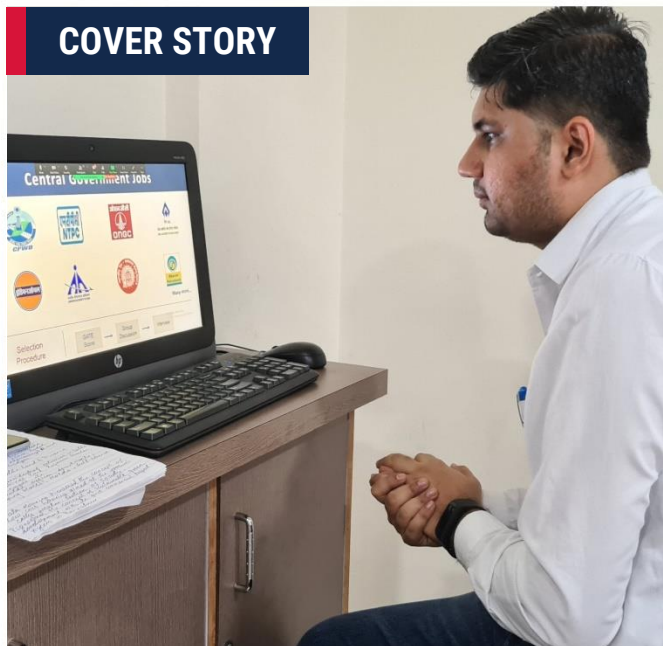


NEWSLETTER

COVER STORY



CONTENTS

WEB CARNIVAL - 2021

Dt. 08-06-2021 to 12-06-2021

Department of Civil Engineering organized Civil Engineering Web Carnival - 2021 for the students of their Department at the Institute. The event was consisted of various webinars on Masonry Practices, Supervision Practices, Safety Practices, Drawing Study and Workshop on Autodesk Civil 3D software. Some of the invited experts of these sessions include Prof. Lalkishan Padia, Lecturer, Government Polytechnic, Rajkot and Mr. Manoj Trivedi, Khodiyar CAD Centre. Many of the webinars were also conducted by the faculties of the department. 60+ students participated in this event with great enthusiasm and had great learning experience.

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“ As you know more
you grow more.

EDUCATIONAL EVENTS

Webinar on Strategy & Planning to Crack GATE & ESE Examination

Dt. 27-06-2021

Department of Civil Engineering in association with MADE EASY organized a webinar on Strategy & Planning to Crack GATE & ESE Examination. Invited expert was renowned speaker Mr. Jitendra Tiwari, Educationalist, Made Easy. The students received knowledge about various opportunities available for Civil Engineers in different departments of central government and learned the techniques for the preparation of exam.



Workshop on JavaScript and Angular

Dt. 10-06-2021 to 22-06-2021

Department of Computer Engineering organized online workshop on JavaScript and Angular for the students of BE Sem. 5 at the Department. The workshop covered topics like what is JavaScript?, use of JavaScript in website designing and development, angular project setup and first app, angular project structure, import components in routing module, basic routing, data binding, property and event binding, two-way data binding, interpolation, pipes, etc. Workshop also included case studies and practical work.



EDUCATIONAL EVENTS

Skill Development Program on AutoCAD 2D Essential

Dt. 21-06-2021 to 29-06-2021

Department of Mechanical Engineering organized the free training program in collaboration with CADD Center, Rajkot for the students of B.E. Sem.5. In the program, students got training in AutoCAD basic commands like draw, modify, dimension and annotation, etc., and also received the knowledge of recent trends and technologies which are used in industries under the constant guidance and instructions of Mr. Ronak Dhangadharia, Center Head, CADD Center, Rajkot.



Material Testing for Jetty Construction at OOT Vadinar

Dt. 20-05-2021 to 27-05-2021

Darshan Consultancy Cell (DCC) is NABL Approved Laboratory managed by Department of Civil Engineering at the institute. It provides various services to the clients in the field of Civil engineering such as Airport Authority of India, RMC, RUDA, L&T, UltraTech Cements and GIDC, etc.

DCC was assigned a work of soil investigation for construction of Jetty at Offshore Oil Terminal, Vadinar which is a part of Kandla Port Trust and the consultant Ocean Engineering Department, IIT Madras who chose DCC for various soil investigation work such as its Geological Specification of Rock Samples, Mineral Composition, Soundness Tests on rock, Rock Impact Test and various other tests which were performed in the presence of client and consultant representatives for seven days.



EDUCATIONAL EVENTS

Expert Talk on Design and Development of Electrical Vehicle using Ansys



Dt. 04-05-2021

The Department of Mechanical Engineering organized a one-day online expert talk on Design and Development of Electrical Vehicle using Ansys as a part of recent technological development in the field of engineering in association with Khodiyar CAD center for the students of BE Sem. 4, 6 and 8. Invited expert was Mr. Kartikesh Kumar Jha, Application Engineer, ARK Infosolutions Pvt. Ltd., Mumbai. The expert discussed about electrical vehicle technology, components of electrical vehicle, different simulation packages available in ansys for electrical vehicle and skill development activities which were provided by ARK infosolution Pvt. Ltd. to enable students for industrial work.

Expert Talk on Leadership and Power

Dt. 01-05-2021

The Department of Mechanical Engineering organized a one day online expert talk on Leadership and Power as a part of the subject organizational behavior for the students of BE Sem. 4. Invited expert was Dr. Kedar Bhatt from Shri Chimanbhai Patel Institute of Management and Research, Ahmedabad. He discussed about the role of Leader, the difference between leader and manager, the concept of power and politics and the different leadership theories.

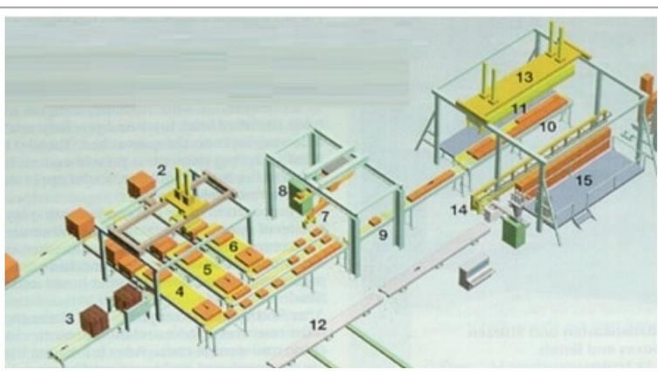


EDUCATIONAL EVENTS

Webinar on Automation in Construction Planning

Dt. 10-04-2021

A webinar was organized on Automation in Construction Planning by Department of Civil Engineering in association with NKM Planning Solutions for the students, faculty members and industry professionals. A webinar was delivered by Mr. Mitesh Bhatt, Founder, NKM Planning Solutions, Pune, Maharashtra. During the talk, he discussed various aspects of planning ranging from required documents for advanced techniques and tools which are currently used in construction.



Expert Talk on Python And Django Framework

Dt. 03-04-2021

Department of Computer Engineering organized an expert lecture on Python And Django Framework for the students of BE Sem. 6 at the Department. Invited expert was Mr. Bhumik Dhrangadhriya who is Alumni of the Department and currently working as a Full Stack Python Developer, TXLabs, Ahmedabad. The expert mainly discussed on the fundamentals of Python and Interpreter, Installation and setup of Python and Text Editor, Operators and Strings. In addition, he also explained about Demo project in python using Django.



EDUCATIONAL EVENTS

Expert Lecture on Django - A Web Development Framework

Dt. 10-04-2021

Department of Computer Engineering organized an expert lecture on Django - A Web Development Framework for the students of BE Sem. 6. Invited expert was Mr. Chintan Joshi, Alumni of the Department and currently working as a Senior Software Engineer, iLearn ME, UAE. The Expert focused on creating awareness about Django Framework as a future career option for the students. During the lecture, he discussed topics like Introduction of Python and Usage of Python and Django. He also discussed Django as an MVC Design Pattern, Django Modules, Django Documentation and Django Administration.



Skill Development Program on CNC Turning Center & Mechanical Measurements

Dt. 12-03-2021

Department of Mechanical Engineering organized a one-day Skill Development Program on CNC Turning Center & Mechanical Measurement. 30 students of final year diploma of Lukhdirji Engineering College, Morbi participated in the training program. The faculties from Department of Mechanical Engineering provided the training to the students. Students were guided about CNC Turning Center, Mechanical Measurements and a Demonstration on Rapid Prototyping i.e. 3D printer and Augmented Reality & Virtual Reality (AR/VR). In addition, students got an opportunity to learn it by doing various practicals.

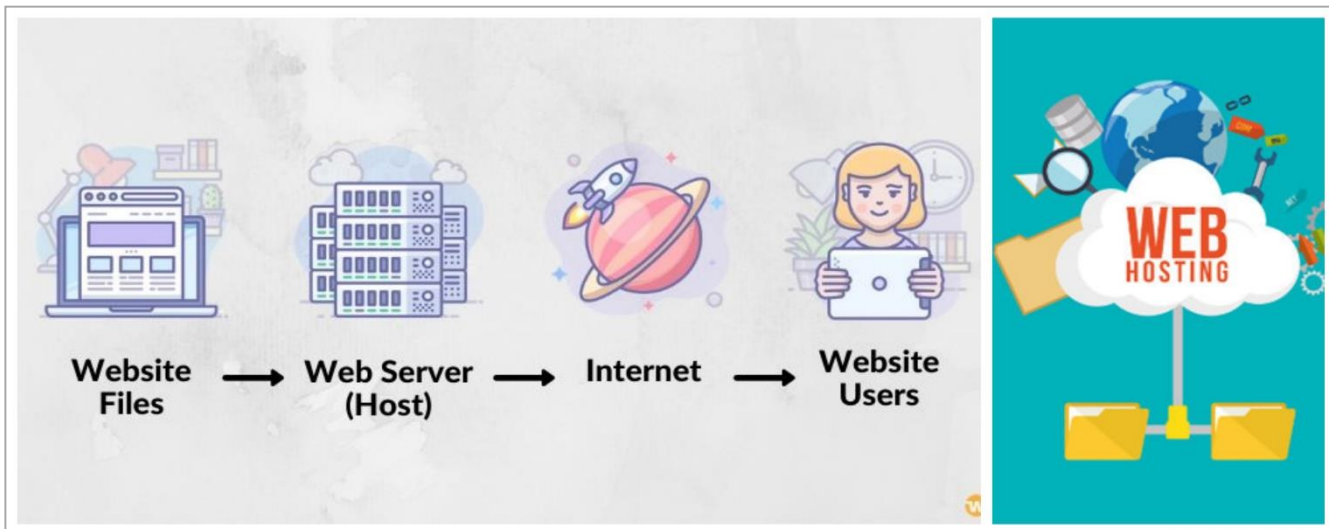


EDUCATIONAL EVENTS

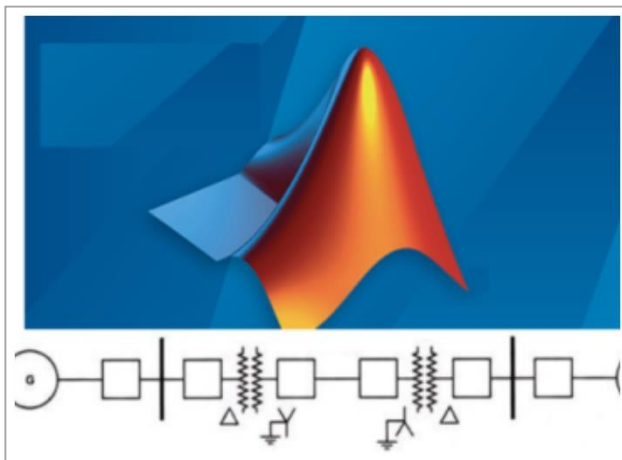
Expert Lecture on How to Host a Website

Dt. 20-03-2021

Department of Computer Engineering organized an online expert lecture on How to Host a Website for the students of BE Sem. 6. The expert started discussion from very base of the domain. He discussed about the procedure to buy and configure web server. He also talked about How to upload content to web server and the required procedure to create a database in it.



A Webinar on Simulation in Electrical Engineering using MATLAB



Dt. 20-03-2021

Department of Electrical Engineering organized a webinar on Simulation in Electrical Engineering using MATLAB for the students of BE Sem. 4 & 6. The expert explained the Need of the Simulation in Electrical field, Importance of Simulation Software and the Broad Aspects of the MATLAB simulation. The students got opportunity to relate the concepts covered in the theory with the virtual environment of the practical facility.

The students could also understand about the steps to be followed to execute the simple programming commands and procedure to be followed to simulate any electrical circuit and network circuits.

EDUCATIONAL EVENTS

Expert Talk on UI Design Tools

Dt. 20-03-2021

Department of Computer Engineering organized an online expert talk on UI Design Tools for the students of BE Sem. 6. The expert discussed UI Design and Importance of User Interface Designing. During the session, an expert covered UI design tools, UI design demo and design hands-off tools.



Skill Development Program on Various Industrial Techniques

Dt. 01-03-2021 to 03-03-2021

Department of Mechanical Engineering of Diploma Institute organized Skill Development Program for the students of DE Sem.6. The faculties from Department of Mechanical Engineering provided the training to the students about Basic Pneumatic Kit & Electro Pneumatic Kit, Air Conditioning System and Performance Analysis of 4-stroke Single Acting Cylinder in Internal Combustion Engine. The students learned about the procedure of testing the actual IC Engine and how the maintenance of refrigeration is done. In addition, they also had hands on experience of Basic Pneumatic System and Electro Pneumatic System etc.



EDUCATIONAL EVENTS

Expert Talk on Project Development Tools

Dt. 13-03-2021

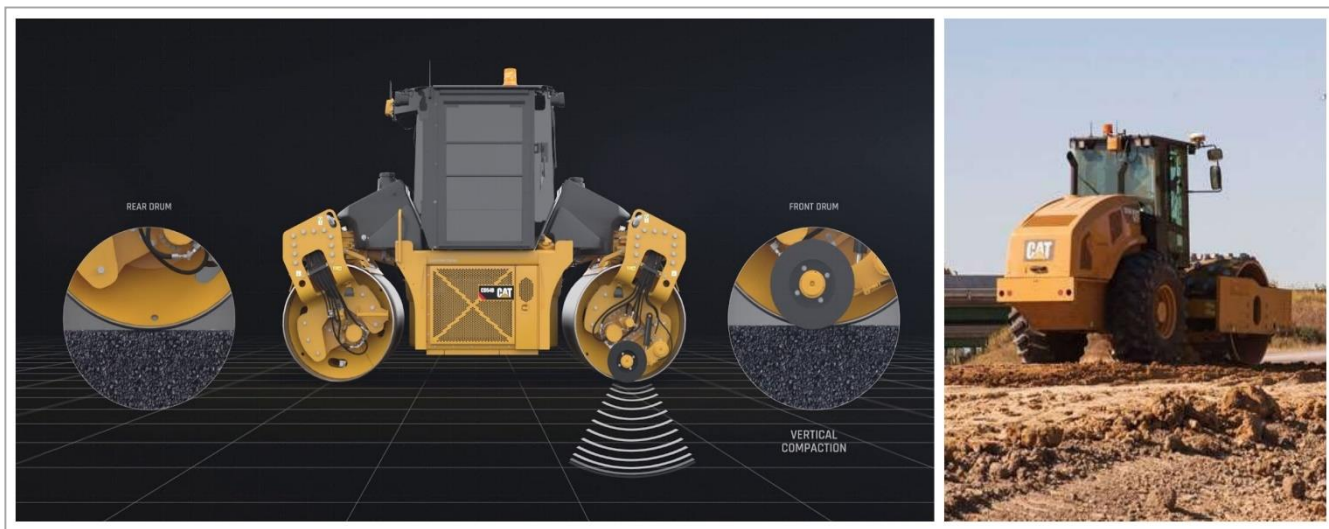
Department of Computer Engineering organized an online expert talk on Project Development Tools for the students of BE Sem. 6. Starting from the very basic concepts of Postman, the expert discussed API testing for live and local server using postman. Postman is a collaboration platform for API development. During the session, an expert covered online Json Viewer for tracing the valid Json response, Git For Version Control, Repository Management and Bugs Management. Git is the most commonly used version control system.



A Webinar on Compaction Technology

Dt. 18-03-2021

A webinar was organized on Compaction Technology by Department of Civil Engineering in association with WIRTGEN India Pvt. Ltd. Invited experts were Mr. Sudhakar Singh and Mr. Pavan Kumar Sharma, Area Product Managers at WIRTGEN India. Participants were from entire India ranging from students to industry professionals and teaching faculties from various institutions.



EDUCATIONAL EVENTS

Expert Talk on Industry 4.0

Dt. 18-02-2021

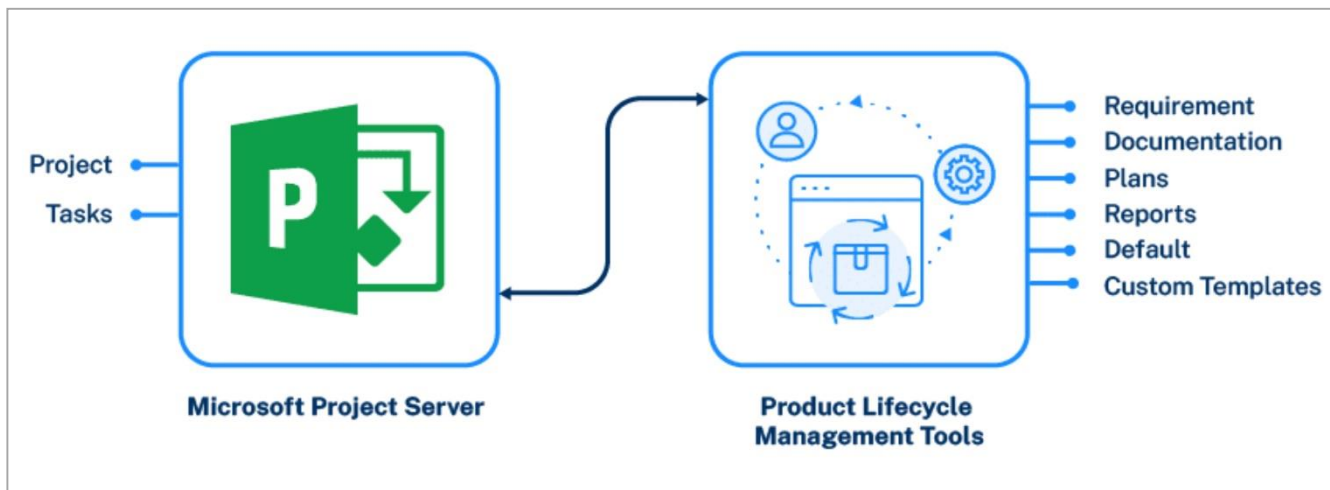
An expert talk on Industry 4.0 was organized by Department of Mechanical Engineering in collaboration with Khodiyar CAD Center (I) Pvt. Ltd. for the students of BE Sem. 6. Invited expert was Dr. G.D. Acharya, Principal, Atmiya Institute. The expert shared knowledge about various applications of Industry 4.0 in Mechanical engineering. The session made students able to appreciate application of various concepts that they study in the subjects.



Software Training on MS Project

Dt. 20-02-2021

Department of Civil Engineering organized a software training on MS Project for the final year students. The objective of the training was to make students aware about the various software available for planning, scheduling of construction projects and applications of MS Project.



EDUCATIONAL EVENTS

Seminar on Induction Motor Testing as per IS 12615 and IS 996

Dt. 25-01-2021

Department of Electrical Engineering of Diploma Institute organized an online seminar on Induction Motor Testing as per IS 12615 and IS 996 for the students of DE Sem. 4 and 6. The aim behind the seminar was to cover basic topics to understand the different types of test performed on induction motor and about the importance of accuracy of testing as per Indian Standard. In addition, Various advanced equipment used for testing of induction motor was also discussed.

Skill Development Program on CNC Turning Center & Measuring Instruments

Dt. 08-02-2021 to 13-02-2021

Department of Mechanical Engineering organized Six Days Skill Development Program on CNC Turning Center & Measuring Instruments. The objective behind the programs was to develop the skills of the students in operation and programming of CNC machine and to learn and calibrate measuring instruments like Vernier Caliper, Micrometer etc. The first phase of program covered topics like operating of CNC machine, the process to do Part Programming, what is Axis Designation of CNC machine and various Tooling of CNC. The students also learned about how to check various GD&T parameters like flatness, ovality, perpendicularity etc.

Department also organized another phase of program on Measuring Instruments. The program aimed to provide hands on practice on different linear and angular measuring instruments like Vernier Calipers, Micrometers, Height Gauges, Bevel Protractor, Sine bar etc. During the program, the students learned about how to operate & use measuring instruments for actual industrial application. The students were also informed about NABL accreditation and Calibration process of linear and angular measuring instruments.

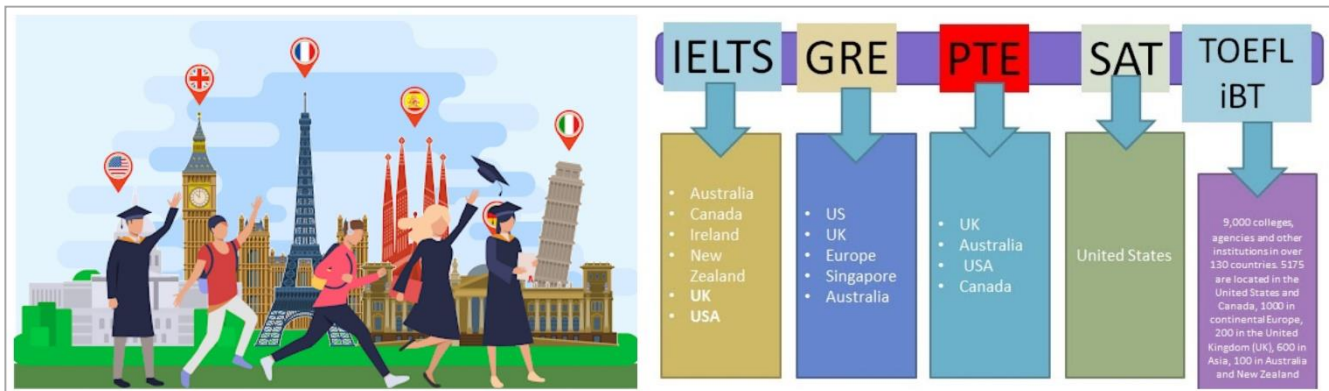


EDUCATIONAL EVENTS

Seminar on Study Abroad

Dt. 23-02-2021

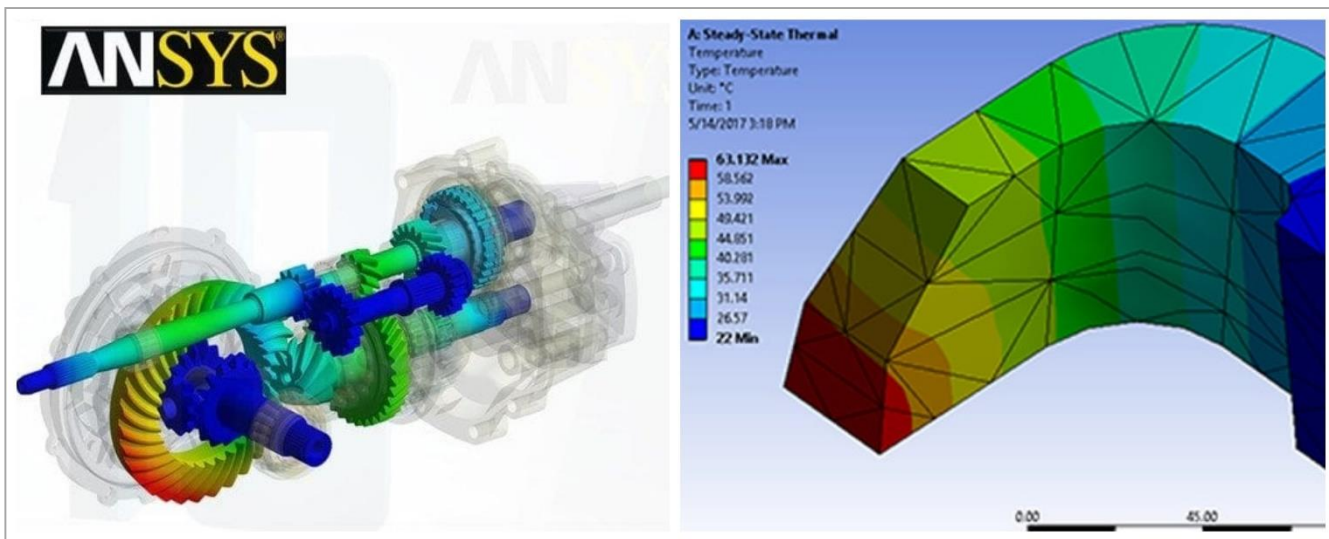
Department of Computer Engineering organized webinar on Study Abroad for the students of BE Sem. 6. The invited expert was Mr. Chandramauli Bhatt, Renaissance, Ahmedabad. He explained about various aspects of studying abroad and opportunities for the students to pursue further studies in foreign universities. He also discussed about the accurate planning for the preparation and requirements.



Expert talk on Introduction to ANSYS

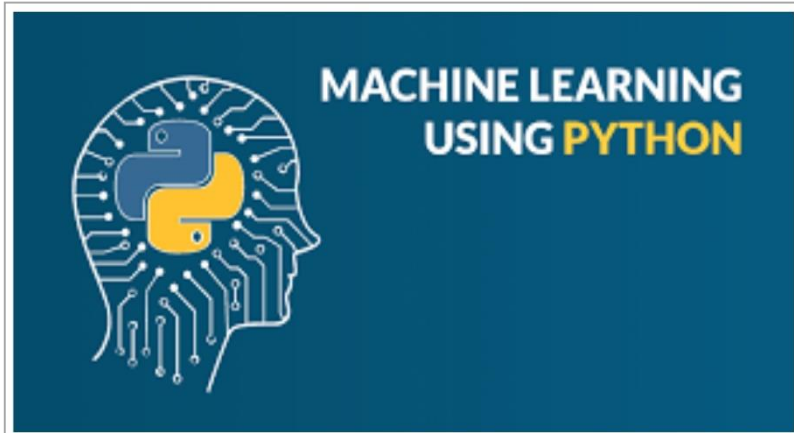
Dt. 02-01-2021

Department of Mechanical Engineering of Diploma Institute organized an online expert lecture on Introduction to ANSYS for the students of DE Sem.6. The objective of lecture was to guide the students about the Advance Analysis, Design & Finite Element and Analysis software ANSYS. During the session, an expert covered the ideas about how this software works, the basic procedure of designing any product and extra advantages of this software.



EDUCATIONAL EVENTS

Expert talk on How & Where to start with Python, AI & ML



Dt. 04-01-2021

An expert talk on How & Where to start with Python, AI & ML was organized by the Department of Computer Engineering for the students of BE Sem. 6 at the Department. The talk was delivered by the student Mr. Satish Kotadiya, BE Sem. 8, Intern at Fero.ai, Ahmedabad.

He explained about the need of Mathematics to work in AI & ML. He discussed the challenges & real-life problems which can be solved with machine learning by using python. He also explained about the use of Artificial Intelligence & Machine Learning with different tools.

Live Project Engagement

Dt. 22-02-2021

Department of Civil Engineering organized a live project engagement session on Material Testing of Manhole Cover used in Underground Earthing Work. The test was accomplished based on the method prescribed in European Standard (IEC 62561-5:2017). The students were involved in the testing work to learn various criteria of testing and its reporting as specified in NABL standards.



EDUCATIONAL EVENTS

Workshop on .NET 3-Tire Architecture

Dt. 04-01-2021 to 07-01-2021

Department of Computer Engineering conducted four days workshop on .NET 3-Tire Architecture for the students of BE Sem. 6. It was aimed to introduce three tier architecture in coding practices, how it differs from single tier, its various benefits to write code in three tier & the reasons of selecting this kind of coding standards by IT industries in web/mobile applications, and various advance topics in .NET like Nested GridView, DataTable and Encrypting & Decrypting Query String with three tier architecture.



Workshop on Responsive Web Designing using Bootstrap

Dt. 01-01-2021

Department of Computer Engineering organized five days workshop on Responsive Web Designing Using Bootstrap for the students of BE Sem. 3. The workshop was arranged on various days like 31 Dec., 1 Jan., 7 Jan., 11 Jan., and 20 Jan., 2021. The aim of workshop was to provide hands on practice to the students on the aspects of development for any Web technology project. The workshop covered various theoretical concepts and practical sessions regarding responsive web designing using Bootstrap. The workshop also included topics like Fundamentals of Responsive Web Design, Bootstrap –Grid System, Bootstrap Components and Classes, Responsive Web design tools and Bootstrap Plugins.



STAFF ACHIEVEMENTS

Completed Online Courses

During January 2021 to June 2021, following faculties of our university joined and successfully completed online courses. Details of these courses are as follows.

Name of Staff	Dept.	Course / Activity Title	Offering Institute
Dr. P U Jadeja	CE	Outcome Based Education and Accreditation	National Board of Accreditation and Education Department, Government of Gujarat
		Criteria 3 - NBA Accreditation	InPods Ed-tech
		NBA Accreditation Issues	National Institute of Technical Teachers' Training & Research, Kolkata
Prof. V M Shekhat	CE	Application of Gnomio Moodle for Outcome Based Education	MBPIT, New Vallabh Vidyanagar
		Applications of Artificial Intelligence and Machine Learning	R K University, Rajkot
Prof. M S Padia	CE	Foundations of User Experience (UX) Design	Coursera
		Start the UX Design Process: Empathise, Define, and Ideate	
		Build Wireframes and Low-Fidelity Prototypes	
		Android Development with Kotlin	Google Developers
Prof. A G Badresiya	CE	Outcome Based Education and Accreditation	National Board of Accreditation and Education Department, Government of Gujarat
		Criteria 3 - NBA Accreditation	InPods Ed-tech

STAFF ACHIEVEMENTS

Completed Online Courses

Name of Staff	Dept.	Course / Activity Title	Offering Institute
Prof. U H Thoriya	CE	Outcome Based Education and Accreditation	National Board of Accreditation and Education Department, Government of Gujarat
		Hands-on Workshop on Design of Effective and Measurable COs	InPods Ed-tech
		NBA Accreditation Issues	National Institute of Technical Teachers' Training & Research, Kolkata
		Criteria 3 - NBA Accreditation	InPods Ed-tech
		Program Design Concepts - NAAC and NEP 2020	InPods Ed-tech
Prof. N R Vadodariya	CE	Research Methodology & Preparation Of Research Proposal, Research Report & Research Paper	Marwadi University, Rajkot
		Applications of Artificial Intelligence and Machine Learning	R K University, Rajkot
Prof. J D Vagadiya	CE	Applications of Artificial Intelligence and Machine Learning	R K University, Rajkot
Prof. R B Gondaliya	CE	Android Development with Kotlin	Google Developers
Prof. B J Vegada	ME	Finite Element Method	R K University, Rajkot
Prof. K C Agola	ME	Design Engineering (Level-1)	GTU - Design Innovation Centre
		Finite Element Method	R K University, Rajkot

STAFF ACHIEVEMENTS

Completed Online Courses

Name of Staff	Dept.	Course / Activity Title	Offering Institute
Prof. S S Kanjiya	ME	Recent Trends in Thermal Energy Storage System and its Applications	IITE, Indus University, Ahmedabad
		Finite Element Method	R K University, Rajkot
Prof. M K Pujara	ME	Finite Element Method	R K University, Rajkot
Prof. S G Janiyani	ME	Finite Element Method	R K University, Rajkot
Prof. V G Limabasiya	ME	Finite Element Method	R K University, Rajkot
		ANSYS FEA	Design Innovation Centre, GTU and Khodiyar CAD Centre
Prof. D S Dadhaniya	ME	Finite Element Method	R K University, Rajkot
		ANSYS FEA	Design Innovation Centre, GTU and Khodiyar CAD Centre
Prof. A N Tank	ME	Finite Element Method	R K University, Rajkot
Prof. P G Vegada	ME	Finite Element Method	R K University, Rajkot
Prof. K M Dhamsaniya	H&S	Use of Finite Element Method in Computational Fluid Dynamics	Department of Mathematics, School of Technology, Pandit Deendayal Energy University, Gandhinagar
		Emerging Trends in Sustainable Supply Chain Management	Department of Mathematics, Gujarat University, Associated of Inventory Academicians and Practitioners(AIAP) and Department of Operational Research University of Delhi.
Prof. M. S. Kadri	H&S	Use of Finite Element Method in Computational Fluid Dynamics	Department of Mathematics, School of Technology, Pandit Deendayal Energy University, Gandhinagar

STAFF ACHIEVEMENTS

Completed Online Courses

Name of Staff	Dept.	Course / Activity Title	Offering Institute
Prof. D H Zala	H&S	Problem Solving in Mathematics	Dr. Subhash Science College, Junagadh
Prof. B N Vyas	H&S	STTP-Communication Skills and Ethics: A Modern Education Tool in 21st Century	Gandhinagar Institute of Technology, Gandhinagar
Prof. D A Tejura	H&S	STTP-Communication Skills and Ethics: A Modern Education Tool in 21st Century	Gandhinagar Institute of Technology, Gandhinagar
Prof. D R Pipaliya	H&S	Use of Finite Element Method in Computational Fluid Dynamics	Department of Mathematics, School of Technology, Pandit Deendayal Energy University, Gandhinagar
Prof. P T Patel	EE	ISO/IEC 17025 – General Requirement for the Competence of Testing and Calibration Laboratory	Training and Capability Building Cell, Quality Council of India.
Dr. A V Gohel	Lib.	Recent Trends in Innovative & Smart Libraries in HEIs	GTU Central Library in collaboration with INFLIBNET Centre

JEE-Gyan @Symbiosis: Unlock JEE 2021 Smartly

Dt. 16-02-2021

JEE Main is the dream of every engineering aspirant which helps to secure seat either in IITs or in one of the prestigious engineering institutes. Dr. Nilesh Gambhava, Professor, Department of Computer Engineering was invited as an expert to conduct webinar on JEE-Gyan @Symbiosis: Unlock JEE 2021 Smartly. The webinar was organized by Symbiosis Institute of Technology, Symbiosis International University, Pune. During the webinar he discussed about required eligibility criteria in JEE, JEE examination schedule, scheme of examination, state of eligibility, and NTA score. In addition, he explained thoroughly about JEE (Main & Advanced). He also discussed about its important preparation tips and how to crack JEE (Main).

STAFF ACHIEVEMENTS

Published a Research

Prof. Vishal Vadgama, Assistant Professor, Department of Humanities & Science published a research paper entitled as Studies on Electrical Properties of Fe doped ZnO Nanostructured Oxides Synthesized by Sol-gel Method in international peer reviewed journal (Solid State Communications) having impact factor (I.F.) of 1.521 and citation score of 2.9, and ISSN: 0038-1098.

Prof. Dhvanik Zala, Assistant Professor, Department of Humanities & Science published three research papers which include research on Even-odd Harmonious Labeling of Some Graphs in IJITEE with ISSN: 2278-3075. This paper was mainly focused on H-graph, Bistar graph, Comb graph, $\langle k_{1,n}^{(1)}, k_{1,n}^{(2)}, k_{1,n}^{(3)} \rangle$ which are proved as even-odd harmonious graph. His second research paper was on Neighborhood Prime Labeling of Some Graphs in IJCRT with ISSN: 2320-2882. It has proved that Double star graph, Coconut tree graph, Jewel graph, Jelly Fish $J(n,m)$ admit neighborhood prime labeling. Third research paper was on Study on k-Prime Labeling of Some Graphs in IJARESM (ISSN: 2455-6211) which has proved that path graph, comb graph, caterpillar graph, kite graph are k-prime graphs for any positive integer k.

Achieved 1st and 2nd Position in The International Science Symposium

Dt. 08-04-2021 to 09-04-2021

The International Science Symposium was organized on Recent Trends in Science and Technology at Christ College for UG, PG, Research scholars, and Delegates from Academia and Industry for various subjects for two days. Two faculties from our University participated and also secured rank. Prof. Dhvanik Zala secured 1st rank as a delegate from Academia Category for the subject of Mathematics and Prof. Vishal Vadgama secured 2nd rank in Research Scholar Category for the subject of Physics.

STUDENT ACHIEVEMENTS

Published a Research

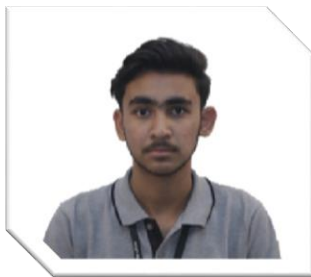
Mr. Kandhal Jadeja, M. Tech (Thermal Engineering), Sem. 4, Department of Mechanical Engineering published a research paper on Experimental Investigation on Single Cylinder 4-Stroke Diesel Engine Using Nanofluids as a Coolant to Compact the System in the International Journal of I.C. Engines and Gas Turbines (eISSN : 2582-290X), Volume 7 (Issue 1) got released in June 2021. His research paper was focused on reducing the size and weight of the cooling system of I.C. engines by utilizing water base CuO nano-coolant in place of traditional ones.

STUDENT ACHIEVEMENTS**GTU Toppers**

Following students of Diploma Institutes obtained the top rank at GTU in Winter 2020 examination with SPI score of 10 out of 10.



Rathod Dushyant
DE CE, Sem-5



Vaghasiya Kaushal
DE CE, Sem-5



Maniar Harsh
DE CE, Sem-5



Gajipara Renis
DE CI, Sem-5



Gangani Dishant
DE CE, Sem-5



Suvarna Srayshi
DE CE, Sem-5



Hingu Vatsal
DE CI, Sem-3



Mehta Mit
DE CI, Sem-3



Vaghela Jay
DE CI, Sem-3

STUDENT ACHIEVEMENTS

Successfully Qualified GATE Examination 2021

Following students of Degree Institutes successfully qualified GATE Examination 2021. We hearty congratulate them for their success from Darshan family.



Mehta Alay
BE CE, Sem-8
AIR: 510



Depani Prince
BE CE, Sem-8
AIR: 2030



Kundariya Rishit
BE CE, Sem-6
AIR: 13616

UltraTech Sparkling Start – 2021

Dt. 15-03-2021

UltraTech Cement Ltd. organized a zonal level technical presentation named as UltraTech Sparkling Start – 2021. From our university, 3 teams of BE Sem. 6 & 8 participated and got qualified in prelim round and presented their topics in the final round. The team of Kavar Jimmy (Sem.8), Ruparelia Tushar (Sem.6) and Rabadiya Maulik (Sem.6) secured 1st Runner Up among 9 teams who were participated from different colleges of Saurashtra region. Winner team presented on the topic of Rigid Pavement, guided by the faculties of Department of Civil Engineering.



Selected in Microsoft Learn Student Ambassador 2021



Drashti Jethva, BE, Sem.5, Department of Computer Engineering has been selected as Microsoft Learn Student Ambassador 2021 and gets recognition certificate for hard work as a member of student ambassador team.

STUDENT ACHIEVEMENTS

Completed Online Courses

During January 2021 to June 2021, following students of our university joined and successfully completed online courses. Details of these courses are as follows.

Name of Student	Dept.	Course / Activity Title	Offering Institute
Nakum Divyesh	ME	Answering Conceptual Questions (Math)	Centre for Teacher Accreditation
		Pathways for 21st Century Teaching & Learning	
		Cultivating Gratitude	
		e-Quiz on Mechanical Engineering Subjects	Adichunchanagiri Institute of Technology
		Graphics Design - How to Make a Movie Poster	Tops Technologies
		Python with Django - Learn Python in 60 Minutes	
		Quiz on International Energy Day	Govt. of Gujarat Gujarat Council of Science and Technology Aryabhata Lok Vighyan Kendra V.C. Technical High school , Morbi
		Quiz on International Technology Day	
		Advanced Excel workshop	JS Academy
		Fundamentals of Industrial Automation (Industry 4.0)	Skyy Rider Institutions
		Engine Systems of Two Wheelers	
		Methods of Heat Load Estimation- Fundamentals of HVAC Designing	
		Data Science for Beginners	
		Conservation Quiz	PCRA, My Gov

STUDENT ACHIEVEMENTS

Completed Online Courses

Name of Student	Dept.	Course / Activity Title	Offering Institute
Maghodiya Jaykishan	ME	Cyber Security- Learn the Website Hacks and Provide Better Security	Tops Technologies
Kateshiya Mayank	ME	Graphics Design - How to Make a Movie Poster	Tops Technologies
Dabhi Anil	ME	Design Boot Camp	GTU, CiC3
		Advanced Excel workshop	JS Academy
		Building Communication & Employability Skills in Students	Centre for Teacher Accreditation
		Building CTPS Skills in Students	
		Methods of Heat Load Estimation- Fundamentals of HVAC Designing	Skyy Rider Institutions
Parekh Viral	CE	Introduction to Digital Marketing	Great Learning Academy
Chaudhary Vasim	ME	Six Sigma White Belt Certification	Aveta Business Institut
Tank Ravi	ME	Opportunity and Challenges on Energy Conservation	B H Gardi College of Engineering & Technology and ASME
Lunagariya Raj	ME		
Parmar Roshan	ME	CNC Programming with Mastercam	Skyy Rider Institute

Words to Cherish

Change the world by being yourself.

--Amy Poehler

IN FOCUS

IJDI-ERET Impact Factor improved with 7.637

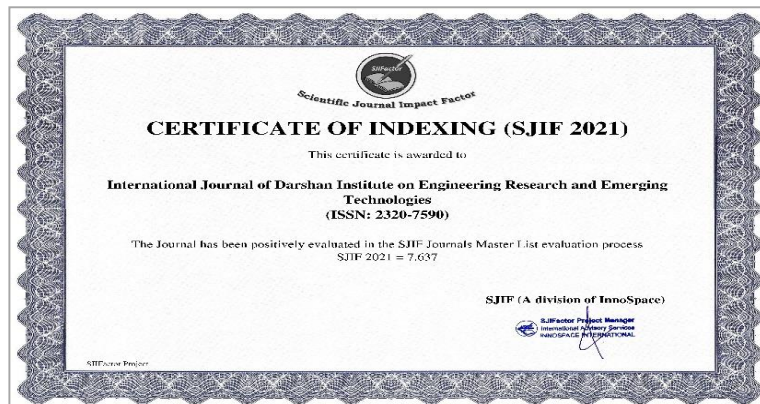
International Journal of Darshan Institute on Engineering Research and Emerging Technologies, (IJDI-ERET) is a biannual research journal published by Darshan Institute of Engineering & Technology, now honored as Darshan University. The journal has been registered at National Institute of Science Communication and Information Resources, New Delhi and holds an International Standard Serial Number (ISSN) of 2320-7590.

The journal does not have any kind of processing or publication charges. It has open access and all published papers in journal are free to access on-line from the date of publication on <http://ijdieret.in/>. In addition, the print version of journal is sent to the authors as well as are distributed free among different institutes, professional organizations and libraries for the benefit of the huge community. The number of reputed institutes have also subscribed our journals.

The journal has been evaluated by SJIF- Scientific Journal Impact Factor <http://sjifactor.com/passport.php?id=18549> with value of 7.637. Details as per SJIF Journal Rank (<http://sjifactor.com/masterlist.php>) the maximum value of SJIF is 8.4 and SJIF of our journal is 7.637.

The journal has been indexed in Ulrich's Web and many more

1. I2OR-International Institute of Organized Research
2. ISSN- International Standard Serial Number International Centre
3. Crossref
4. J-GATE
5. DOI
6. Google Scholars
7. DRJI-Directory of Research Journals Indexing
8. SIS-Scientific Indexing Services



TECH XPLORE

Cryptocurrency: The Magic Internet Money

Cryptocurrency is a virtual currency that doesn't rely on banks to verify transactions. It's a peer-to-peer system that can enable anyone anywhere to send and receive payments. Instead of physical money transactions and exchanges in the real world, cryptocurrency payments exist purely as digital entries to an online database that describe specific transactions. When you transfer cryptocurrency funds, the transactions are recorded in a public ledger. You store your cryptocurrency in a digital wallet. Cryptocurrency got its name because it uses encryption to verify transactions. It means advanced coding is involved in storing and transmitting cryptocurrency data between wallets and to public ledgers. Encryption aims to provide security and safety.

How Secure Is Cryptocurrency?

Cryptocurrencies are usually build using Blockchain technology. Blockchain describes the way transactions are recorded into "blocks" and time-stamped. It's a complex, technical process, but the result is a digital ledger of cryptocurrency transactions that's hard for hackers to tamper.

In addition, transactions require a two-factor authentication process. For instance, you have to enter a username and password to start a transaction. Then, you might have to enter an authentication code sent via text to your cell phone.

While securities are in place, that doesn't mean cryptocurrencies are un-hackable. Several high-dollar hacks have cost cryptocurrency startups heavily. Hackers hit Coincheck to the tune of \$534 million and BitGrail for \$195 million in 2018. That made them two of the biggest cryptocurrency hacks of 2018, according to Investopedia.

Are Cryptocurrencies legal?

There is no question that they are legal in the United States, though China has essentially banned their use, and ultimately whether they are legal depends on each country. Cryptocurrencies are not illegal in India. So if you want to buy, let's say Bitcoins, you can do so and start trading in it. However, India does not have a regulatory framework to govern cryptocurrencies as of now.



TECH XPLORE

Cryptocurrency: The Magic Internet Money

How many cryptocurrencies are there? What are their worth?

More than 10,000 different cryptocurrencies are traded publicly, according to CoinMarketCap.com, a market research website. The total value of all cryptocurrencies on May 27, 2021, was more than \$1.7 trillion - down from the April high of \$2.2 trillion, according to CoinMarketCap. The total value of all bitcoins, the most popular digital currency, was pegged at about \$735 billion - down from the April high of \$1.2 trillion.

After the creation of bitcoin, the number of cryptocurrencies available over the internet is growing. Below is a list of notable cryptocurrencies.

Sr.	Release	Currency	Symbol	Founder	Hash Algorithm	Programming Language of Implementation
1	2009	Bitcoin	BTC, XBT	Satoshi Nakamoto	SHA-256d	C++
2	2015	Ethereum	ETH, ð	Vitalik Buterin	Ethash	C++, Go
3	2015	Tether	USDT	Jan Ludovicus van der Velde	Omnicores	--
4	2017	Litecoin	LTC, Ł	Charlie Lee	Scrypt	C++
5	2017	Cardano	ADA, ₳	Charles Hoskinson	Ouroboros, PoS Algorithm	Haskell
6	2013	Dogecoin	DOGE, XDG, Ð	Jackson Palmer & Billy Marku	Scrypt	C++
7	2013	Ripple	XRP	Chris Larsen & Jed McCaleb	ECDSA	C++
8	2018	Stellar	XLM	Jed McCaleb	Stellar Consensus Protocol (SCP)	C, C++
9	2014	NEO	NEO	Da Hongfei & Erik Zhang	SHA-256 & RIPEMD160	C#
10	2014	Monero	XMR	Monero Core Team	CryptoNight	C++

Table Source: Wikipedia

Article by-

Prof. D B Kagathara,

(Assistant Professor, Computer Engg.)

EXTRA CURRICULAR ACTIVITY

NSS Orientation Programme

**Dt. 14-06-2021**

The NSS Unit organized an online orientation program for the newly enrolled students of Degree Engineering. Our University has been permitted to allot 100 volunteers for the NSS Unit. 200+ students attended the program. The NSS Programme Officer of our institute briefed about the motto of the NSS, the importance of its symbol & badge, aims, role, and duties of volunteers as well as activities to be performed in the village adopted by the NSS Unit. The same event was also organized for the students of Diploma Engineering on 17 June 2021.

EBSB (Ek Bharat Shreshth Bharat) Online NCC Camp

Dt. 09-03-2021 to 16-03-2021

EBSB (Ek Bharat Shreshth Bharat) Online NCC Camp was organized for the 8 states of India which include Gujarat and Seven Sisters of North Eastern Region. The main purpose of the Camp was to exchange knowledge of different culture, language, food, historical places, education, thinking, nature, atmosphere and cultural heritage etc. 92+ cadets and Sub Lieutenant Kartikraj Dhamsaniya, Associate NCC Officer also participated in the camp. Different competitions like presentations, poetry recitation, poster making, folk song, dance and quiz were arranged by them. The number of cadets took part in various competitions. One of our cadets Vaidehi Shingala participated in quiz competition and secured 1st rank.

Collection & Donation Drive of Unused & Medicines

Dt. 03-06-2021 to 09-06-2021

When the pandemic is raging and the load of Covid cases have been shifted from metro and urban areas to semi-urban and rural belts, a shortage of resources- particularly medicines have hit the state. To alleviate this problem, the NSS Unit has launched a Collection & Donation Drive of Unused & Left Out Medicines for needy people. The students & faculties work as volunteers to collect Covid medicines from door to door in their neighborhoods. We appreciate them for their valued contribution to the Covid-19 pandemic.



EXTRA CURRICULAR ACTIVITY

7th International Yoga Day Celebration

Dt. 21-06-2021

International Yoga Day has been declared to be celebrated on 21st June of every year by United Nations General Assembly in year 2014. Our University also celebrated 7th International Yoga Day with the theme Yoga for Well-Being with great zeal. Our enthusiastic and energetic students performed various Yoga, Asanas and Pranayama with several standing & sitting postures. It helped to spread awareness among the people about the importance of it and its effects upon human health.



Republic Day Celebration 2021

Dt. 26-01-2021

Institute celebrated 72nd Republic Day. The students and faculties gathered at the campus to honor the day. NCC cadets performed enthusiastically in their uniforms which reverberated the place with feelings of patriotism. This was followed by flag hoisting by Hon. Principal Dr. R. G. Dhamsaniya. The program on this occasion also included other cultural programs where students showed their talent and love towards mother nation.



EXTRACURRICULAR EVENTS

Combined Annual Training Camp (CATC)-2021

Dt. 08-02-2021 to 14-02-2021

No. 8 Gujarat Naval Unit NCC organized a Combined Annual Training Camp (CATC)-2021 which was scheduled at Shree Satya Sai High School, Jamnagar. 150+ participated cadets received training of P.T., various Drills, NAVY Specialized Subjects (Navigation, Seaman Ship, Waterman Ship, Ship Modelling, Fire Fighting Drill etc.) and Sports by PI staff. The camp was visited by honorable Group Commander of Jamnagar group headquarter Col. K. S. Mathur. During award ceremony, the award of the overall best performing institute was received by Our College. Winners of the events are listed below:

Individual Achievement	
Name of Students	Achievement
P.O.Cadet Ruchit Kakkad	Awarded as best cadet in sports.
P.O.Cadet Tanvi Pandya	Awarded as best cadet in Drill
P.O.cadet Tanvi Pandya	Awarded with medal for piloting
Cadet Vaidehi Shingala	
Cadet Kruti Nariya	

Senior Wing (Group Achievement)		
Rank	Event name	Name of Students
1st	Tug of war	Cadet Krupali Jakasaniya

Senior Division (Group Achievement)		
Rank	Event name	Name of Students
1st	Volley ball	P.O.Cadet Ruchit Kakkad Cadet Burhan Bharmal Cadet Bhargav Shir Cadet Ronak Agrawat Cadet Dhruvil Sanghavi
1st	Tug of war	P.O.Cadet Ruchit Kakkad Cadet Burhan Bharmal Cadet Harshit Sojitra Cadet Ronak Agrawat
1st	Athletic s	P.O.Cadet Ruchit Kakkad

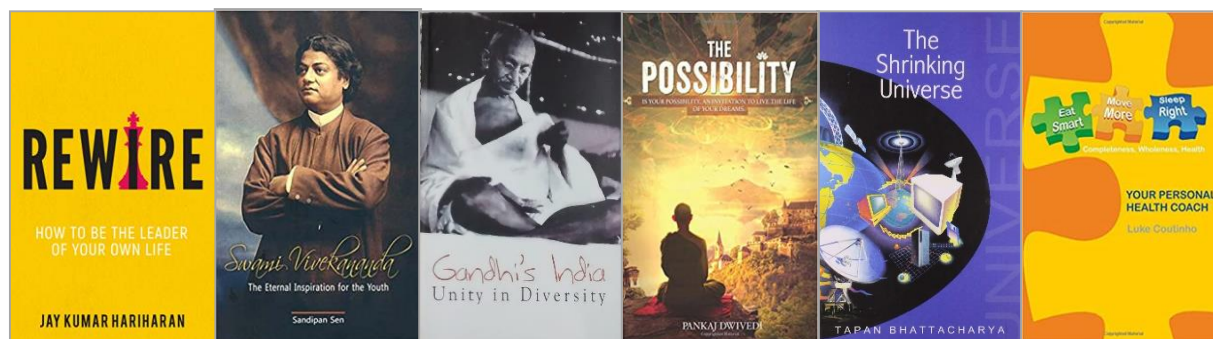


LIBRARY

New Arrivals

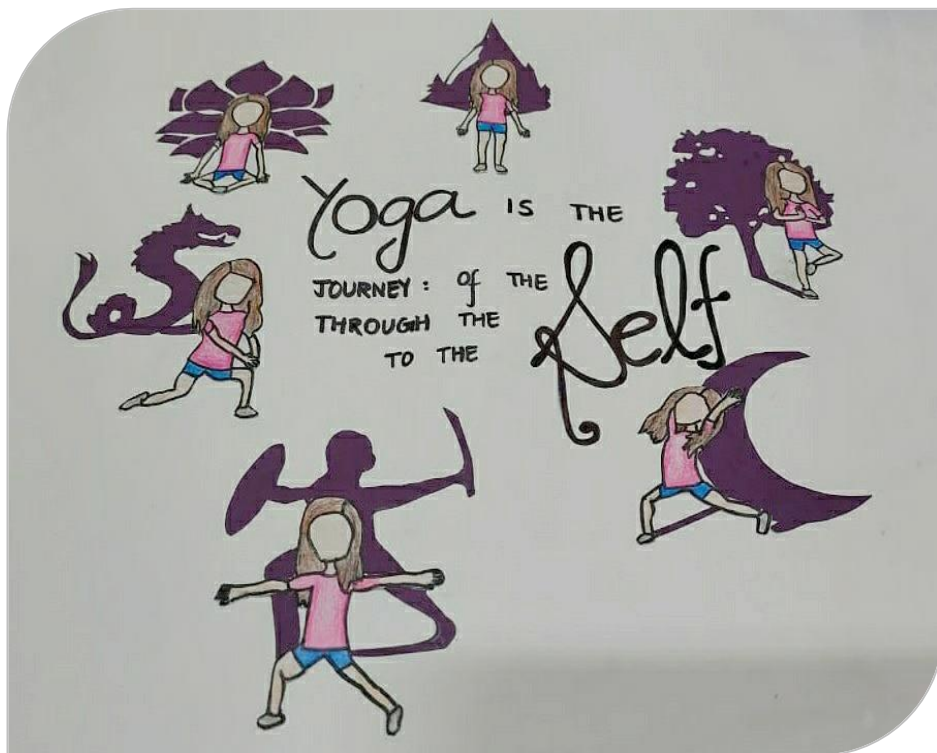
Sr.	Name of Book	Author
1	The Shrinking Universe: Young India Library	Tapan Bhattacharya
2	Pain & Its Management: Popular Science	Sugandha A. Karapurkar
3	Return of the Trojan Horse: Tales of Criminal Investigation	Amit Dubey
4	Karma: Its Applicability and Relevance in Day-to-Day Life	Laljee Verma
5	The Possibility: An Invitation to Live The Life of Your Dreams	Pankaj Dwivedi
6	You Are Your Answer	Manoj Adhyayi
7	Rewire: How to Be The Leader of Your Own Life	Jay Kumar Hariharan
8	હસ્તાક્ષર કે ઓટોગ્રાફ	પ્રકાશ મોદી
9	વિશ્વની મહિલા અંતરિક્ષયાત્રીઓ	કેવલ આર. અંધારિયા
10	ઈસરોની સુવર્ણજયંતી	અશોક પટેલ

And Many More....



CREATIVE CORNER

Paintings



Piece of Art by:
Sejal Gupta
(BE, CE, SEM 4)



Piece of Art by:
Dhruv Parmar
(BE, CE, SEM 4)

PLACEMENT NEWS

Pre-Placement Activities

Dt. 06-03-2021

Department of Computer Engineering organized Pre-Placement Activities for the students of BE Sem. 6. The Pre-Placement activities include MCQ and Practical Examination on JavaScript. The objective of this activity was to make students aware about the need of developing theoretically and practically sound curriculum with strong JavaScript concepts.

Pre-Placement Activities

Dt. 13-02-2021

As the competition has been increased in the industries, companies have started to be more strategic in the selection of recruits. To bridge the gap between requirements of the industry and the skills of the students, Department of Computer Engineering organized Pre-Placement Activities for the students of BE Sem. 6. The Pre-Placement activities include Aptitude/Reasoning, C programming, and DBMS (SQL, Fundamentals). It was arranged on three consecutive Saturday dated on 13 Feb., 20 Feb. and 27 Feb., 2021.



PLACEMENT NEWS

Top Recruitments

Following students of BE are placed during January-June 2021 in various companies. We congratulate all of them and wish for the better future.

Computer Department

Sr.	Name	Company	CTC(Lakh)
1	Bhanushali Milan	Tatvasoft	3.72-4.2
2	Kundariya Rishit	Tatvasoft	3.72-4.2
3	Patel Chintankumar	Tatvasoft	3.72-4.2
4	Trivedi Aanal	Tatvasoft	3.72-4.2
5	Bakhai Dhairya	AIMDek Technologies	3-4
6	Gohel Devarshi	AIMDek Technologies	3-4
7	Pandya Kushal	AIMDek Technologies	3-4
8	Pandya Rushi	AIMDek Technologies	3-4
9	Pansuriya Pranjal	AIMDek Technologies	3-4
10	Suchak Mit	CodeTrade io	2.4 - 3.6
11	Bansi Pankaj	Tatvasoft	3.24-3.6
12	Gor Keval	Tatvasoft	3.24-3.6
13	Shobhana Parth	Tatvasoft	3.24-3.6
14	Ardeshana Darshak	Tark Technologies	3.5
15	Ghori Ketan	Tark Technologies	3.5
16	Vadagama Hiren	Tark Technologies	3.5
17	Songara Utsav	Tark Technologies	3.5

PLACEMENT NEWS

Top Recruitments

Computer Department

Sr.	Name	Company	CTC(Lakh)
18	Malli Rensi	NeoFruition	2.16-3.24
19	Kaila Bansi	Astrum Labs Pvt Ltd	3.15
20	Rangani Nandini	Tatvasoft	2.76-3.12
21	Daraniya Bhakti	Cybercom Creation	2.64-3.12
22	Kathrotiya Prit	Cybercom Creation	2.64-3.12
23	Koringa Princekumar	Cybercom Creation	2.64-3.12
24	Savalia Bhadresh	Cybercom Creation	2.64-3.12
25	Vanani Niharkumar	Cybercom Creation	2.64-3.12
26	Dalsaniya Rutu	Cybercom Creation	2.64-3.12
27	Gadhiya Dhruv	Cybercom Creation	2.64-3.12
28	Degda Mansi	RKIT Software Private Limited (Miracle)	3
29	Sayani Kashyap	RKIT Software Private Limited (Miracle)	3
30	Vora Smit	RKIT Software Private Limited (Miracle)	3
31	Yagnik Veer	RKIT Software Private Limited (Miracle)	3
32	Adhyaru Keyur	RKIT Software Private Limited (Miracle)	3
33	Kamani Brijesh	RKIT Software Private Limited (Miracle)	3
34	Pambhar Pinal	RKIT Software Private Limited (Miracle)	3
35	Kanani Shrey	Yudiz Solutions Pvt. Ltd.	3
36	Patadiya Henish	Yudiz Solutions Pvt. Ltd.	3

PLACEMENT NEWS

Top Recruitments

Computer Department

Sr.	Name	Company	CTC(Lakh)
37	Bakhai Dhairya	Kevit Technologies	3
38	Khakhkhar Runil	Kevit Technologies	3
39	Agravat Rushikesh	HypeTeq Software Solutions Pvt. Ltd.	2.4-3
40	Sakhiya Viraj	HypeTeq Software Solutions Pvt. Ltd.	2.4-3
41	Palan Niyati	Emipro Technologies Pvt. Ltd.	1.5-3
42	Madariya Yash	esparkbiz	2.76
43	Sakhiya Jay	esparkbiz	2.64
44	Goswami Shailja	WebMob Technologies	2.4
45	Gabani Chintanbhai	RKIT Software Private Limited (Miracle)	2.4
46	Bhalara Rohan	Ace Analytics	2.4
47	Bhanushali Milan	RKIT Software Private Limited (Miracle)	2.25
48	Donga Dipamkumar	RKIT Software Private Limited (Miracle)	2.25
49	Pandya Shruti	AceDataAnalytics	1.92
50	Raichura Sanjana	Shyamal Infotech	1.8
51	Vekariya Krupali	OwnAI Solution	1.8
52	Bhadeshiya Bhumit	TheAppGuruz	1.8
53	Savliya Krupali	TriState Technology LLP.	1.68
54	Bhalodiya Riya	DevERP Solutions Pvt. Ltd.	1.44
55	Rathod Darshan	Codeflash Infotech	1.44

PLACEMENT NEWS

Top Recruitments

Computer Department

Sr.	Name	Company	CTC(Lakh)
56	Makwana Chandrakant	CBS Software Solution	1.4
57	Joshi Mansi	Ambiq Web Pvt. Ltd.	1.2

Mechanical Department

Sr.	Name	Company	CTC(Lakh)
1	Detroja Brijesh	Accenture	4.5
2	Modha Meet	Atul Auto Ltd.	1.8
3	Sangani Vikas	Cognova Heat Treatment LLP	1.68
4	Padalia Meetkumar	Macpower CNC Machines Ltd.	0.96

Electrical Department

Sr.	Name	Company	CTC(Lakh)
1	Mav Jigar	Ashwani Metals Pvt. Ltd.	1.2