BIRLA VISHVAKARMA MAHAVIDYALAYA

Industry Institute Interaction (III) Cell

"Project Expo-2021"

Sponsored by

TEQIP-III, SSIP and BVM Alumni Association

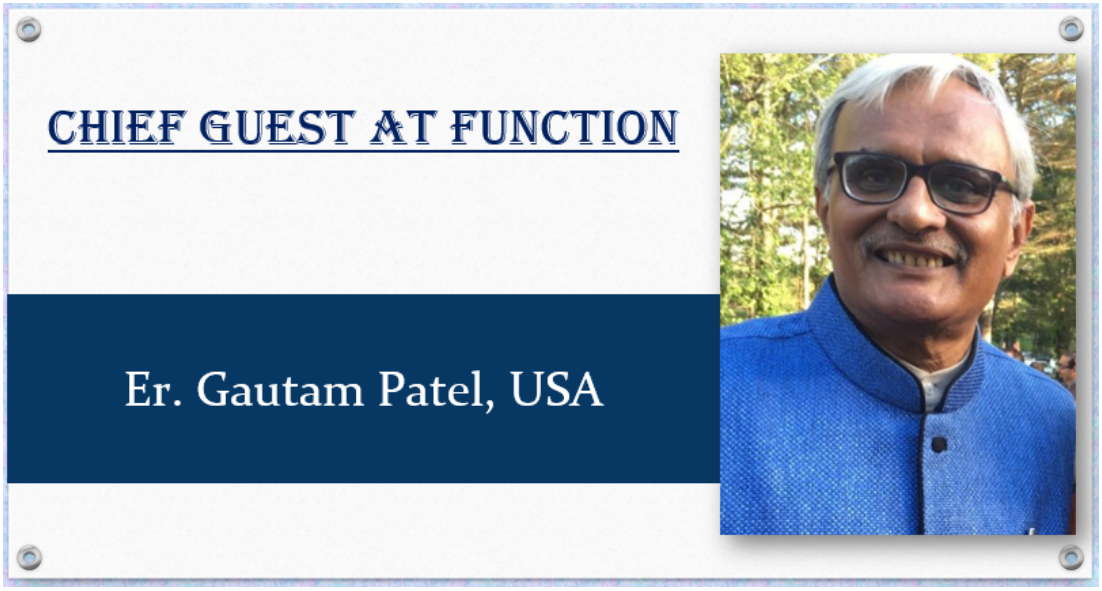
Event Date: Wednesday 9th June, 2021, at 5:00 pm

Project Expo -2021 was organized on 09-06-2021 in total eight departments of BVM comprising of final year B.E. (Civil, Computer, Electrical, Electronics, Information Technology, Mechanical and Production Engineering) students.

Brief details about Project Expo 2021:

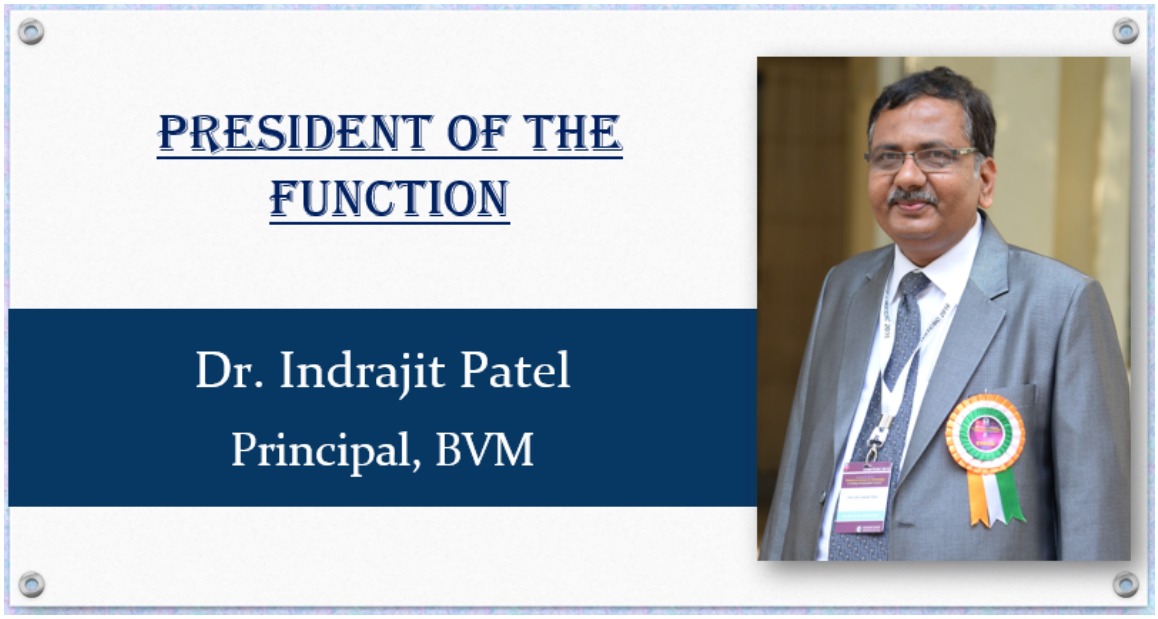
- Our institute is organizing Project Expo since 2031-14 and this is our 9th project Expo. Unfortunately, due to Covid-19 pandemic we were unable to organize in the year 2020.
- Our final year students are working hard during their 7th and 8th Semester of final year on their chosen Projects and come out with good results, analysis, prototype or working models, technical publications and even up to start-up or patents.
- In this year total 224 Projects were carried out by students under different disciplines. Out of these 224 totals 127 are minor projects i.e., User Defined Projects (UDP) and 97 are Major projects i.e., Industry Defined Projects.
- After scrutinizing by scrutiny committee at department level total 148 projects were Showcased in competition under Project Expo 2021, out of these 77 are Minor projects and 71 are Major Projects.
- In Civil engineering 18 projects, Electrical Engineering 29 projects, Mechanical Engineering 20 projects, Production Engineering 10 projects, Computer Engineering 22 projects, Electronics Engineering 30 projects and Information & Technology 19 projects were showcased by students.
- **The toppers and winners' projects in each department and invited Jury members are**:
- **Civil:** Mass Construction using 3D Printing and its Analysis based on various criteria. Guided by Prof. A. N. Bhavsar and Students are: Doshi Mohit, Talajiya Sambhav, Sharma Parthkumar, and Dani Hetvi.
    - **Expert Jury:** 1 Er. Hiren Nanavati Consulting Civil Engineer & Valuer, Surat, 2 Er. Jitendrasinh J. Solanki Dy. Exe. Engineer, SSNNL, Gandhinagar.
- **Electrical**: Minor: Primary Controller for DC microgrid. Guided by Prof. Ajay M. Patel and students are: Rohit Kukadiya, Vishal Gothiwala and Harshal Patel.
    - Major: Multi-Parameter Assessment of Solar Radiation at BVM Engineering College. Guided Dr. R. P. Mehta and Mr. Chirag Patel (SteelHacks) and students are: Kedar patel & Darshit K. Vyas.
    - **Expert Jury:** 1 Mr. Parag Kanjiya Instasine Pvt Ltd, Pune, 2 Mr. Gopal Gajjar PowerAnser Labs, IIT, Bombay
- **Mechanical:** Minor: Experimental Thermal Analysis of Phase Change Material (PCM) in Domestic Refrigerator. Guided by Dr. J P Hadiya and Students are: Anandkumar Patel, Harshit Bhalsod, Maulik Sojitra and Bhavya Kathiriya.
    - Major: To develop, analyse & implementation of friction stir welding for Aluminium alloy. Guided by Prof. H G Katariya & Mr. Santosh Katakar (L&T Defence, Hazira) and Students are: Smit Gandhi & Zeal Tandel.
    - **Expert Jury:** 1 Mr. Vrajlal B Senjaliya ELECON, 2 Mr. Vishal R. Patel Sr. Engineer, (Design & Development), EIMCO ELECON.
- **Production:** Design Analysis of Top Spin Ride Using Finite Element Method. Guided by Dr Hardik Beravala and Students are: Patel Jay & Bhavsar Yashkumar.
    - **Expert Jury:** Er. Ghanshyambhai Mistry Shree Jayanti Engineering Works, GIDC, Vitthal Udyognagar, Anand.
- **Computer**: Minor: Patel Photo Inpainting with GAN. Guided by Prof M J Joshi & Prof Pranay Patel, and Students are: Parth Narodia, Jay Koradiya and Bhavesh Varma.
    - Major: Society Management System. Guided by Prof Prashant Swadas, Dr H D Vasava & Ms. Pravina Upadhyay (Simform Solutuions Pvt Ltd) and Student is Yagnesh Prajapati.
    - **Expert Jury:** 1 Mr. Viral K Shah Project Manager, 2 Mr. Dipenkumar Parmar Manager, System Level Solution Pvt Ltd, 3 Mr. Nilesh Vaghela General Manager, Electromech.

- **Electronics**: Minor: ROBOTIC ARM. Guided by Dr. D.M.Patel & Dr.M.S.Holia and students are: Rumit Shah & Rutvik Valand.
    - Major: IOT Based Smart Industry. Guided by Prof Ajay Daiya and students are: Nariya Bhargav & Zalawadia Sharv.
    - **Expert Jury:** 1 Er. Bhaskar Trivedi Senior Director and Embedded Head, PerfectVIPs, 2 Er. Himanshu Ankleshwaria PCB Design Manager, SLS Ltd, Anand.
- **Information & Technology**: Minor: Image Upscaling guided by Dr. Zankhana Shah and students are: Kushal Tanna, Anany Munshi, Rutu Patel & Tanushree Pardhi.
    - Major: Live 3D Simulation for Demonstration of Security System. Guided by Dr. Keyur Brahmbhatt & Ms. Bhumika Sharma (Gayatri Hi-tech) and student is Ankit Kaushik.
    - **Expert Jury:** 1 Mr. Harshit Lalpura Founder, Hashmedia, 2 Mr. Jinesh Shah Technical Lead, TCS, 3 Mr. Nirav Patel Senior Software Engineer, Infocusp Ltd, 4 Mr. Harshit Shah Senior Software Engineer, MasterCard.
- **Chief Guest of the function: Er. Gautam Patel, BVM Alumni. Electrical 1978 batch and Businessman at USA.**



Words by Er. Gautam Patel:

Our Chief Guest have joined online to the program at early morning from New Jersey, USA.
He had Congratulated all winners and appreciated all Participant Students of Final year. He recalled the days of 1978, the year of his graduation and Principals & Faculties of those years. He advised the budding engineers to how to tackle the new world, new challenges and to reach new opportunities.
He shared the experience of him in technical world and business.
He congratulated the BVM Alumni for their support to student's activity. He remembered the celebration of Silver Jubilee, Golden Jubilee of Alma BVM. He assured to remain present to the Platinum Jubilee Celebration 2022-23.



Presidential Remarks by Principal Dr. I. N. Patel

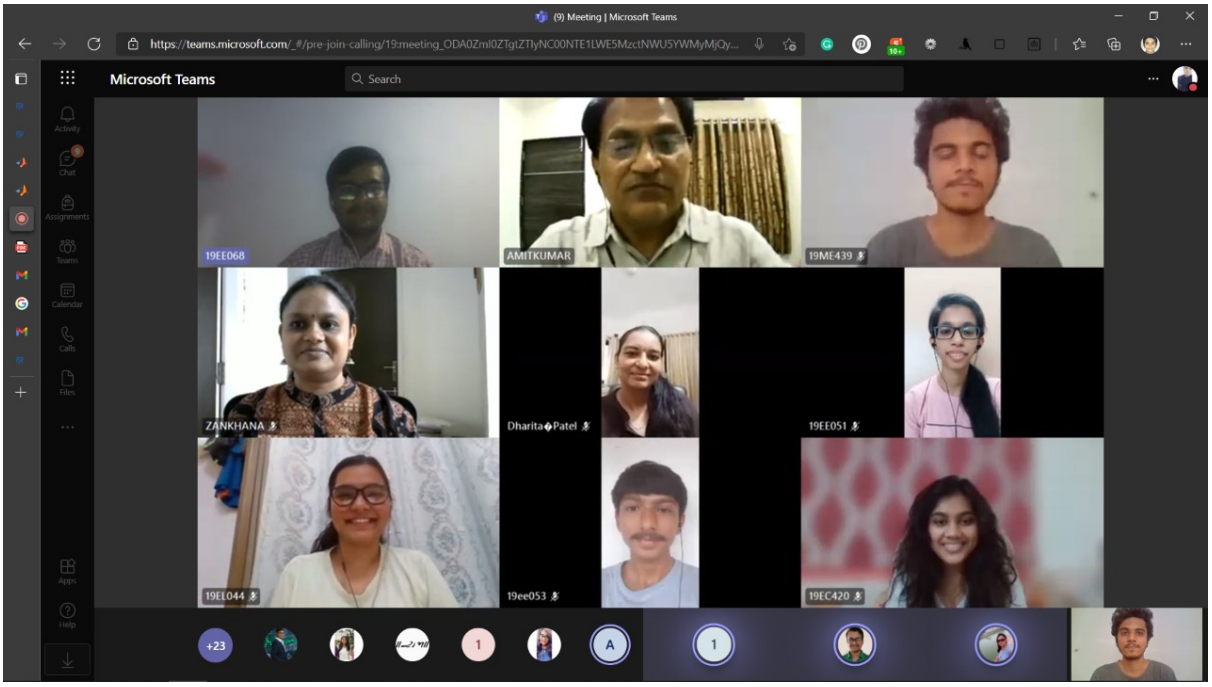
Dr. I. N. Patel welcomed the Guest Shri Gautam Patel, other dignitaries and students. He has commented towards the diversity of projects under different departments and congratulated all winners. Principal insisted to the further outcome of the projects in form of Technical Publications in reputed journals and Start-up projects along with the filing of patents.
He announces the forth coming mega event at our institute, the Platinum Jubilee Celebration during 2022-23.

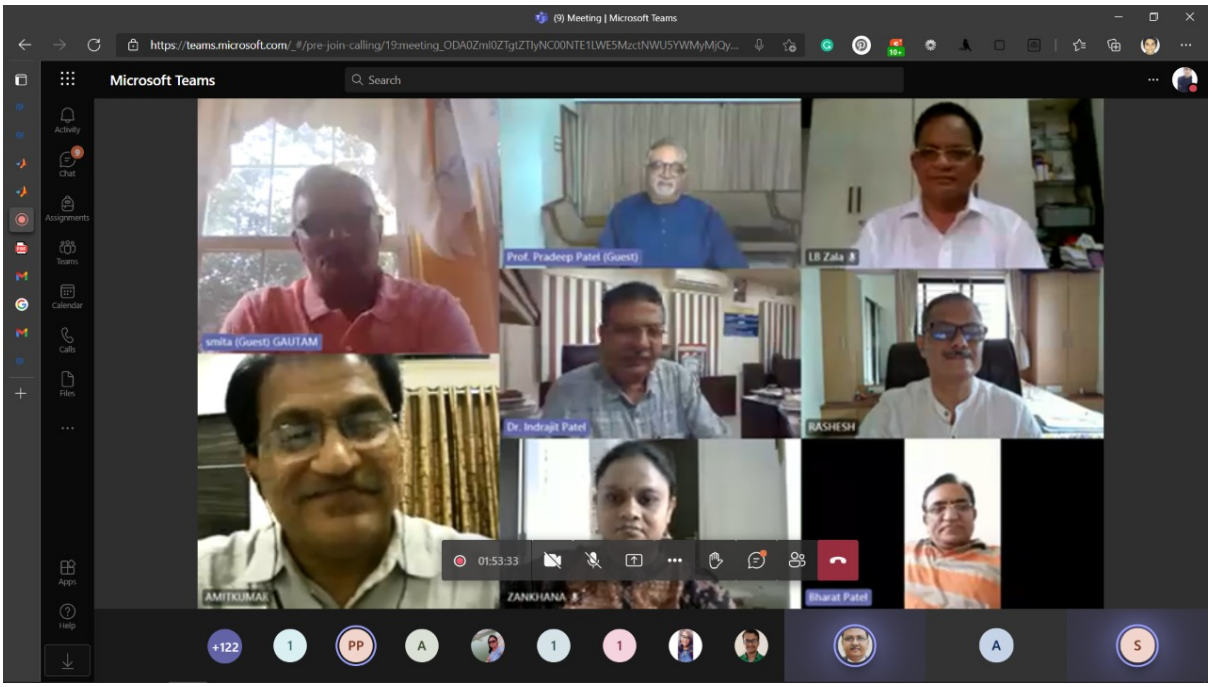
Project Expo Program details:

- Program initiated with the Prayer to Lord Saraswathi Mata and virtual lamp-lighting.
- Dr. R. P. Mehta, HoD of Electrical Engineering, formally welcomed all dignitaries and introduced the eminent persons at the function.
- Prof. A. N. Bhavsar, Associate Dean III and Coordinator of the Project Expo-2021 brief the audience and guests about the Project Expo-2021 and the Felicitation Program.
- Dr. L. B. Zala, Dean III and Head of Civil Engineering Department thrown the spot light on Industry Institute Interaction Cell, its role in technical education and the various activities carried out through the year. He stressed the collaboration and support from the GIDC, V. U. Nagar and other Industries within the State.
- Prof. Pradeep Patel (Comfy), Hon. Secretary of BVM Alumni Association highlighted the activities of Alumni and its association with the Institute and students in their development. Infrastructure make-over and other outcomes.
- Project Expo Winners Announcement Part-I carried out by Prof. A. N. Bhavsar with presentation prepared by the students' team.
- Remarks given by the Chief Guest Er. Gautam Patel.
- Presidential remarks were given by the Principal Dr. I. N. Patel.
- Project Expo Winners Announcement Part-II carried out by Dr. Zankhna P. Shah with presentation prepared by the students' team.
- Release Ceremony of BVM Magazine "Vishvakarma" was done by the Principal, BVM.
- At the end of the function Dr. Akshay Pandya delivered the vote of thanks.

- The compering of the Felicitation Program was performed by the students' team, along with creating online platform, E-lamp lighting, and the presentation under the guidance of Prof. Dharita Patel, Dr. Zankhna Shah and Prof. A. N. Bhavsar.

The glimpses of the Inauguration function are as follows:





The reports of Project Expo for various departments are as follows:

1) CIVIL & STRUCTURAL ENGINEERING DEPARMENTS

The two eminent experts were:

- Er. Jitendrasinh Joravarsinh Solanki, Deputy Executive Engineer & PS to Chairman Sardar Sarovar Narmada Nigam Ltd, 1st Floor, Block 12, New Sachivalaya, Gandhinagar 382010 (On left below)

- Er. Hiren Nanavati, M.E. Civil, M. Val (Real Estate), Consulting Engineer and Valuaer, 401, Hiral Bldg , Opp J K Tower, Ring Road, Surat 395002. (On right above)
  As per the Evaluation done by two eminent experts of the concerned area of Specialization.

CIVIL PROJECT EXPO – 2021 WINNERS ARE:

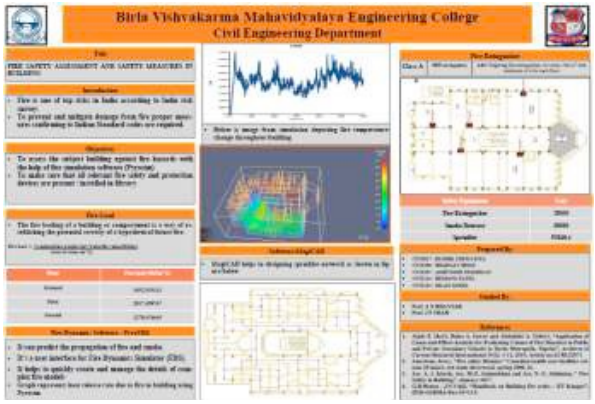
Sr. No	ID No.	Name of students	Faculty Guide	Title of project
1st Prize	**17CE032**	**TALAJIYA SAMBHAV KIRTIKUMAR**	Prof. A. N. Bhavsar	Mass Construction using 3D Printing and its Analysis based on various criteria.
	17CE034	**SHARMA PARTHKUMAR DHIRAJBHAI**		
	17CE037	**DANI HETVI JAYESH**		
	17CE049	**TANDEL PRAKRUTIBAHEN KISHORBHAI**		
	17CE060	**DOSHI MOHIT MAYURBHAI**		
2nd Prize	**17CE012**	**PARMAR ROMIT DINESHBHAI**	Dr. S. V. Mevada	Earthquake Vibration Control Using Innovative Techniques.
	17CE035	**SOLANKI CHIRAGKUMAR RAMANBHAI**		
	17CE041	**MAHESWARI CHIRAGKUMAR JUGALBHAI**		
	17CE050	**CHAUHAN ARPITKUMAR CHETANBHAI**		
	17CE059	**CHAUHAN KINJALBEN VIRABHAI**		

3rd Prize	**17CE017**	**CHOVATIYA RUSHIK A.**	Prof. Jagruti P. Shah & Prof. A. N. Bhavsar	Fire safety assessment and safety measures in educational building: Case study of BVM.
	17CE100	**BHAD BHARGAV B.**		
	17CE107	**UPADHYAY ASHUTOSH S.**		
	17CE124	**PATEL HEMANG N.**		
	17CE125	**GOHIL DILAN JITESH**		
3rd Prize	**17CE008**	**KORAT NIYATI MUKESHBHAI**	Prof. A. N. Desai	Analysis of Soft-Story Effect for multi-storied buildings during earthquakes.
	17CE015	**SAWANT SAGAR MUKUNDRAV**		
	17CE020	**KHARODAWALA ABDULKADIR K.**		
	17CE024	**PATEL PRAHARSH GANESHBHAI**		
	17CE074	**KATHIRIYA PARIGNA MANOJBHAI**		

The prizes were awarded for each category: Major and Minor Project.
An amount of Rs. 5000/- to Rank 1 as first prize, Rs. 3000/- to Rank 2 as second prize and Rs. 2000/- to Rank 3 as third prize were awarded in each category by BVM Alumni Association.

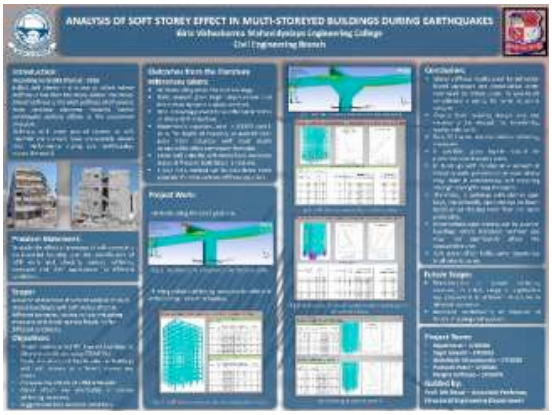
The brief details of the 'Winners Project' are displayed through their 'Project Posters'.

	1st prize winner: **Mass Construction using 3D Printing and its Analysis based on Various criteria.**
2nd Prize winner: **Earthquake Vibration Control Using Innovative Techniques**	



3rd Prize winner:
Fire safety assessment and safety measures in educational building: Case study of BVM.

3rd Prize winner:
Analysis of Soft-Story Effect for multi-storied buildings during Earthquakes.



2) Computer Engineering Department

o **Industy Experts**

- **Nilesh Vaghela: (**Founder at ElectroMech, AWS Community Hero):
-

More than 20 Years of Experience, Resourceful company founder with open-source Ethic, successfully completed lots of Linux and aws cloud projects with services includes Zimbra Enterprise Mail Solution, Linuxfirewall. Ipsec / open VPN, Samba 4 as domain controller with win group policies. Enterprise backup solution, Apache / tomcat web server LAMP plateform, Red Hat cluster suite, Open ldap integration for various services/ custome schema / object class / attributes xrdp terminal service.

- **Dipenkumar Parmar** (Manager: Software Level Solution Pvt Ltd): Certified Scrum Product Owner and 10+ Years of best industry experience with strong FreeRTOS & Linux OS knowledge enabling Secure Nebulae IoT Framework (www.nebulae.io) for various E2E smart use-cases with vast RF(6LoWPAN+Zigbee+Wi-Fi/non-RF(G3PLC) Sensors Network via Industrial/non-industrial Gateways to Cloud middleware. Certified Scrum Product Owner by Scrum Alliance. Leading Nebulae IoT Framework (www.nebulae.io) team with various NebuLink devices. Leading FOTA (Firmware Over the Air) Framework development for IoT devices. Lead Service Team for UK GBCS Smart Metering Implementation Programme's major client for their devices to provide OS Stability and RF expert Services which expects the life of ~15 years with Agile way project management. Lead Product Team for TSCH (Training Simulator Communications Hub), this is again used by UK GBCS Smart Metering Implementation Programme to train the Installers for commissioning various Smart Meters/equipment.

- **Viral Shah:** (Project Manager at RKIT Software Pvt. Ltd): Experienced Analyst with a demonstrated history of working in the computer software industry. Skilled in Computer Science, PHP, C++, Android, and Mobile Applications. Strong engineering professional with a Master of Computer Applications (MCA) focused in Mobile Computing (Android,iPhone),Maths and Embedded Systems,C++,C,PHP,.net from R.K college of Engineering & Technology.

Scrutiny Committee:

Dr Mayur Vegad, Prof. P B Swadas, Dr. N M Patel, Prof. Mosin Hasan

Process of Project Expo

1. All the fourth-year students of the BVM engineering college were instructed to make poster, video and presentation for the online project expo.
2. For Minor Project (Project II: CP442) out of 15 projects 7 projects were scrutinize by the expert committee at department level.
3. For Major Project (Full Semester External Project: CP446) out of 33 projects 15 were scrutinize by the expert committee at department level.
4. These scrutinized projects were further given to industry experts for final evaluation. Projects were evaluated based on 9 parameters like project usefulness, completeness, implementation, impact on society etc.
5. First, second and third rank winners are selected based on industry experts' marks out of 100.

Project Expo Winners - Major Project

1st: Society Management System

Daily life in city areas has important things to deal with Society Management. Our day to day needs such as Water supply, Electricity, Security and many more things which directly or indirectly plays the vital role in residential life, comes under Society Management. In most of the cases, Society management practices a traditional way of communication. This certainly has some limitations and disadvantages. Daily notices, monthly meetings, cultural events, miscellaneous contacts(services) for daily needs, security alerts, high priority communication and many others which may not be conveyed properly in current scenario as most of the things are getting handled manually. It lacks transparency. To overcome the problems occurring due to this time lagging manual system, an automated system needs to be developed to reduce the human efforts.

2nd: TENABLE APP FOR QRADAR

Finding out the threat is very important for achieving network security. Aim of the project is to develop a QRadar application which is integration between QRadar and Tenable core application to provide visibility of all the data centers protected by tenable server using dashboard. So that analyst can better understand all the log events, security threats, investigations and vulnerabilitiesin Tenable app for QRadar dashboard and betterly analyze network traffic with the help of QRadar functionalities on log activity taband different filters on dashboard.

3rd: Notes Marketplace

The developed system is a project as a solution for the problem running from ancient era where world has witnessed large portion of ancient wisdom in form of hand written manuscripts sank into oblivion. The same problem is still here where students gather knowledge and make study notes which with time degrades and become dust. It also suffer problem of being available to only one user at a time. This project's main goal is to let students, professors and other educational personnel collaborate via making the notes they have prepared, available to other user in form of digital documents which are free from misery of time and availability. The project also make sure to compensate creators for their efforts by letting them choose whether to upload notes as paid or free.

Project Expo Winners - Minor Project

1st: Photo Inpainting with GAN

Inpainting, the technique of reconstructing lost or deteriorated parts is an ancient art. It has numerous applications from the restoration of damaged portions to removing an object from the image. The word "Inpaint" means to fill the gap in the image. In the Traditional form of Inpainting, artists used to fill the gap in pixels with pixels that are the same as, or similar to, neighboring pixels. This process was time-consuming, and They fail when the image has huge gaps or a significant amount of missing data. In this project, we have used the Deep Learning-based Convolution method for digital inpainting.

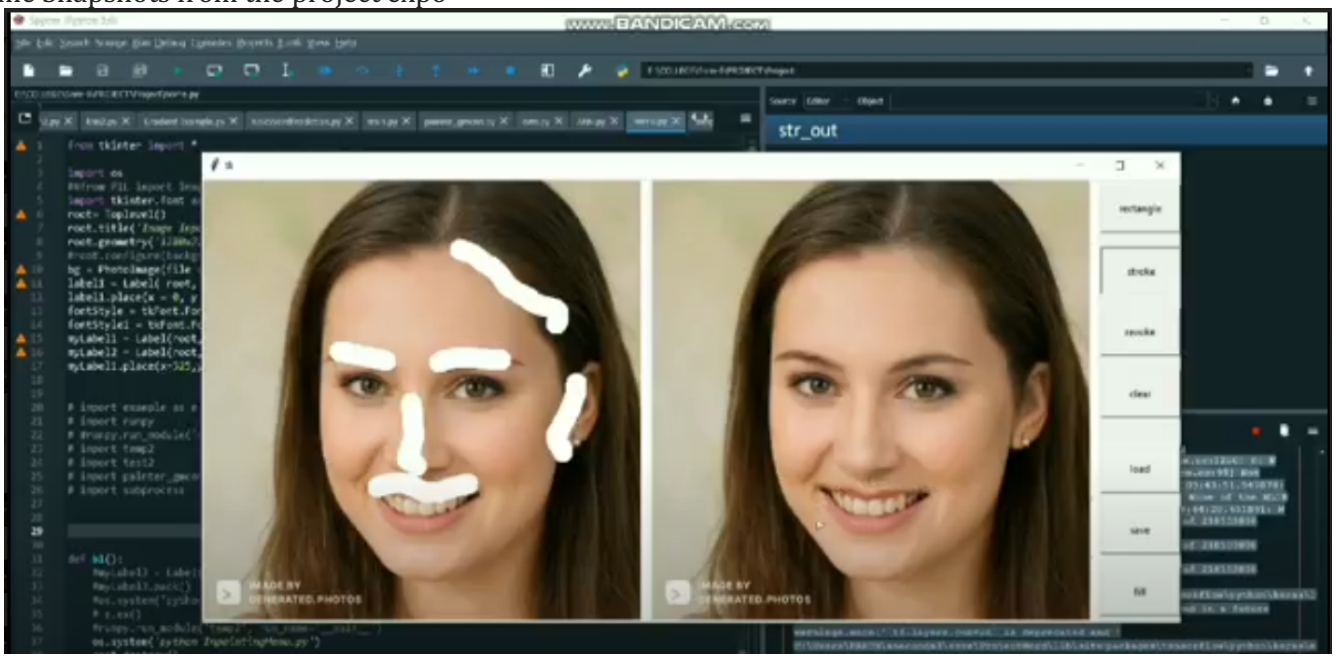
2nd: Automatic Form Filler (using Handwritten OCR)

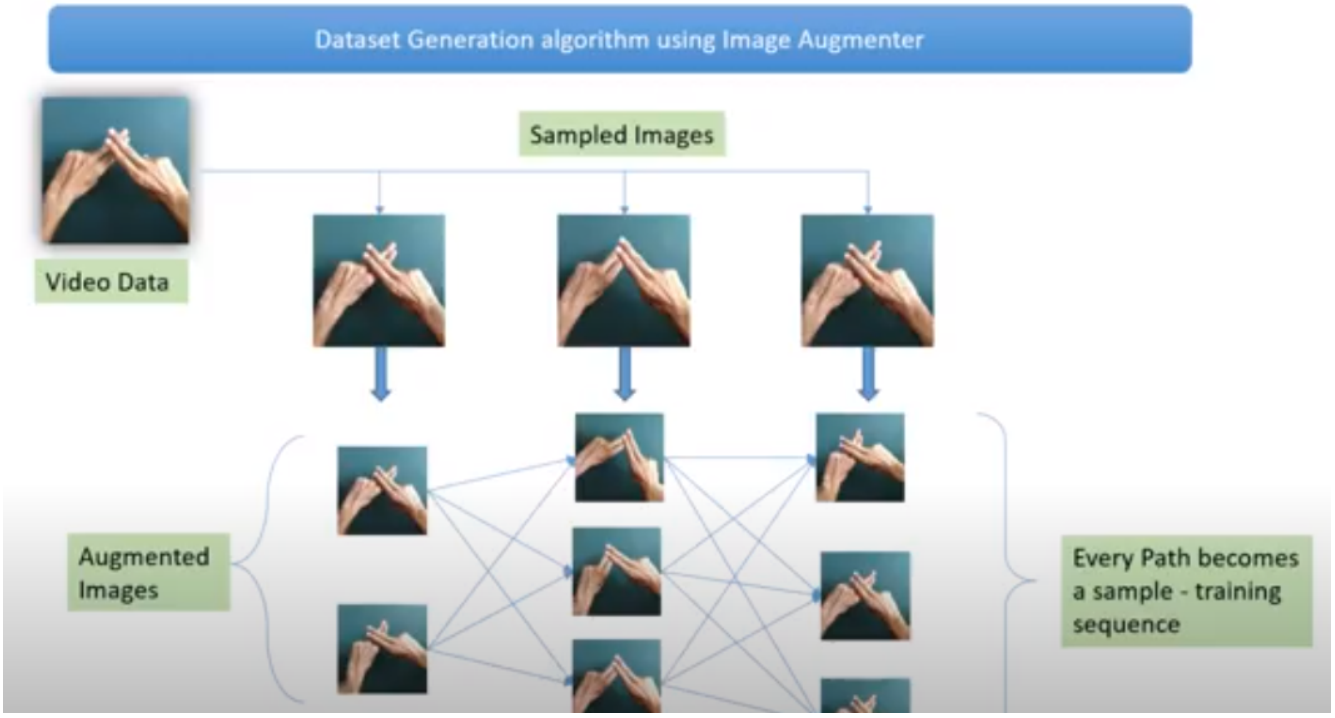
To automatically digitize documents and extract the information to organize and categorize the information in a convenient manner. To avoid the tedious task of manually entering the data of handwritten filled form in the portal. To prevent human errors. using Deep Learning and MNIST dataset we are automatically detecting proper form filling forms sections.

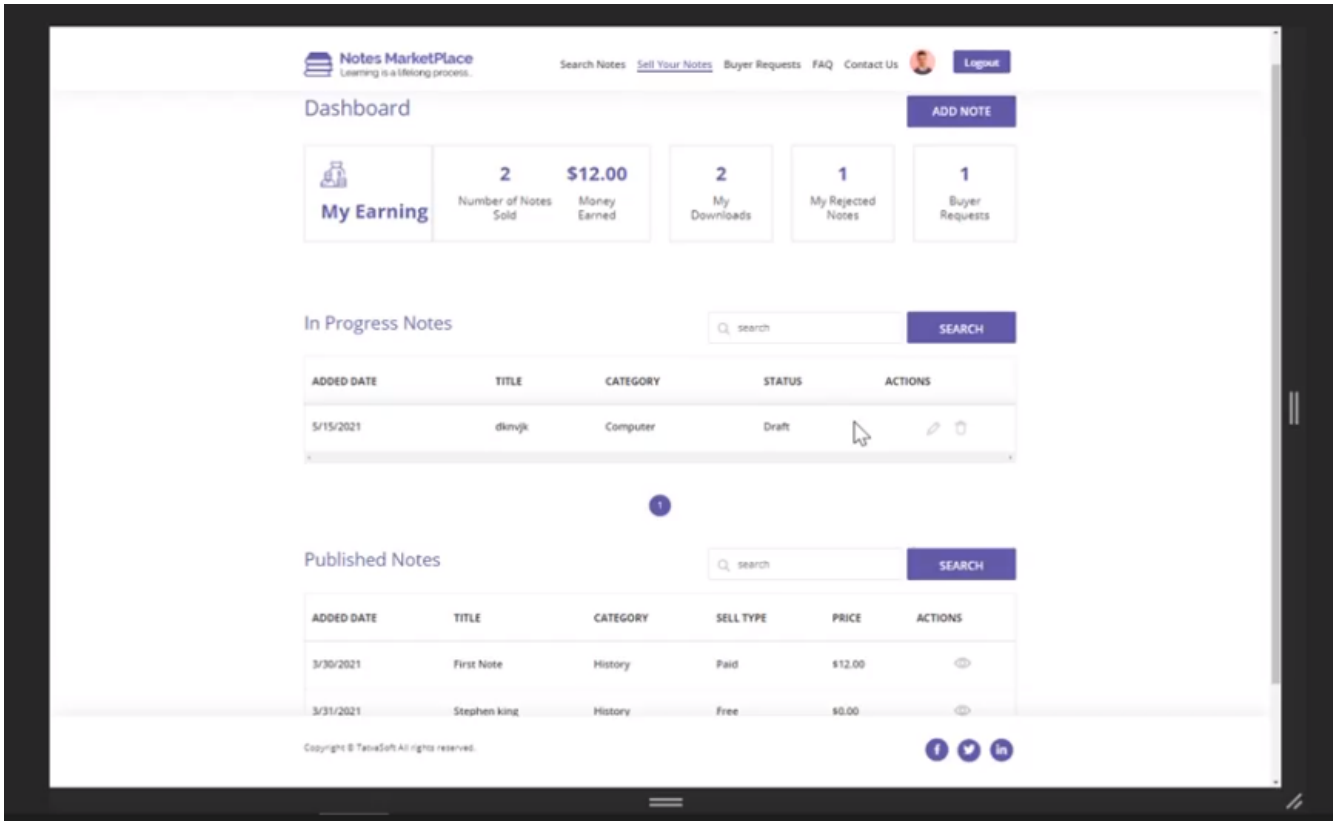
3rd: Indian Sign Language Recognition

Sign Recognition models are developed to help people who communicate in Sign Language to be able to communicate in other literary languages such as English or Irish through mechanism of Machine learning like KNN and Deep Learning Models. In this work we introduce a methodology to translate Indian Sign Language's (ISL) words to English words using Convolutional and Sequence Models. We also illustrate the dataset development for recognized word space and also depict the results achieved on recognizing days of the week in ISL with further insights.

Some Snapshots from the project expo






Notes MarketPlace
Learning is a lifelong process.
Search Notes
Sell Your Notes
Buyer Requests
FAQ
Contact Us
Logout
Dashboard
ADD NOTE
My Earning
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1
Buyer Requests
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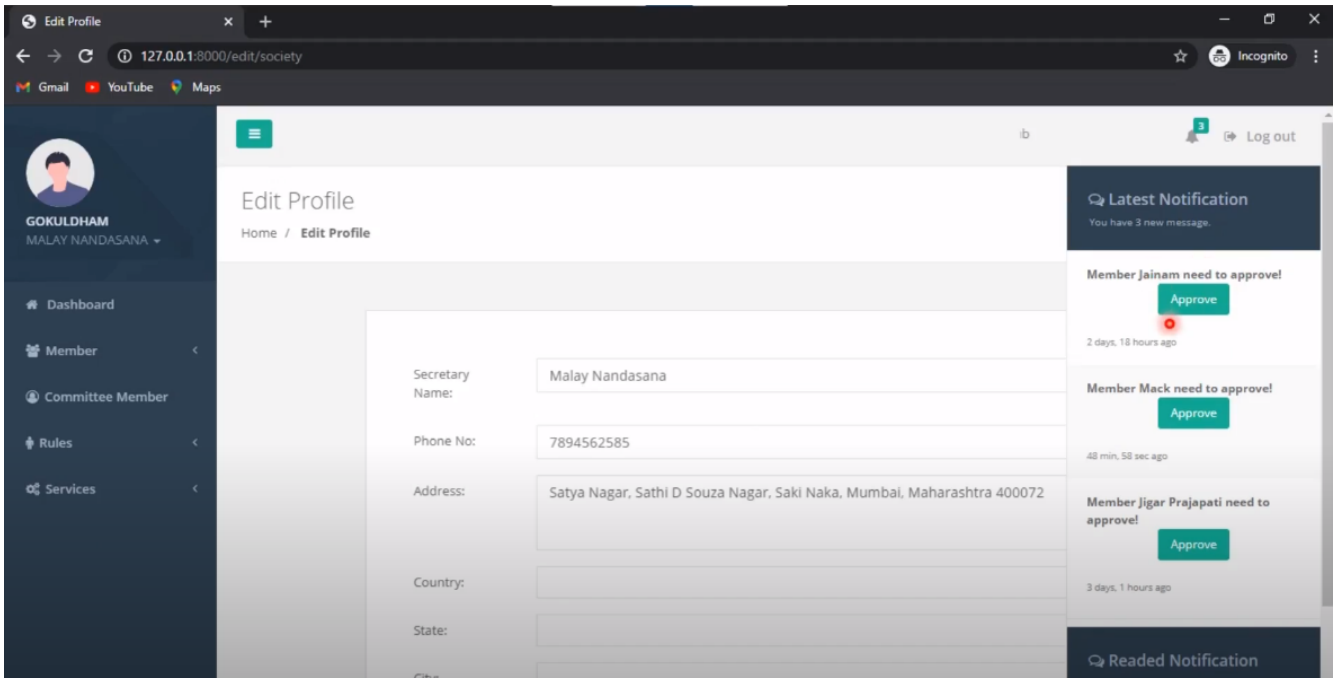
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GOKULDHAM
MALAY NANDASANA
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Member
Committee Member
Rules
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Edit Profile
Home / Edit Profile
Secretary Name:
Malay Nandasana
Phone No:
7894562585
Address:
Satya Nagar, Sathi D Souza Nagar, Saki Naka, Mumbai, Maharashtra 400072
Country:
State:
Latest Notification
You have 3 new message.
Member Jainam need to approve!
Approve
2 days, 18 hours ago
Member Mack need to approve!
Approve
48 min, 58 sec ago
Member Jigar Prajapati need to approve!
Approve
3 days, 1 hours ago
Readed Notification

3) Electrical Engineering Department

PROJECT EXPO is an event organized every year for the Final Year students of all Engineering branches at BVM, wherein the aim and objective is to provide an opportunity to the students and their faculty guides to have an interaction with the eminent industry experts by showcasing the project carried out. Industry Institute Interaction is the need of the hour and such activities provide a huge boost to the same. Industry experts examine the projects and provide their valuable suggestion pointing to the appropriate direction as per the industry demands.

BVM Engineering College had organized Project Expo 2021 event during **23rd May 2021 to 30th May, 2021**. In Electrical Department 28 project groups successfully demonstrated their projects in the form of Video presentations and Posters.

The two eminent experts were:

- Mr. Parag Kanjiya, Instasine Pvt Ltd, Thane, Mumbai
- Mr. Gopal Gajjar, PowerAnser Labs, IIT, Bombay.

EVALUATION PROCESS:

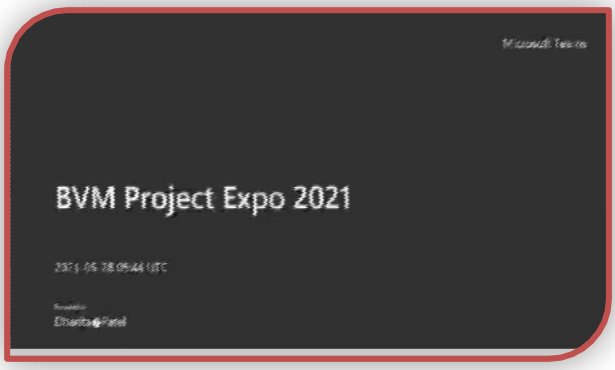
A scrutiny committee consisting of Dr. R. P. Mehta, Head, EE dept. and Prof. Dharita Patel, Project coordinator decided to give an equal chance to each and every group to demonstrate their project in front of the industry experts. Hence 28 project groups had successfully provided a video and poster of their respective projects which were later on collected and provided to the above mentioned two eminent experts for evaluation.

12 External Projects: EE46 (Major) and 16 Internal Projects: EE441 (Minor) were demonstrated to eminent industry experts.

The experts were given a time of almost 4-5 days for examining the projects at their convenience so as to have a fair evaluation. The examiners evaluated the projects based on the following criteria:

- Problem statement and need of study
- Aims, Objectives and Scope Originality and innovation in the project
- Literature Survey, Industry Visit/ Field survey Identify/ apply basic engineering variables and parameters to solve problem statement
- Use of appropriate procedures, tools and techniques in project
- Objectives attained, results, discussion an conclusion
- Poster presentation and reading and comprehension of technical and non-technical aspects of problem under study
- Effective oral presentation and response to questions

A Question Answer session was also organized on **28th May 2021 (Friday) during 11:00 am to 04:00 pm** to enable the experts to inquire about the respective projects and the students too responded effectively during the session.



As per the Evaluation done by the two eminent experts of the concerned area of specialization, winners of this competition from Electrical Engineering Department are as follows:

Minor Project

Sr. No	ID No.	Name of students	Faculty Guide	Title of project
1st Prize	17EE003	Rohit Bharatbhai Kukadiya	Prof. Ajay M. Patel	Primary Controller for DC microgrid
	17EE010	Vishal Ashokbhai Gothiwala		
	17EE038	Harshal Kirankumar Patel		
2nd Prize	17EE058	Lovlesh Maheshkumar Roy	Prof. Dipan A. Parikh/ Prof. Swapnil Arya	Remote monitoring and control of VFD fed three phase induciton motor with PLC
	17EE061	Kenil DilipKumar Brahmabhatt		
	17EE201	Vyomesh D. Baria		
3rd Prize	17EE055	Bhavesh Harishbhai Samani	Dr. R. P. Mehta & Prof. J. C. Baria	AI and machine learning application to electrical engineering
	17EE057	Yadav jagdish Deshalbhai		

Major Project

Sr. No	ID No.	Name of students	Faculty Guide	Title of project	Industry Guide	Name of Industry
1st Prize	17EE023	Darshit Vyas	Dr. R. P. Mehta	Multi-Parameter Assessment of Solar Radiation at BVM Engineering College	Mr. Chintan Pandya	SteelHacks Ltd, Vitthal Udyognagar
	17EE024	Kedar patel				
2nd Prize	17EE011	Nirajkumar Rameshchandra Tiwari	Prof. G. K. Sharma	Fabrication of test setup to measure cogging torque of PMSM motor and BLDC motor	Mr. Sanjay Mahagaokar	Rotomotive Powerdrives India Ltd., Vitthal Udyognagar
	17EE018	Maharshi Rakeshkumar Shah				
3rd Prize	17EE008	Anurag Manish Abhyankar	Prof. Swanil Arya	Software design for Genesis test system	Mr. Sanjay Mahagaokar	Rotomotive Powerdrives India Ltd., Vitthal Udyognagar
	17EE004	Dhruvanshu Sanjaykumar Parekh				
	17EE063	Urvesh Rameshbhai Bhagat	Prof. Dharita K.Patel	IoT based Smart Energy meter reading and theft detection using WiFi Technology.	Dr. Vitthal Kamat	Baroda Electric Meters Ltd., Vitthal Udyognagar
	18EE377	Sonali Thakur				
	17EE001	Pragna Devendrabhai Rathava				

The prizes were awarded for each category: Major and Minor Project.
An amount of Rs. 5000/- to Rank 1 as first prize, Rs. 3000/- to Rank 2 as second prize and Rs. 2000/- to Rank 3 as third prize were awarded in each category by BVM Alumni Association.

4) Electronics Engineering Department

BVM Engineering College has organised Virtual Project Expo-2021 event during **26th May, 2021 to 30th May, 2021** for final year students under the guidennce of Dr. L B Zala III cell Dean and Prof. Amit Bhavsar coordinator project expo 2021. In Electronics Engineering Department total 44 projects done in which 30 are IDP (Major) projects and 14 are UDP (Minor) projects. We use Project poster and project video in project expo 2021. We have selected 15 IDP project and 6 UDP projects for evaluation under the guidance of Dr. Tanmay Pawar HOD, EL. Our industry experts are Mr. Bhaskar trivedi from PerfectVIPs, Ahmadabad and Mr. Himanshu Ankeshvaria from SLS, New Vallabh vidhyanagar. They selected below best three project group students of project Expo 2021. The winners of the said expo from Electronics Engineering Department are as follows:

Minor Project

Sr. No	ID No.	Name of students	Faculty Guide	Title of project
1st Prize	17EL017	Rumit H Shah	Dr. D.M.Patel Dr.M.S.Holia	ROBOTIC ARM
	17EL005	Rutvik Valand		
2nd Prize	17EL012	Anil Rathod	Dr. J.M.Rathod Prof. P.H. Panchal	Microstrip patch Antenna design
	17EL016	Abidali Ansari		
3rd Prize	17EL037	Ravindra Bhoi	Dr. D.L.Vala Prof.M.M. Khambalkar	Autonomous Fire fighting Robot
	17EL052	Ronak Ojha		

Major Project

Sr. No	ID No.	Name of students	Faculty Guide	Title of project
1st Prize	17EL003	NARIYA BHARGAV	Prof Ajay Daiya	IOT Based Smart Industry
	17EL010	ZALAWADIA SHARVIL		
2nd Prize	17EL004	Prachi Jain	Dr.M.S. Holia	Conveyor Belt with a robotic arm
	17EL007	Ruchi Patel		
	17EL067	Anjali Nayar		
3rd Prize	17EL018	Darshana	Prof. Chetan Jaiswal	Wireless Modbus Communication Model with Master-Slave devices
	17EL035	Rishabh Mishra		

5) Information Technology Department:

BVM Engineering College had organized Project Expo'21 event during **26th May, 2021 to 30th May, 2021**.

Total 35 Projects (Minor Projects -10 and Major Projects 25) of Information technology department had participated in Project Expo'21. Students were invited to submit the poster as well as short video for explanation to participate in event. Department PEC (Project Evaluation Committee) scrutinized and identified best total 19 Projects (Minor Projects -9 and Major Projects -10) to be further evaluated by Industrial experts. The Department Project Scrutiny committee was comprised of:

- Dr. Zankhana Shah, Project Coordinator
- Prof. Vishal Polara, Project Coordinator
- Prof. Prachi Shah, Member

The scrutinized projects were shared with four Industry Experts (two for major and two for minor projects) to evaluate the project and to decide the prize winners. Following Industry Experts rendered their services as Jury:

- Mr. Harshit Shah, Senior Software Engineer, MasterCard
- Mr. Jinesh Shah, Technical Lead, TCS
- Mr. Nirav Patel, Senior Software Engineer, InfoCusp
- Mr. Harshit Lalpura, CTO, Hashmedia

All 10 projects were evaluated as per criteria/rubrics for 100 points provided by Project Expo'21 organizing committee. The rank of project is given as per evaluation provided by experts.

The winners of the Project expo are as follows:

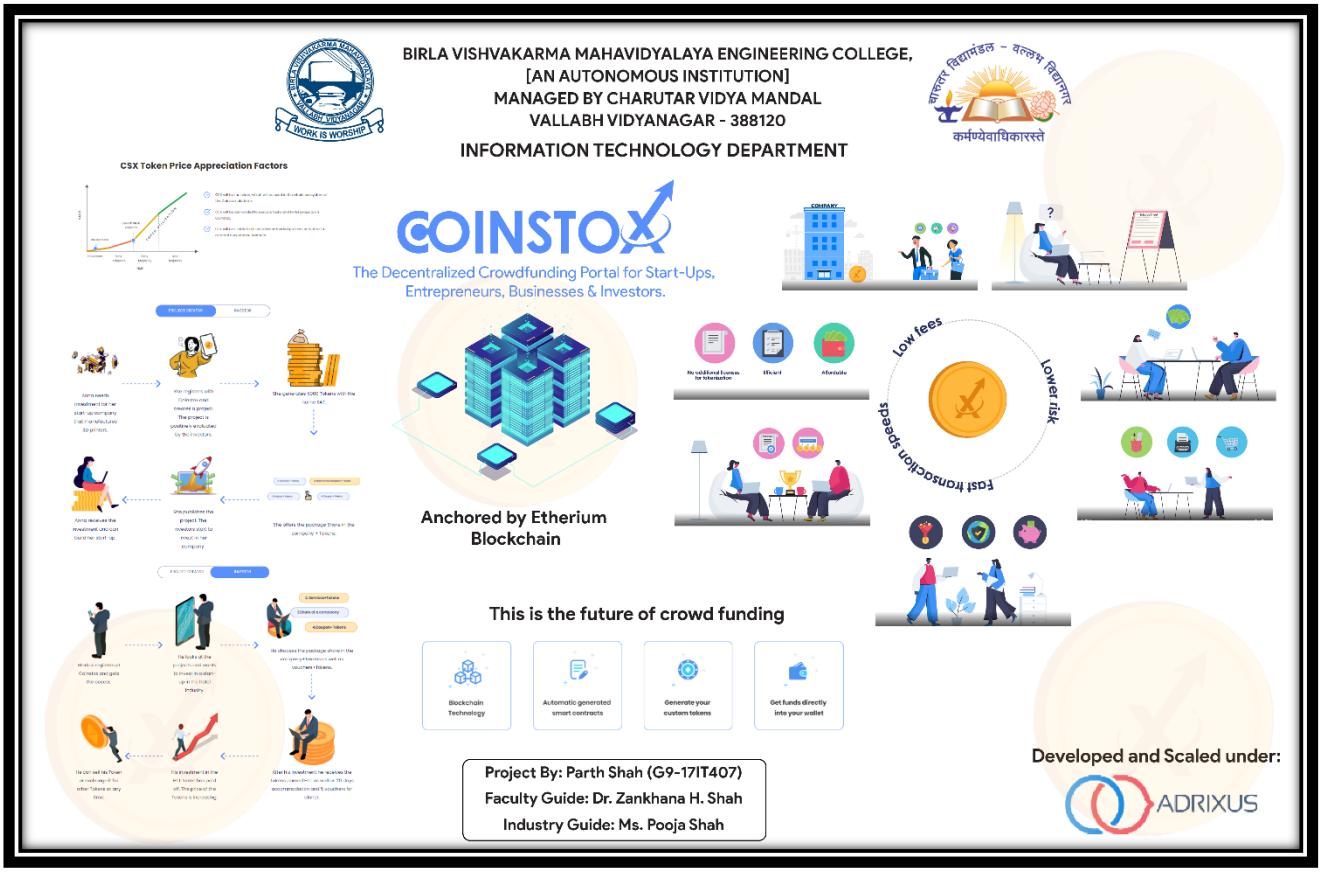
Major Project

Sr. No	ID No.	Name of students	Faculty Guide	Title of project
1st Prize	17IT427	Ankit Kaushik	Dr. Keyur Brahmbhatt	Live 3D Simulation for Demonstration of Security System
2nd Prize	17IT410	Nishit Jariwala	Prof. Vishal Polara	Price Estimator for vehicles
	17IT436	Darsh Patel		
3rd Prize	17IT407	Parth Shah	Dr. Zankhana Shah	The Decentralized crowd funding portal for start-ups, entrepreneurs, businesses & investors

Minor Project

Sr. No	ID No.	Name of students	Faculty Guide	Title of project
1st Prize	17IT421	Kushal Tanna	Dr. Zankhana Shah	Image Upscaling
	17IT443	Anany Munshi		
	17IT448	Rutu Patel		
	17IT753	Tanushree Pardhi		
2nd Prize	17IT425	Priyal Patel	Dr. Keyur Brahmbhatt	Person identification using voice
	17IT442	Darshan Tripathi		
	17IT449	Rutik Makwana		
	17IT453	Raviraj Chavda		
3rd Prize	17IT405	Keval Padsumbiya	Prof. Prachi Shah	Crowd Computing
	17IT409	Maulik Beladiya		
	17IT411	Gopal Sakhwala		
	17IT469	Neel Savani		

Posters of Winner Projects in Major Project Category



BIRLA VISHVAKARMA MAHAVIDYALAYA

DEPARTMENT OF INFORMATION TECHNOLOGY

IT446 – MAJOR PROJECT

Goal

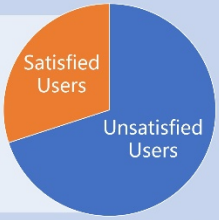
Calculate a fair market value of the car on basis of its status and its condition.

We are the Team of Price Makers - ValueWings

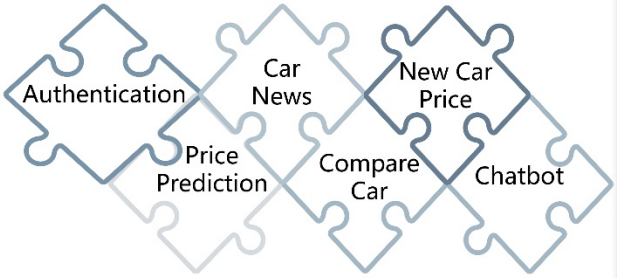
Motivation

Ratio of used car vehicle has been rapidly increasing.

According to Research 70% Users are not satisfied with what they get from dealer.



Modules



Flow

User

Want to Check Price

Come to ValueWings

Select Parameters

Algorithm Calculates the Price

Provides Car Price in four parameters

Generates Price Certificate

Audience

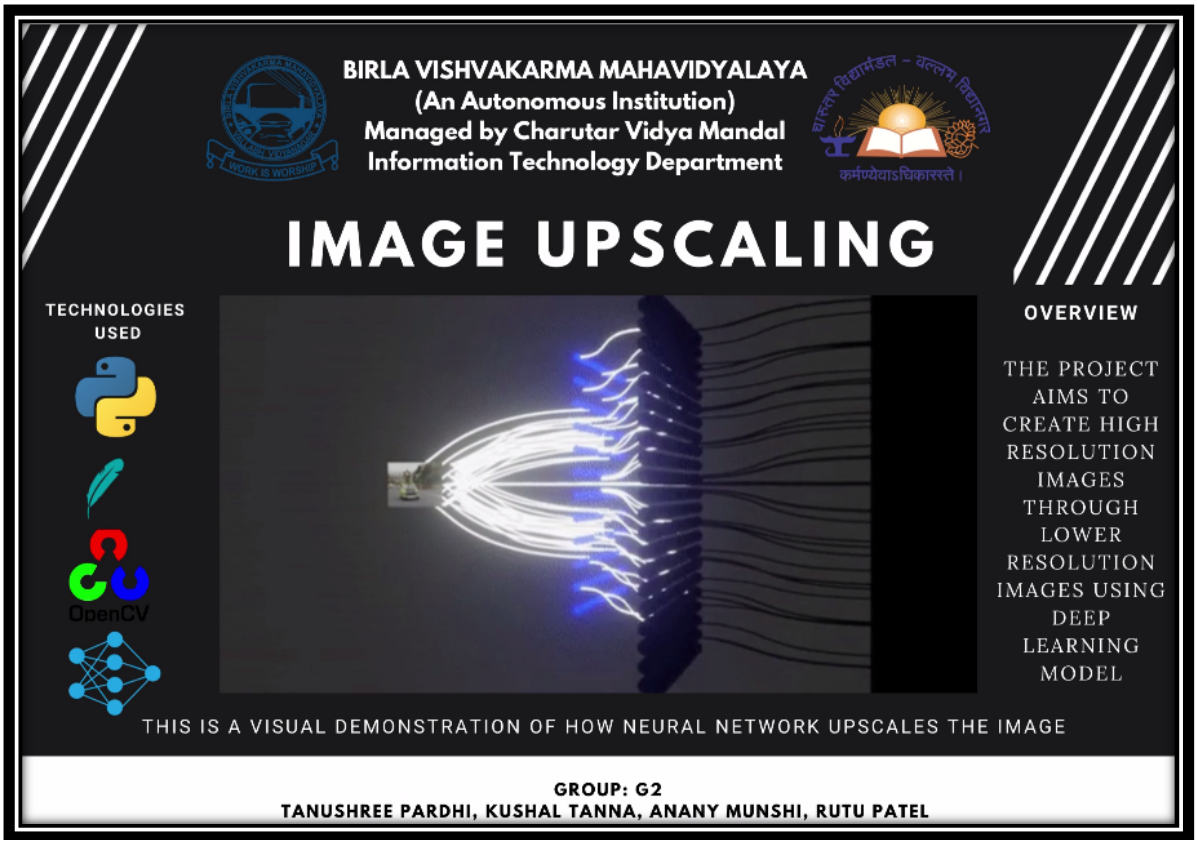
Buyer/Seller

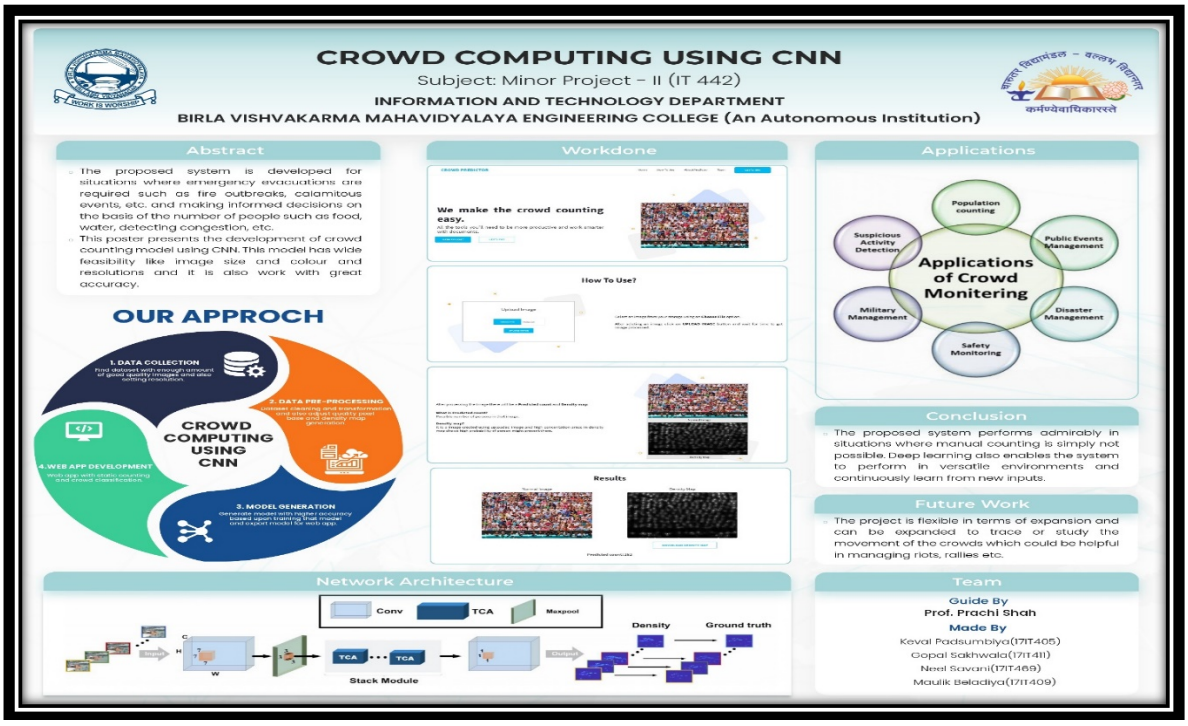
Car Dealer

Project By

Nishit Jariwala – 17IT410
Darsh Patel – 17IT436
Faculty Guide – Prof. Vishal Polara

Posters of Winner Projects in Minor Project Category





All Winner projects and students were felicitated at Project Expo Winner Felicitation Program on 9th June, 2021 at 5:00 pm online on MS Teams platform. Er. Gautam Patel, 1978 Electrical graduate of BVM was the chief guest of the function. Winning projects were given cash prize by BVM Alumni Association.

6) Mechanical Engineering Department:

Our college has organised Project Expo'21eventduring **26th May, 2021 to 30th May, 2021**. The winners of the said expo from Department of Mechanical Engineering are as follows:

Minor Project

Sr. No	ID No.	Name of students	Faculty Guide	Title of project
1st Prize	17ME038	Anandkumar Patel	Dr. J P Hadiya	Experimental Thermal Analysis of Phase Change Material (PCM) in Domestic Refrigerator
	17ME027	Harshit D Bhalsod		
	17ME403	Maulik D Sojitra		
	17ME408	Bhavya P Kathiriya		
2nd Prize	17ME071	Hiral Chaudhari	Prof. A M Thakkar	Design and Analysis of car parking mechanism with 180 degree wheel rotation
	17ME002	Divyesh Rana		
	17ME019	Yash Savaliya		
	17ME055	Abhishek Shingala		
3rd Prize	17ME068	Deven H Patel	Prof. H G Katariya	Manipulation of fluid flow inside tubes of Heat Exchanger
	17ME053	Yogesh Hinsu		
	17ME007	Zeel Trivedi		

Major Project

Sr. No	ID No.	Name of students	Faculty Guide	Title of project
1st Prize	17ME076	Smit Gandhi	Prof. H G Katariya	To develop, analyze & implementation of friction stir welding for Aluminium alloy AA7004
	17ME035	Zeal Tandel		
2nd Prize	17ME001	Nishit Jariwala	Dr. V J Patel & Prof S P Joshi	Analysis of Energy losses in Fluid Coupling
	17ME026	Jay Solanki		
3rd Prize	17ME410	Dhwanit R Tamboli	Prof. M J Zinzuwadia	Catalytic/ Non-catalytic oxidative fast pyrolysis of agro-residues and system evaluation
	18ME315	Krishna T Chudasama		

7) Production Engineering Department:

An Industry Institute Interaction cell, BVM Engineering College with the support of all the faculty members and students of the College, has organized a Virtual Project Expo – 2021 for B. Tech. final year students. The objective of this event was to showcase the achievements in their Industry Defined Projects or User Defined Projects (IDP/UDP) in front of Industrial experts.

There is a total of forty Final Year B.Tech. Production Engineering students of the department had participated in the event. They showcased their 13 major projects in the form of video presentations and digital posters. The department committee including the head of the department and department project coordinator scrutinized the projects at department level and selected the best 10 projects. BVM alumni, Er. Ghansyam Mistry the owner of Shree Jayanti Engineering Works at GIDC, Vitthal Udyognagar, Anand was appointed as an industry expert to evaluate these projects. The video presentations and digital posters of selected projects were shared with industry expert through Google drive. Among the category of Major Projects, 3 projects were selected as the best projects. The details of the best three projects are mentioned in the table below.

SR. NO	ID NO.	NAME	FACULTY GUIDE	TITLE OF PROJECT
1ST PRIZE	18PE309	PATEL JAY INDRAVADANBHAI	DR HARDIK BERAVALA	DESIGN ANALYSIS OF TOP SPIN RIDE USING FINITE ELEMENT METHOD
	18PE305	BHANDARKAR PARTH SANJAYBHAI		
	17PE017	BHAVSAR YASHKUMAR JAGDISHCHANDRA		
2ND PRIZE	17PE012	PRAJAPATI PIYUSH JAGDISHBHAI	DR HARDIK BERAVALA	DEVELOPMENT OF POLYMER BASED TOPOLOGICALLY ORDERED OPEN-CELL POROUS FOAM USING 3D PRINTING
	17PE013	MALAV PATEL		
	17PE011	RATHOD CHIRAGKUMAR RAMUBHAI		
3RD PRIZE	18PE303	DOMADIYA JAIMIN PRADIPBHAI	PROF P D CHAUHAN	IMPLEMENTATION OF A CONVEYOR SYSTEM IN THE PACKAGING DEPARTMENT IN THE F-60 DRYNIG PLANT
	17PE028	VAISHNAV JASHMINKUMAR BHARATBHAI		
	17PE404	VORA RUSHABH HIRENKUMAR		

The prizes of Rs 5000 for each 1st rank, Rs 3000 for each 2nd rank, and Rs 2000 for each 3rd rank winners funded from BVM Alumni Association.

Glimpse of the Event:

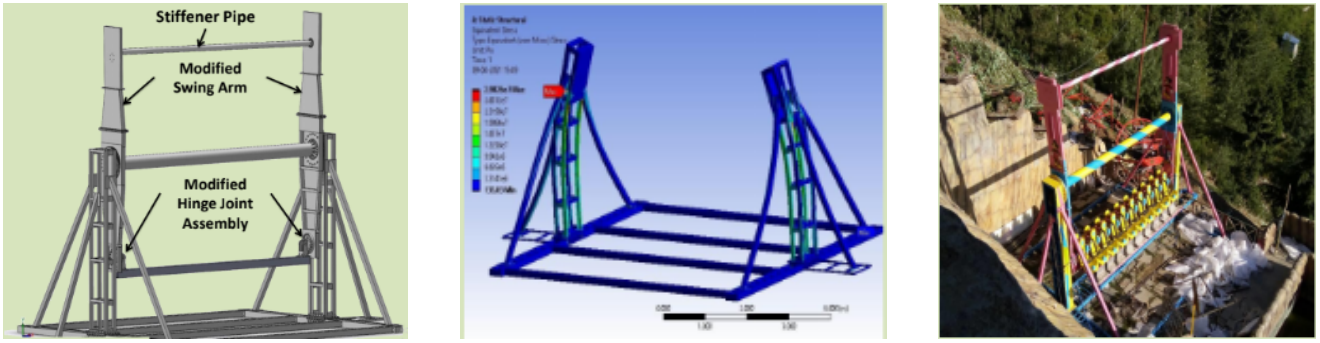


Fig. 1 Modeling, analysis and fabrication of Top spin ride use in the amusement park. (The project was done by the student's group Patel Jay Indravadanbhai (18PE309), Bhandarkar Parth Sanjaybhai (18PE305) and Bhavsar Yashkumar Jagdishchandra (17PE017))

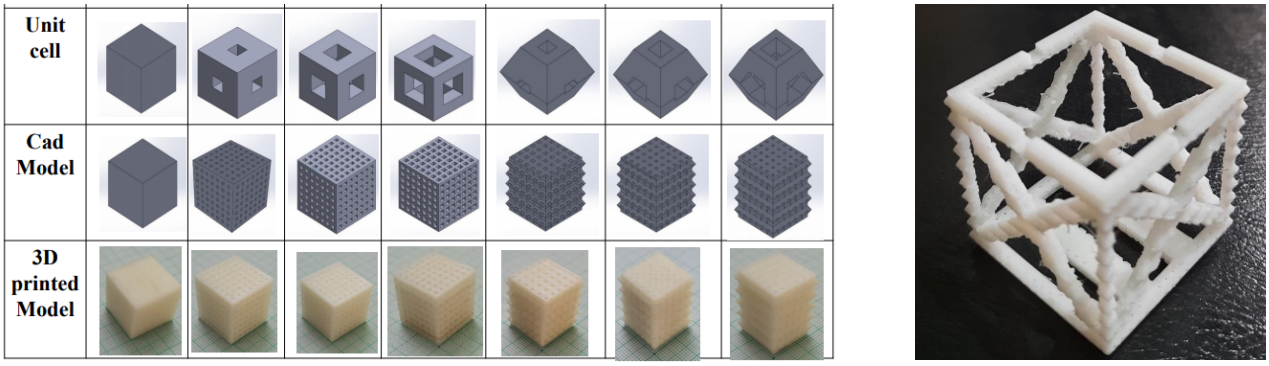


Fig. 2 3D printed micro-satellite frame using polymer based topologically ordered open-cell porous foam (The project was done by the student's group Prajapati Piyush Jagdishbhai (17PE012), Malav Patel (17PE013) and Rathod Chiragkumar Ramubhai (17PE011))

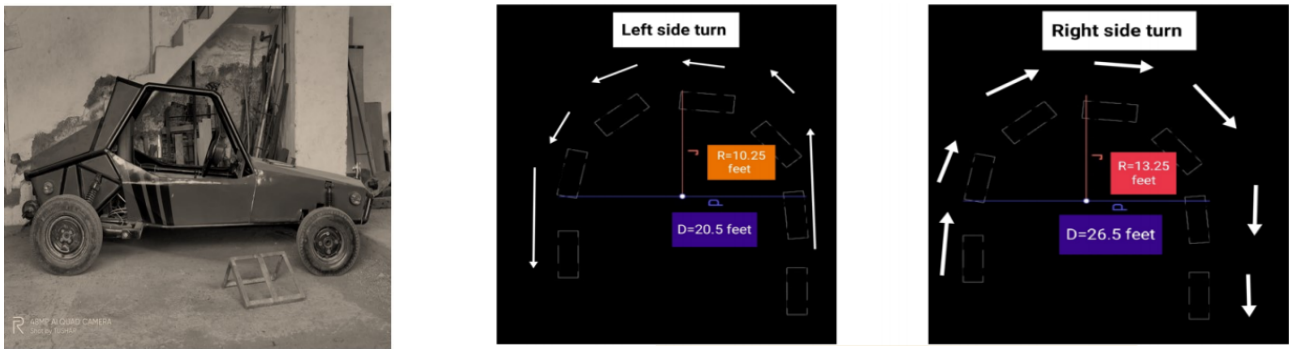


Fig. 3 Pre-assembled ATV made from scrap and its tie rod adjustment for correction in turning radius (The project was done by the student's group Tushar Rathod (17PE003), Keyurkumar Panchal (17PE407), Chintankumar Ahir (17PE415) and Jignesh Makwana (16PE413))

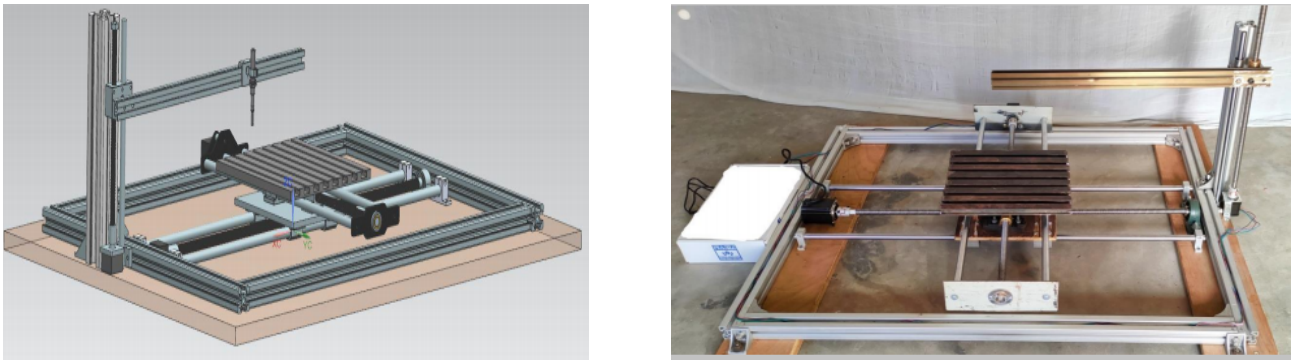


Fig. 4 Modeling and fabrication of fixture for automatic torch movement in arc welding (The project was done by the student's group Rushi Joshi (18PE307), Akshar Patel (18PE302) and Mayank Sathiya (18PE301))

Fig. 5 Design of a filling system of dry powder in plastic bags and conveyor system for the f-60 drying plant
(The project was done by the student's group Jashmin Vaishnav (17PE028), Rushabh Vora (17PE404) and Jaimin Domadiya (18PE303))

Fig. 6 Design and development of deshelling machine to obtain coconut fruit.
(The project was done by the student's group Gandhi Shilp (17PE416), Kashyap Thacker (17PE418) Pritul Makadia (17PE421))

Fig. 7 Thermal simulation and processing of gears using investment casting and 3D printing technology

(The project was done by the student's group Patel Roshankumar Prakashbhai (17PE002), Makani Ram (17PE413) and Talaviya Tejendrakumar Nareshbhai (17PE405))

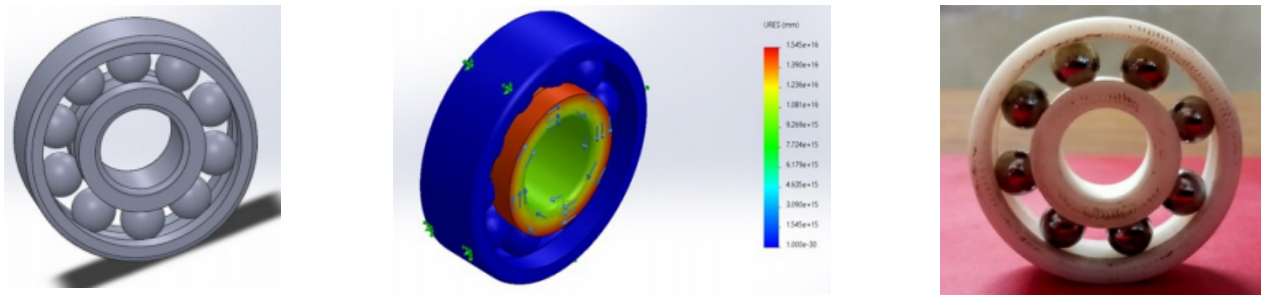


Fig. 8 Modeling, analysis and fabrication of polymer-ceramic composite 3D printed Ball Bearing

(The project was done by the student's group Saurabh Kumar Panday (17PE007), Nikhil Sureshbhai Patil (17PE015) and Shubham Tribhovan Chavda (17PE419))

બીવીએમમાં પ્રોજેક્ટ એક્ષ્પોના વિજેતા વિદ્યાર્થીઓનો ઇનામ વિતરણ સમારોહ યોજાયો

આણંદ, તા. ૨૫

ઈન્ડસ્ટ્રી ઈન્સ્ટિટ્યૂટ ઈન્ટરેક્શન સેલ તથા બી.વી.એમ એલ્મની એસોસિએશન અંતર્ગત પ્રોજેક્ટ એક્ષ્પો-૨૦૨૧ તથા તેના વિજેતા વિદ્યાર્થીઓનો ઇનામ વિતરણ સમારોહ યોજાયો હતો.

જેમાં મુખ્ય અતિથિ તરીકે ગૌતમ પટેલ (બિઝનેસ મેન,યુ.એસ.એ).ડૉ.ઈંદ્રજિત એન.પટેલ (પ્રિન્સિપાલ, બી.વી.એમ), એન્જીનિયર પ્રદીપભાઈ પટેલ(માનદમંત્રી, બીવીએમ એલ્મની એસોસિએશન), ડૉ. એલ. બી. ઝાલા(હેડ,સિવિલ એન્જી તથા ડીન,III સેલ), પ્રો.અમિત ભાવસાર (એસોસિએટ ડીન,III સેલ તથા ઈવેન્ટ કોર્ડીનેટર), ડૉ. આર. પી. મહેતા (હેડ, ઈલેક્ટ્રિકલ એન્જી), ડૉ. ઝંખના શાહ, પ્રો ધારિતા પટેલ ઉપસ્થિત રહ્યા હતા. ડૉ.આર.પી.મહેતા એ સૌનું અભિવાદન કર્યું હતું તથા ઉપસ્થિત અતિથિ નો પરિચય આપ્યો હતો. ડૉ. એલ. બી. ઝાલા એ III સેલ અંતર્ગત પ્રવૃતિઓ વિષે માહિતી આપી હતી.

બિરલા વિશ્વકર્મા મહાવિદ્યાલય ખાતે પ્રોજેક્ટ એક્ષ્પો-2021 તથા તેના વિજેતા વિદ્યાર્થીઓ નો ઇનામ વિતરણ સમારોહ યોજાયો.

ચારુતર વિદ્યામંડળ સંચાલિત બિરલા વિશ્વકર્મા મહાવિદ્યાલય ખાતે ચારુતર વિદ્યામંડળ ના અધ્યક્ષ એન્જીનીયર ભીખુભાઇ પટેલ ના વડપણ અને માર્ગદર્ગન હેઠળ ઇન્ડસ્ટ્રી ઇન્સ્ટિટ્યૂટ ઈન્ટરેક્શન સેલ તથા બી.વી.એમ એલ્મની એસોસિએશન અંતર્ગત પ્રોજેક્ટ એક્ષ્પો-2021 તથા તેના વિજેતા વિદ્યાર્થીઓ નો ઇનામ વિતરણ સમારોહ યોજાયો.જેમાં મુખ્ય અતિથિ તરીકે શ્રી ગૌતમ પટેલ (બિઝનેસ મેન,યુ.એસ.એ).ડૉ.ઈંદ્રજિત એન.પટેલ(પ્રિન્સિપાલ,બી.વી.એમ),એન્જીનીયર પ્રદીપભાઈ પટેલ(માનદ મંત્રી,બીવીએમ એલ્મની એસોસિએશન),ડૉ.એલ.બી.ઝાલા(હેડ,સિવિલ એન્જી તથા ડીન,III સેલ),પ્રો.અમિત ભાવસાર (એસોસિએટ ડીન,III સેલ તથા ઇવેન્ટ કોર્ડીનેટર),ડૉ.આર.પી.મહેતા (હેડ,ઇલેક્ટ્રિકલ એન્જી),ડૉ.ઝંખના શાહ,પ્રો ધારિતા પટેલ ઉપસ્થિત રહ્યા હતા.

ડૉ.આર.પી.મહેતા એ સૌનું અભિવાદન કર્યું હતું તથા ઉપસ્થિત અતિથિ નો પરિચય આપ્યો હતો.ડૉ.એલ.બી.ઝાલા એ III સેલ અંતર્ગત પ્રવૃતિઓ વિષે માહિતી આપી હતી.એન્જીનીયર પ્રદીપભાઈ પટેલે બી.વી.એમ એલ્મની એસોસિએશન અંતર્ગત પ્રવૃતિઓ વિષે માહિતી આપી હતી.પ્રો અમિત ભાવસારે જણાવ્યું હતું કે પ્રોજેક્ટ એક્ષ્પો-2021 માં દરેક બ્રાન્ચ માંથી કુલ 224 પ્રોજેક્ટસ એક્ઝિબીટ થયા હતા જેમાં થી 97 ઇન્ડસ્ટ્રી ડીફાઇંડ પ્રોજેક્ટ તથા 127 યુઝર ડીફાઇંડ પ્રોજેક્ટ નો સમાવેશ થયો હતો તેમાંથી ઇન્ડસ્ટ્રીઅલ એક્ષ્પર્ટસ દ્વારા 148 પ્રોજેક્ટ પસન્દગી પામ્યા હતા.

આ પ્રસંગે સંસ્થા ના પ્રિન્સિપાલ ડૉ.ઈંદ્રજિત એન.પટેલે સૌનું અભિવાદન કર્યું હતું તથા જણાવ્યું હતું કે ઇન્ડસ્ટ્રી તથા ઇન્સ્ટિટ્યૂટ વચ્ચે ની ગેપ ઘટાડવા માટે તથા વિદ્યાર્થીઓ ને ટેક્નિકલ સ્કિલ્સ માટે પ્રોજેક્ટ એક્ષ્પો પ્લેટફોર્મ પૂરું પાડે છે.સતત 9 માં વર્ષે યોજાતી આ ઇવેન્ટ માં 7 માં તથા 8 માં સેમિસ્ટર ના વિદ્યાર્થીઓ વર્કિંગ મોડલ,પ્રોટોટાઇપ,સિમ્યુલેશન રિઝલ્ટ તથા એનાલિસિસ તૈયાર કરે છે જે તેમને ઇન્ટનેશનલ જર્નલ્સ તથા કોન્ફરન્સ માં રિસર્ચ પેપર પબ્લિકેશન,પેટન્ટ્સ તથા અલગ સ્ટાર્ટ અપ વેન્ચર માટે મદદરૂપ નીવડે છે.સ્ટાર્ટ અપ તથા ઇનોવેશન માટે બી.વી.એમ SSIP સેલ વિદ્યાર્થીઓ ને જરૂરી ફંડિંગ પૂરું પાડે છે.

અત્રે ઉલ્લેખનીય છે કે ઉપરોક્ત પ્રોજેક્ટ એક્ષ્પો-2021 માં સિવિલ એન્જી માં 3D પ્રિન્ટિંગ બેઝડ માસ કન્સ્ટ્રક્શન એન્ડ એનાલિસીસ,ઇલેક્ટ્રિકલ એન્જી. માં પ્રાયમરી કંટ્રોલ ફોર DC માઈક્રો-ગ્રીડ તથા મલ્ટી પેરામીટર એસેસમેન્ટ ફોર સોલાર રેડિએશન ,મિકેનિકલ એન્જી.માં એક્સપેરિમેન્ટલ થર્મલ એનાલિસિસ ઓફ ફેઝ ચેન્જ મટીરીયલ ઈન ડોમેસ્ટિક રેફ્રિજરેટર તથા ફ્રિક્શન સ્ટિર વેલ્ડિંગ ફોર એલ્યુનીમિયમ એલોય,પ્રોડક્શન એન્જી.માં ટોપ સ્પિન રાઈડ યુસીંગ ફાઇનાઇટ એલિમેન્ટ મેથડ,કોમ્પ્યુટર એન્જી માં ફોટોઈનપેઇન્ટિંગ વિથ GAN તથા સોસાયટી મેનેજમેન્ટ સિસ્ટમ,ઇલેક્ટ્રોનિક્સ એન્જી.માં રોબોટિક આર્મ તથા IOT બેઝડ સ્માર્ટ ઇન્ડસ્ટ્રી,આઇ.ટી એન્જી માં ઇમેજ અપસ્કેલિંગ તથા લાઈવ 3D સિમ્યુલેશન ફોર ડેમોસ્ટ્રેશન ઓફ સિક્યુરિટી સિસ્ટમ ને વિજેતા જાહેર કરવામાં આવ્યા હતા. દરેક પ્રોજકેટસ નું મૂલ્યાંકન જેતે ઇન્ડસ્ટ્રી માંથી આવેલા તજજ્ઞો દ્વારા કરવામાં આવ્યું હતું.ઉપસ્થિત મહાનુભાવો દ્વારા "વિશ્વકર્મા મેગેઝીન 2021" લોન્ચ કરવામાં આવ્યું હતું.

આ પ્રસંગે એન્જીનીયર ગૌતમ પટેલે સૌને અભિનંદન પાઠવ્યા હતા તથા ઇન્ડસ્ટ્રીઅલ ચેલેન્જીસ તથા એક્સપોઝર વિષે માહિતી આપી હતી તથા બીવીએમ એલ્મની એસોસિએશન દ્વારા વિદ્યાર્થીઓ ને મળતા સપોર્ટ

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ની પ્રશંશા કરી હતી.તેમણે બી.વી.એમ ની સિલ્વર જ્યુબિલી તથા ગોલ્ડન જ્યુબિલી સેલિબ્રેશન ના સંસ્મરણો વાગોળ્યા હતા તથા પ્લેટિનમ જ્યુબિલી સેલિબ્રેશન વર્ષ 2022-23 માં તેઓ સહભાગી બનશે તેમ જણાવ્યું હતું.તેમણે વિદ્યાર્થીઓ ને રીઅલ વર્લ્ડ ચેલેન્જીસ એન્ડ ઓપોર્ચ્યુનિટીઝ વિષે રસપ્રદ માહિતી આપી હતી.

સમગ્ર કાર્યક્રમ નું સંચાલન પ્રો.અમિત ભાવસાર તથા ડૉ.ઝંખના શાહ અને પ્રો.ધારિતા પટેલે કર્યું હતું.અંતે ડૉ.અક્ષય પંડ્યા એ સૌનો આભાર વ્યક્ત કર્યો હતો.ઉપરોક્ત ઇવેન્ટ ની સફળતા માટે ચારુતર વિદ્યામંડળ ના અધ્યક્ષ એન્જીનીયર ભીખુભાઇ પટેલ તથા અન્ય હોદ્દેદારો એ શુભેચ્છા વ્યક્ત કરી હતી.

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BIRLA VISHVAKARMA MAHAVIDYALAYA

Industry Institute Interaction (III) Cell

Project Expo -2019

National Project Implementation Unit

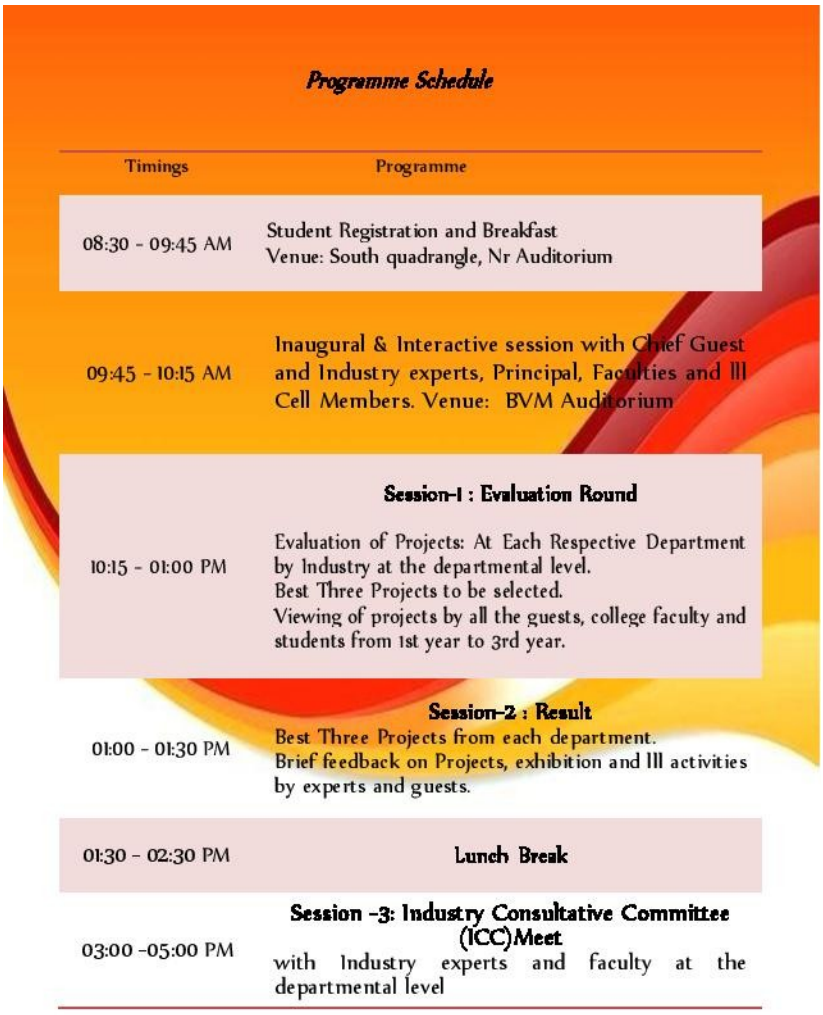
Sponsored by

TEQIP-III, SSIP and BVM Alumni Association

Event Date: 08/04/2019

Project Expo -2019 was organized on 08-04-2018 in total eight departments of BVM comprising of final year B.E. (Civil, Computer, Electrical, Electronics, Electronics and Communication, Information Technology, Mechanical and Production Engineering) students.

The inauguration and schedule of the event for the whole day is mentioned as below.



Programme Schedule

Timings	Programme
08:30 - 09:45 AM	Student Registration and Breakfast Venue: South quadrangle, Nr Auditorium
09:45 - 10:15 AM	Inaugural & Interactive session with Chief Guest and Industry experts, Principal, Faculties and III Cell Members. Venue: BVM Auditorium
10:15 - 01:00 PM	**Session-1 : Evaluation Round** Evaluation of Projects: At Each Respective Department by Industry at the departmental level. Best Three Projects to be selected. Viewing of projects by all the guests, college faculty and students from 1st year to 3rd year.
01:00 - 01:30 PM	**Session-2 : Result** Best Three Projects from each department. Brief feedback on Projects, exhibition and III activities by experts and guests.
01:30 - 02:30 PM	**Lunch Break**
03:00 -05:00 PM	**Session -3: Industry Consultative Committee (ICC) Meet** with Industry experts and faculty at the departmental level

The excerpts of the speech by the dignitaries on the dais is as follows:

Welcome Address: Principal Dr. I. N. Patel welcomed the dignitaries, jury members from Industry for Project Expo-2019, Industrial experts for Industry Consultative Committee Departmental Meet, the faculty members and the students. He conveyed to the students that they should continue further development of their Project through the financial support from SSIP at BVM. He explained the role of TEQIP-III, SSIP, BVM alumni Association in organizing of this Project Expo.

Speech by Guest of Honour: Shri Harshad Mehta, President, Vithal Udyognagar Industries association (VUIA) explained his own journey from college days and weak economic background to becoming entrepreneur and climbing the ladder of success in it through hard work and struggle. He explained the importance of projects in developing the innovation and entrepreneurship skills.

Speech by Chief Guest: Dr. Harshul Parekh, MD, Facile Maven Pvt. Ltd., Surat expressed thanks for invitation. He remembered his days of study from 1984 to 1988 at BVM in Civil engineering Branch. He conveyed to the students about the quality of knowledge and exposure provided at BVM. He emphasized on acquiring skills and be prepared for team-work and collaborations to the students to succeed in Industry.

Speech by President of the Event: Shri Manishbhai Patel, President could not attend the event due to unavoidable circumstances. Dr. S. G. Patel, Honorary Joint Secretary, CVM was invited as a Presindent of the event in his absence. He expressed satisfaction about the preparation and performance of the students of BVM for Project Expo-2019. He explained the importance of interaction with Industry for Innovation and entrepreneurship.

Vote of Thanks: Dr. L. B. Zala, Dean, III expressed vote of thanks for participating and attending the event to all the Guests, Industrial Jury members, faculty members, students and organizing team of Project Coordinators, Associate Deans (III) – Prof. A. N. Bhavsar, Dr. R. P. Mehta, and Training and Placement Officers - Prof. Mehul Shah and Prof. Mehul Patel, Anchor Person – Prof. Deepa Sinha, T & P and III Committee members, Student TPC volunteers, Press-Media and all those who have helped directly or indirectly.

The glimpses of the Inauguration function in LRUC Hall are as follows:

The reports of Project Expo for various departments are as follows:

1) CIVIL & STRUCTURAL ENGINEERING DEPARMENTS

The Project Poster Presentation was arranged at D-201 for Civil & Structure Engineering Department on 8th April, 2019 in which the students of the final year Civil Engineering 8th semester had presented their IDP/UDP project work.

There were total 33 groups of Civil & Structural Engineering department.

The poster presentation event started around 10:30 AM after the completion of the inaugural function which was held at BVM Auditorium.

There were 4 jury members, Mr. Chirag Patel (Horizone Consulting Engineers & Valuers , Anand) , Taher Tinwala (EZ Engrs. Pvt. Ltd, Baroda), Shah Jatin (Priti Associates, Consulting Engrs. in Food Industries, Baroda) and Harsh Jani (Sai Consulting Engrs. Pvt. Ltd. , Ahmedabad) (Systra).

Students group presenting their poster to jury members at D -201

All the students had presented their posters efficiently in given time slot and each group had defended the questions posed by jury members. Finally the best 3 groups were selected out of all. The winner group's details are as follows:

Sr. No.	Project Group ID	Project Title	Student Name	Id No.	**Rank**
1	25	Analysis and design of hybrid structures.	Shivam Shah	15CE086	**1**
			Satish Savani	15CE087	
			Fatema Barodawala	15CE111	
			Kavan Mistry	15CE115	
			Garasiya Savan	16CE303	
2	4	Improvement Techniques to Improve Productivity and	Parmar Rushit J.	15CE091	**2**
			Bhadaniya Darshan D.	16CE316	
			Prajapati Jay R.	16CE318	

		quality of brickwork at construction sites.	Patel Manan D.	16CE321	
			Rami Shubham K.	16CE322	
3	9	Experimental study on improvement of properties of concrete for rigid pavement design.	Shaaqib Mansuri	15CE206	**3**
			Chandni Patel	16CE301	
			Yash Shah	16CE302	
			Renuka Goswami	16CE306	
4	22	Experimental Study to Understand Seismic Behavior of Structure.	Dipak chavda	15CE024	
			Prince doshi	15CE029	
			Charmi shah	15CE055	
			Dhruvi shah	15CE066	
			Nisarg shah	15CE075	

The Jury members had really appreciated the efforts of all the students and the project team members for making this event a grand success. Finally the programme ended around 1:30 PM with presenting mementos to the invited jury members followed by lunch.

2) Computer Engineering Department

o Profile of **Experts**

- Isha Bhatt, Sr. Technical Leader @ Einfochip. 13 years of experience in quality assurance & automation of IoT devices and software.
- Dubal Hardik, Director & Cofounder of Timeloop Technologies Private Limited. 10 years of experience in management of game development projects.
- Urmik Shah, Project Manager @ System level Solution Private Limited.

Project Expo Winners

1st: VOICE CONTROLLED HOME AUTOMATION

In recent years, the field of Internet of Things has seen significant investments made by the research
community and the industry. This project presents the design of the low cost voice recognition based
home automation system for everyone and especially for differently abled people to control the various
home appliances just by the voice commands according to their need and comfort. Our focus is on making non-smart homes smart and how to build a robust, cost-effective system that can be widely used. System uses Amazon Echo for recognizing user request. A Raspberry Pi is used as the hardware component for providing smart features for non-smart homes. Objective of developing this model is to create a home automation system which interacts with the user through various voice commands based on concerned parameters which is also eco-friendly.

2nd: DRIVER BEHAVIOUR ANALYSIS USING COMPUTER VISION

Car drivers go through many changes in behavior while driving. Traffic might frustrate them or tiredness might make them drowsy. It is imperative that their behavior be analyzed to prevent accidents. The best way to detect a driver's behavior is through his/her face. Since driving can lead to changes in lighting, pose and occlusion of the face, it becomes necessary to develop a model that can accurately detect face, landmarks, and pose in real-time despite these challenges. We develop a multitask learning CNN for this purpose. Our multitask learning CNN predicts 5 things (face/no face, 21 landmark points, visibility of those landmark points, face pose, and gender). This architecture is known as the hyperface architecture. This proves to be more robust to changes in lighting, pose and occlusion when compared to open source available models (like the dlib face detector). Along with accuracy, the basic requirement for a model that is to be used in connected vehicles is that it should work in real-time. Since the vanilla implementation of the hyperface architecture uses Selective search algorithm for region proposals which takes seconds to execute even on GPUs, this makes it a bottleneck. We replace this algorithm with a SSD based face detector to bring down the time into a few milliseconds on CPUs, thus making real-time usage of this model a possibility. The output of this model is fed to the next step in the pipeline which involves using the landmarks developed in this module to detect drowsiness (eye open/close, yawning, distracted) and stress.

3rd: CAR SEAT PARTS IDENTIFICATION

We try to develop a Deep Learning powered system for fault-detection & localization in manufactured car-seats for Quality Assurance using multiple-view images taken on the factory floor. Localization must be in terms of seat part and not in terms of image-pixels. Hence, we first be able to accurately crop-out the different parts of a seat viz. Head-rest, Back-rest using appropriate views. Once, these individual parts are segmented out, we train CNN classifiers to determine whether the individual part is faulty. It has been shown that U-Net-like architectures can reach 90+% pixel-by-pixel classification accuracy to differentiate an instance from background. In this project, we try to train a U-Net- like architecture (more generally: an Auto-encoder) to obtain masks corresponding to different parts of a seat at once. After extracting individual seat-parts, we determine whether they are faulty.

- I visited BVM after long time and was also one of the student of BVM engineering college. Projects were presented with new latest technology and also students have shown a great effort towards it.

- Isha Bhatt
(Sr. Technical Leader @ Einfochip)

- The projects were innovative and variety of emerging technologies were used. Students were really dedicated towards their project.

- Dubal Hardik
(Director & Cofounder of Timeloop Technologies Private Limited)

- Students had in depth knowledge about their specific domains. The projects were developed with proper understanding of usecase and requirements which can be useful to the society.

-Urmik Shah
(Project Manager @ System Level Solution Private Limited)

Mr. Urmik Shah being honoured by Dr. N. M. Patel

1st winner of Project Expo

3) Electronics and Communication Department:

The project poster presentation event organized by the department of Electronics and Communication of BVM engineering college on 08th April 2019 at BVM Engineering College. Dr. Bhargav C. Goradiya is the convener of the event and Dr. Darshankumar C. Dalwadi and Prof. Anish A. Vahora is the coordinator of the event. The expert from the various industries judge the project expo event and based on that best 3 posters are selected out of total 26 posters**(18 UDP and 08 IDP, Total 38 Students)**. Following students are awarded for prizes and certificates in the project posterpresentation event which is conducted on 08th April 2019 at EC department of BVM Engineering College, V. V. Nagar.

SR NO.	GROUP NO.	RANK	TITLE OF THE POSTER	NAME OF THE STUDENTS	ID NO.
1	19	First	VOIP Based College Connectivity Model	Ronit Rout	15ET036
2	04	Second	Smart Waste Management System Using IOT	Nidhi Panchal	15ET010
				RajorshiMajumder	15ET017
	18		Glasses for Blind People	Khilan Pandya	15ET019
3	23	Third	Design and Implementation of 3D Printer Via Solid Works	ShubhMajumdarr	15ET028
	08		Face Recognition Based Attendance System Using RF Communication	Niralee Bhatt	15ET026

DETAILS OF JURY MEMBERS

NAME OF JURY	DESIGNATION	NAME OF COMPANY
Mr.Krunal Patel	Project Manager	SLS Corporation PVT LTD, V.U.Nagar
Mr.Dhaval Shah	Director	Omni Sense Technologies PVT LTD, Vadodara
Mr.Chintan Patel	Technical Engineer	Rhino Machines PVT LTD, V.U.Nagar

EVENT PHOTOGRAPHS

SECOND FLOOR
CLASS ROOM
STAFF CABIN
SEMINAR HALL
WORKSHOP LAB
COMPUTER LAB
DEPT. LIBRARY
DIGITAL CIRCUIT LAB
INDUSTRIAL ELECTRONICS LAB
BASIC ELECTRONICS LAB
STAFF CABIN
MICROWAVE LAB

R

Date : 08/04/2019					
Sr. No.	**Project Group ID**	**Project Title**	**Student Name**	**ID No.**	**Rank**
1	19	VOIP Based College Connectivity Model	Ronit Rout	15ET036	1st
2	18	Smart Waste Management System using IOT	Nidhi Panchal	15ET010	2nd
			Rajorshi Majumder	15ET017	
	4	Glasses for blind people	Khilan Pandya	15ET019	
3	23	Design and Implementation of 3D Printer via Solid works	Shubh Majumdarr	15ET028	3rd
	8	Face Recognition Based Attendance System Using RF Communication	Niralee Bhatt	15ET026	

4) Electrical Engineering Department

The Project Poster Fair for 8th semester students was organized on Monday8th April, 2019 in Electrical Engineering Department as a part of INDUSTRY INSTITUE INTERACTION CELL activity for IDP/UDP projects.

The Students of 8th semester prepared and displayed the posters of their final year project work. The working Models of the projects were demonstrated in working condition of majority of the projects undertaken by the students. Two Experts from Industry were invited as Industrial Expert for Evaluation of the projects. The details of the experts are as below:

1 Er. Tarang Thakkar Director, Ohm Encon PVT ltd, Vadodara.

2 Er. Ambrish Gandhi, Validation Leader. M V , R & D , Schneider Electric ltd, Vadodara-Halol

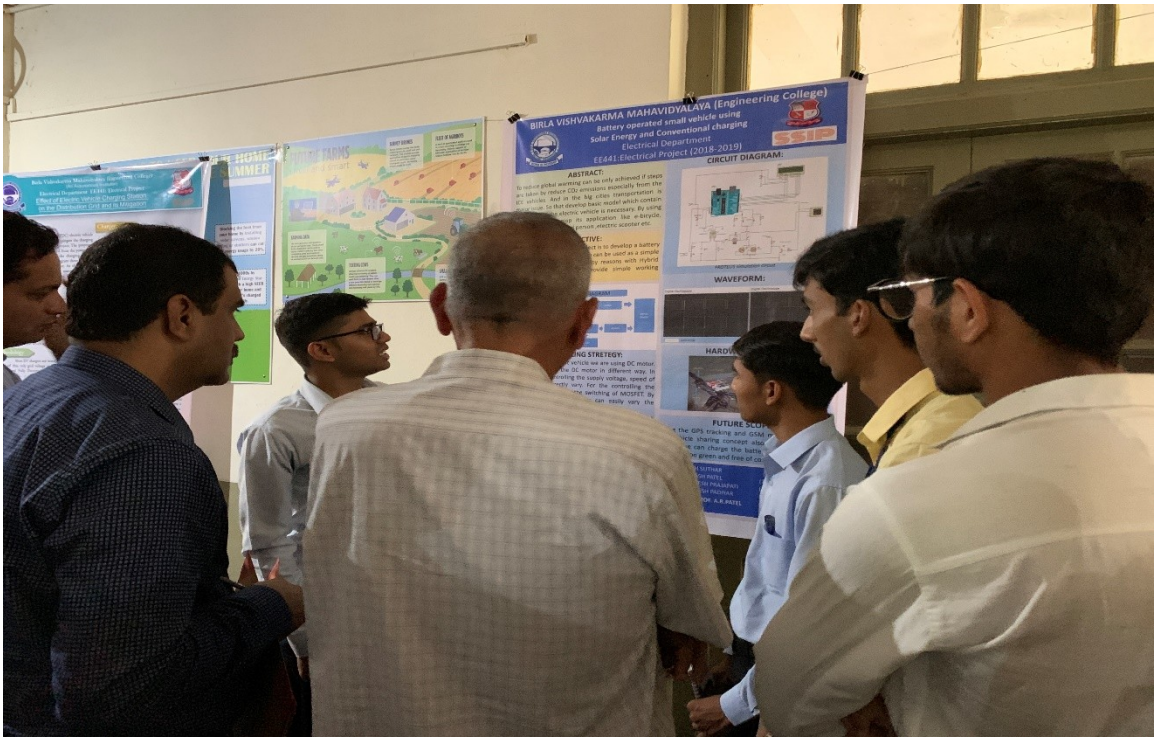
Highway, Vadodara.

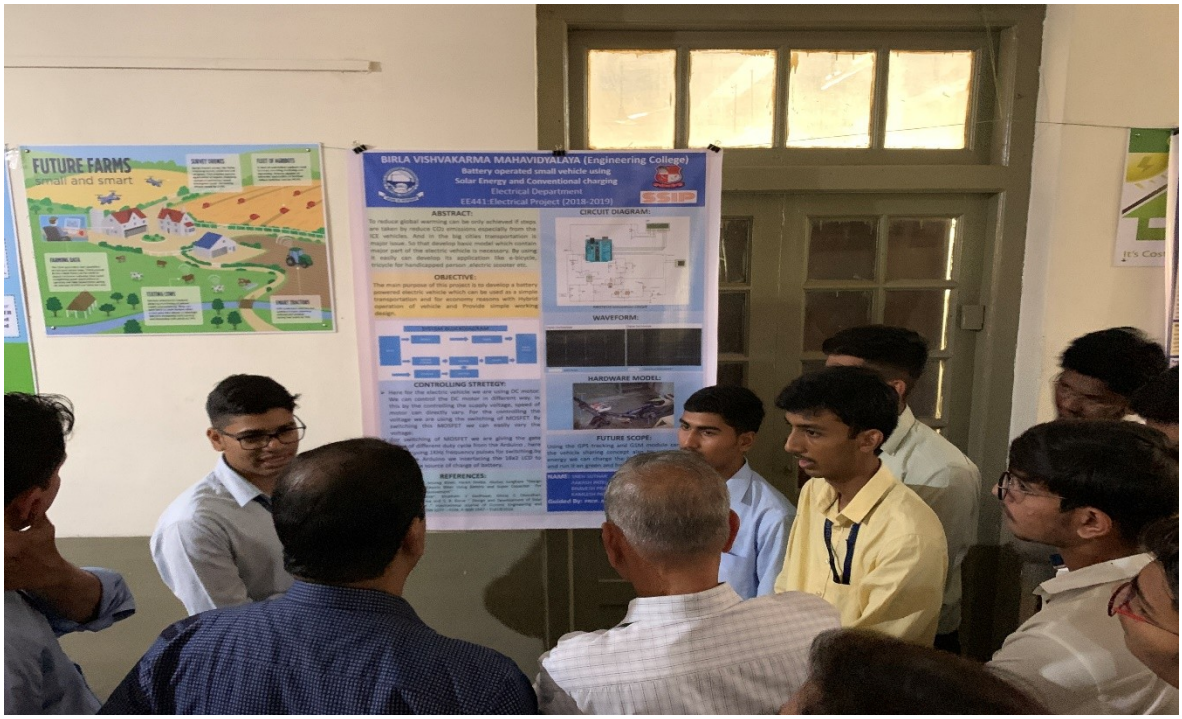
Twenty-one(21) projects(20UDP and 1 IDP) were presented by the 78 students in front of the Industrial Experts and Departmental ExpertAjay Patel. Based on the Evaluation of the Experts the best three projects were selected for awarding first second and third price and appreciation.

The selected projects are:

Position Secured	Group No.	IDP/UDP Title	Name of the students in the Group	Enrollment No.
First	19	GSM Based Solar Power Measurements and Monitoring with Sun tracking Solar Panel	Deep Vaghasiya	15EE008
			Nikesh Prajapati	15EE203
			Dharmik Pansuriya	16EE312
			Kalpesh Rathod	16EE313
Second	21	Development of Industrial Training modules in power system and VFTOs in GIS : Causes and Mitigation	Divya J Bhatt	15EE041
Third	12	Software and Hardware Implementation of Distance Protection	Pankaj P savani	15EE013
			Aditya N Danayak	15EE039
			Mitul R Munjani	15EE053
			Khushbu P Chandarana	15EE055

PROJECT
LABORATORY
A-124


BIRLA VISHVAKARMA MAHAVIDYALAYA (Engineering College)
Battery operated small vehicle using
Solar Energy and Conventional charging
Electrical Department
EE441:Electrical Project (2018-2019)
SSIP
ABSTRACT:
CIRCUIT DIAGRAM:
WAVEFORM:



The best three projects selected will be awarded price. After the completion of the Project Expo, one of the Expert joined for the ICC meet in the post lunch session.

5) Electronics Engineering Department

The project expo event organized by the department of Electronics engineering of BVM engineering college on 8th April 2019 at the BVM Engineering College. Dr. T D Pawar is the convener of the event and Dr D L Vala is the coordinator of the event. The expert from the various industries judges the poster event and based on that best 3 projects are selected out of the total 34 projects. following students are selected best three projects in the project expo event.

Sr. No.	Project Group ID	Project Title	Student Name	Enrollment No.	Rank
1	26	Wearable Smart Jacket (Sixth Sense)	Arth Shah	15El045	1
			Chirag Thakar	15El051	
			Mudit Batra	15El073	
2	24	Voice Integration in Home	Akash Patel	15EL068	2
			Jay Vora	15EL075	

3	6	Automation Aphonic gesture translator	Gaurav Gautam	15EL064	3
			Shivani Singh	15EL048	

DETAILS OF JURY MEMBERS

Sr. No.	NAME OF JURY	DESIGNATION	NAME OF COMPANY/INSTITUTE
1.	Mr. Bhaskar Trivedi	Sr. Diorector	PerfectVip , Ahmedabad
2.	Mr. Hiral Patadiya	Project Manager	SLS,New Vallabh Vidyanagar
3.	Mr. Ramesh Devani	Technical Manager	Einfochips, Ahmedabad

6) Information Technology Department:

The Project Expo-2019 event organized by the department of Information Technology of BVM engineering college on 8thApril 2019at BVM Engineering College. Dr.Zankhana Shah and Prof.Chintan Mahant were coordinators of the event. The expert from the various industries judge the event and based on that best 3 posters were selected out of total 29 posters **(14 Minor Projects +15 Major Projects= Total 29 Groups (70Students)**.

Following students were awarded for prizes and certificates in the Project Expo-2019 event which was conducted on 8th April 2019 at IT department of BVM Engineering College, V. V. Nagar.

Dept	**Total No. of IDP/UDP groups**		**No.of Project**	**Experts from Industry**	**Winner Details**		
IT	Minor Project: 14	Major Project: 15	29	Mr. Karan Shah (Director, Solute TechnoLab LLP, Ahmedabad)	1st	"Home Automation using Alexa"	Brijesh Lakkad (15IT051)
				Mr. Sohil Shah (Managing Director, Adrixus, Vadodara)	2nd	"Anti Smokify: Smoking detection in movies"	Neel Patel(15IT058) Jaynil Patel (15IT070)
				Mr. Tarun Prajapati (Senior Software Engineer, Advanced	3rd	"i-builder"	Karan Patel (15IT002) Darshit Rupapura(15IT003) Chintan Patel (15IT026)

				Business and Healthcare Solutions India Pvt. Ltd, Vadodara)			Pathik Patel (16IT605) Hardik Shah (16IT608) Jayesh Chawla (16IT609)

DETAILS OF JURY MEMBERS

NAME OF JURY	DESIGNATION	NAME OF COMPANY
Mr. Karan Shah	Director	Solute TechnoLab LLP, Ahmedabad
Mr. Sohil Shah	Managing Director	Adrixus, Vadodara
Mr. Tarun Prajapati	Senior Software Engineer	Advanced Business and Healthcare Solutions India Pvt. Ltd, Vadodara

EVENT PHOTOGRAPHS

7) Mechanical Engineering Department:

Project Coordinator Name: **Prof. J P Hadiya**

Sr. No.	No. of Group		No. of project	Academic Experts	Experts from Industry
	Major	Minor			

	Project	Project	posters		
1	07	35	42	1. Prof. J P Hadiya 2. Prof. H G Katariya	1. Er. Vraj Senjaliya, ELECON 2. Er. N G Pandya, ELECON 3. Er. Vishal Patel, EIMCO - Elecon 4. Er. Pankaj Ratanpara, L & T, Vadodara

Problem definition
Objectives
Methodology
16ME308
16ME320
16ME603
16ME606
PROF. KINJAL A.

BVM Engineering College

(An Autonomous Institution)

Project Expo Fair 2019

Mechanical Engineering Department

Result Sheet - Major Project

Date : 8/4/19

Sr. No.	Project Group ID	Project Title	Student Name	Enrollment No.	Rank
1	6	Overlay process improvement of Nub and Tray support ring for hydro-cracking reactor	Nikunj Lad	15ME013	First
			Patel Neel	15ME090	
2	1	Computer Added Design Synthesis and analysis of planetary reduction gear box for roller press used in cement industry	Parth M Shah	15ME045	Second
			Akshay Vala	15ME082	
3	7	Efficiency improvement in box furnace and local furnace used for intermediate stress relieving process	Shah Meghal	15ME516	Third
			Vora Darshil	15ME536	

BVM Engineering College

(An Autonomous Institution)

Project Expo Fair 2019

Mechanical Engineering Department

Result Sheet - Minor Project

Date :8/4/19

Sr. No.	Project Group ID	Project Title	Student Name	Enrollment No.	Rank
1	24	Thermoelectric Refrigerator	Rajpara Kishan D.	16ME308	First
			Gadhiya Keyur A.	16ME320	
			Matalia Yash P.	16ME603	
			Hadiya Mayur J.	16ME606	
2	9	To increase torque handling capacity of Continuously Variable Transmission (CVT)	Vala Shaktibhai	15ME070	Second
			Jadeja Dipsinh	15ME076	
			Patel Viralkumar	15ME079	
			Bhimani Dharak	15ME080	
3	3	Performance Analysis of phase change material based solar Scheffler	Patel Deep	15ME040	Third
			Khokhar Kishan	15ME042	
			Trapasiya Vishal	15ME048	
			Vaishnav Maulik	15ME086	

8) Production Engineering Department:

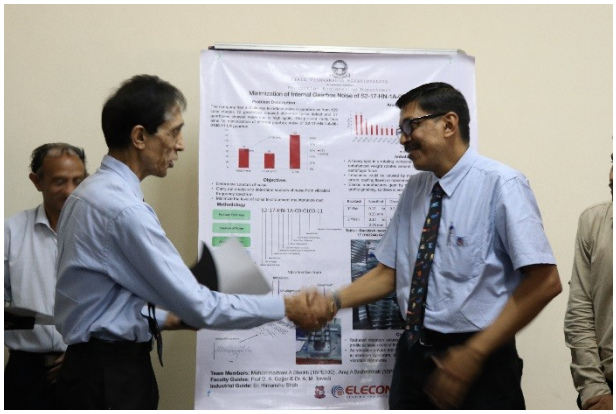
Industry Institute Interaction cell, BVM Engineering College with the support of all the faculty members and students of the College, have organized a PROJECT EXPO-2019 on April 8, 2019. The purpose of this event is to showcase the projects of all the Final Year B.Tech. students of all the disciplines of the Institute. The total of fifty five students of final Year B.Tech. students of Production Engineering Department had participated in the PROJECT EXPO-2019 as a part of INDUSTRY INSTITUE INTERACTION CELL activity and they showcased their 19 industry defined projects in the form of posters. This activity was coordinated by Dr Hardik Beravala under the guidance of Dr. Amit Trivedi. ErJayanta Mukhopadhyay, Vice President & Head R & D, Gear Division, Elecon Engg. Co. Ltd. and ErAmrut Patel, Technical Director, Steelfur Systems P. Ltd., Vadodara were appointed as jury members. Among them 3 projects were selected as best projects. The details of best three projects are mentioned below.

Poster Presentation Result Summary

SR. NO	ID NO.	NAME	FACULTY GUIDE	NAME OF PROJECT
1st PRIZE	16PE303	CHAVDA CHINTAN A.	DR. HARDIK BERAVALA	DESIGN OPTIMIZATION OF CAST-IRON BENCH CENTER USING THE FINITE ELEMENT ANALYSIS TECHNIQUE
	16PE310	SONI HARSHIL H.		
	16PE309	JASOLIYA MANTHAN S.		
2nd PRIZE	15PE530	SHAIKH MOHAMMADVASI A.	PROF. DHRUVESH GAJJAR	MINIMIZATION OF INTERNAL GEARBOX NOISE OF S2-17-HN-1A-00-0100-LR
	15PE519	BRAHMBHATT ANUJ A.		
3rd PRIZE	15PE004	PATEL VATSAL K.	DR. AMIT TRIVEDI	DETERMINATION OF OPTIMUM GRINDING ALLOWANCE IN GEARS FOR DIMENSIONAL VARIATION DURING HEAT TREATMENT
	15PE512	PATEL KRUTAGNA R.		
	15PE501	AKASH PATEL K.		

Students presenting their project work to the Jury members ErJayantaMukhopadhyayand ErAmrut Patel.

Jury announcing the winners in poster presentation for 1st prize (Left), 2nd and 3rd prize (Right).



Er. D M Patel, Director, ELECON Engg. Co. Ltd. distributing momento and certificates to

the Jury members Er JayantaMukhopadhyay (left) and ErAmrut Patel (right).

Dr. L. B. Zala	Dr. R. P. Mehta
Dean (III)	Associate Dean (III)

NPIU SPFU

INDUSTRY INSTITUTE INTERACTION CELL
BIRLA VISHVAKARMA MAHAVIDYALAYA

Engineering College
(An Autonomous Institution)
Managed by Charutar Vidya Mandal
Vallabh Vidyanagar

Project Expo – 2017

30th March, Thursday

Chief Guest
Er. J. S. Patel, CEO,
Elecon Engineering company Ltd.

Guest of Honor
Er. Jagdishbhai Patel,
Parkage Industry, Vitthal Udyognagar.

President
Er. V. M. Patel,
Hon. Jt. Secretary, CVM.

We the Ill (Industry Institute Interaction) committee and BVM Engineering College, Vallabh Vidyanagar, with the support of all the faculty members and students from the College, are organizing a PROJECT EXPO 2017. The purpose of this event is to showcase the projects of all the Final Year BE Students of all the disciplines of the BVM Engineering College.

III Cell,
BVM Engineering College

Dr. Indrajit Patel
Principle, BVM Engineering college

- **Experts**

- Raj Kothari, Carrier Coach
- Shreyansh Bhavsar, Collabera
- Dr. Varang Acharya, Sannibh Technology
- Nirmit Patel, Senior Tech, Infochip
- Mr. Suthar, Q&A Head Infochip

All the fourth-year students of the BVM engineering college were gathered in the auditorium on 30th March for 'Project Expo – 2017'. Then after lighting the lamp ceremony by our honorable chief guests. After that a small speech by our chief guests on significant of project expo.

- Memorable information:
  - Meet the unspoken needs by going the extra mile to discover what your client really wants but is afraid to ask for
  - When you think, you're done, let it sit on the shelf for a day. Then go back and make it even better.
  - Don't ask whether your client will like what you've done; ask yourself if *you* would purchase the product based on the advertising you've provided

Project Expo Winners

1st: STUDENT ACTIVITY ANALYZER

Student Activity Analyzer is an android application which will be used for day to day life, user first have to input their data as required in the application and it will present that data in an interesting manner. The data will be saved in our data base with the help of AWS (Amazon Web Services) and application will generate graphs for the better understanding. We will also provide the analysis of the data, which can be useful for the college and student to improve their performance better. Last module is the location tracking module which is for the college side only to track the location of the students, which can be used for auto attendance also. With the help of the location module we'll generate graphs to see how many students are present in the call out of total. The data will be anonyms so we'll not show any particular student data either we will show the total numbers.

2nd: HARAKA MAIL SERVER WITH AWS MICROSERVICE

Containerization of microservices to reduce the development as well as deployment time of microservices. HARAKA an Smtp mail server having Plugin architecture written in Node is framework interacts with Ldap (Lightweight Directory Access Protocol) to authenticate its users

which are entered as a part of Administrative User interface programmed in Java using JSP. We have used Docker as a containerization technology.

3rd: SMART FARM

Agriculture is mankind's oldest and still its most important economic activity, providing the food, feed, fiber, and fuel necessary for our survival. Plus, automation can play a significant role in increasing efficiency and reducing cost. On the other hand, one must know that India is the only country to use its 90% of fresh water for agriculture activities. So, based on these three facts, main motive of **Smart Farm** is to address the issue of farmers in agriculture activities by automating the irrigation process based on the environmental conditions like moisture, temperature, and light, and helping government body to gauge water usage by providing analysis of water usage. Thus, we can say Smart Farm is an IoT-based Irrigation Automation System.

- Never underestimate yourself, you will find the way to explore your interest in the field and perform the best.

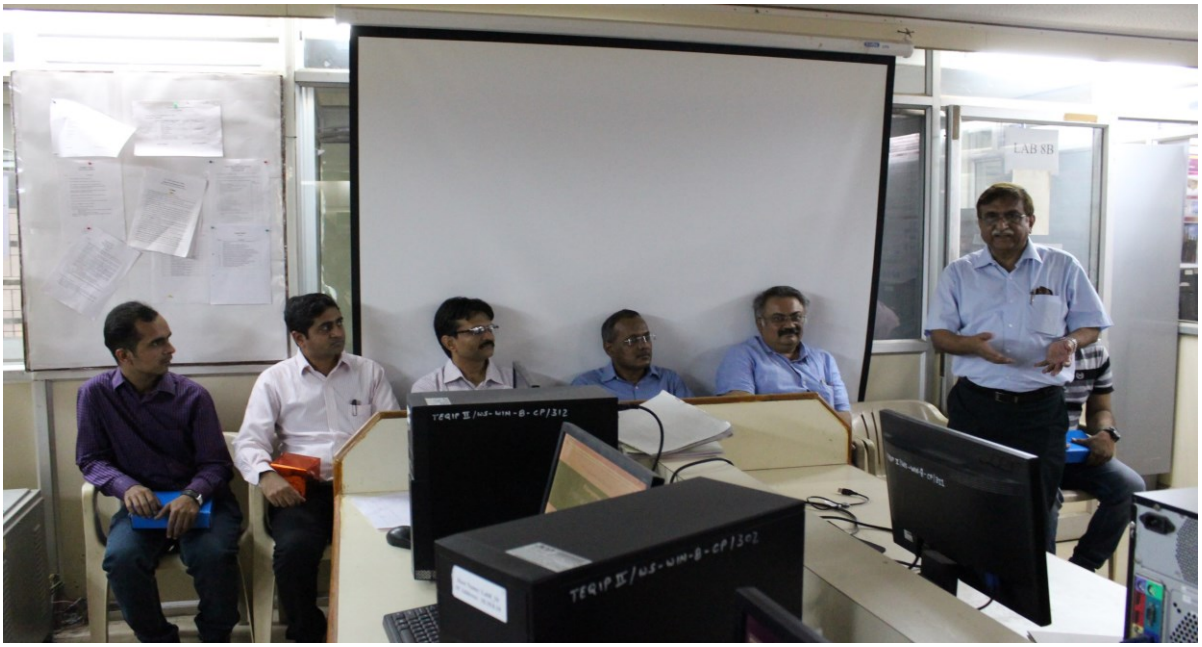
  - Raj Kothari
  (Carrier Coach)

- Always be updated with the new technologies while working on the project, it will help very much.

  - Shreyansh Bhavsar
  (Collabera)

- Don't disappoint if your project difficult to complete, try that way which you were ignoring may it can help you in an effective manner.

  -Nirmit Patel
  (Senior Tech, Infochip)



BIRLA VISHVAKARMA MAHAVIDYALAYA(ENGINEERING COLLEGE)
(An Autonomous Institution)
VALLABH VIDYANAGAR

REPORT ON PROJECT 2016 E.POSTER FAIR ON 20.10.2016 AT BVM

Birla Vishvakarma Mahavidyalaya(Engineering College) established in June, 1948, 1st Engineering College in rural area in Gujarat State managed by Charutar Vidya Mandal. Number of engineering graduates passed out and settled in India and abroad and some become Entrepreneurs. At present Civil, Computer, Electrical, Electronics, mechanical, Production, Information Technology and Electronics Communication branch students receiving engineering education. BVM Engineering College had introduced project fair and expo for all Final Year engineering students first of its kind at Gujarat Technological University, Gandhinagar. On 20th October, 2016 at BVM Engineering College for all Final year students of 7th Semester project e.poster fair event was organized under the joint auspicious of industry institute interaction Cell & Innovation Sankul, TEQIP-II and BVM Alumni Association. In inauguration programme president Er.Jagdishbhai I Patel, Er. D.C.Patel (Shree Ram Builders, Vallabh Vidyanagar), industrial experts are invited. Shri Pareshbhai Shah from Vallabh Alloy Steel Casting, GIDC, VithalUdyognagar have attended the event.

In Civil Dept. Mr.P.S.Chari (GERI, Vadodara)(Structure Consulting Engineers), Mr.TaherTinwala, Mr.Nitesh Patel, Project Management Consultants, Mr.R.N.Yadav(GNFC, Bharuch)

In Computer Dept.. Dr. Varang Acharya, GM Savya 1 Tech. Ahmedabad, Mr. Japan Sevak, Executive Software Dept., Tech. Elecon Vallabh Vidyanagar Mr. raj Kothari, Co-founder Fareerkhoj Ahmedabad.

In Electrical : Mr.J.D.Khumbani,Sr. Manager, Pioneer Furnace VithalUdyognagar, Mr.Mayanak Patel, Asst.Manager, Amul Dairy, Mr.J.N.Chandegra, Dy. Engineer, GETCO, Mr.J.N.Patel, DGM EleconEngg. Co.

In Electronics:Mr.Shah Anand, Proprietor Ray Innovation, PreraPaliwal, Tech. Engg. Pana Max Infotech, Mr.Falgun Thakkar, Asst.Professor, GECT

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In Mechanical: Mr.Nimesh Pandya, R&D Elecon Engg. Co., Mr. Vraj Sen Jaliya, DGM, Gear Division, Elecon, Mr.Patel Vishalkumar Rameshchandra, R&D Eimco Elecon Engg. Ltd. Mr.HitendraSinh Mavsinh Dabhi, Sr. Technical Executive R&D, Mr. Sudhir U Masurkar, CEO, Akaash Mechatronics Ltd., Mr. P A Patel, DGM Elecon Engg.Co.

In Electronics & Communication, Mr. Nilesh Jambucha, Mr. Krunal Patel, SLS Vithal Udyognagar System Level Solution and Experts of Information Technology department, faculty from all department have evaluated the project of students. The innovative projects e.poster were displayed. In each dept. 1st, 2nd& 3rd rank was given to students for dept. project work. Dr. D.G.Thakore had given talk on various activities done under TEQIP-II, Dr. L.B.Zala, Dean III Cell and Prof. J.N.Jain, Asso.Dean III Cell had given glimpse of various projects and events organized for the students and given vote of thanks to all. Project e-poster fair was a grand success.

January 11, 2017

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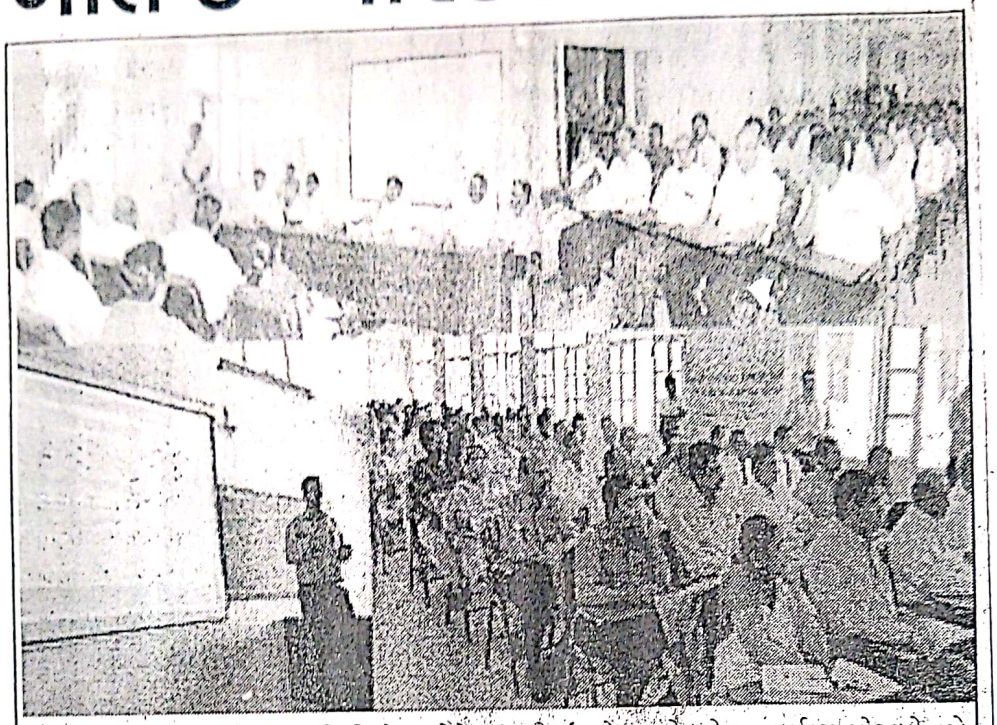
બી.વી.એમ. એન્જિ. કોલેજ ખાતે ઇ-પોસ્ટર પ્રેઝન્ટેશન



ચારૂતર વિદ્યામંડળ સંચાલિત બી.વી.એમ. કોલેજ ખાતે ઇ-પોસ્ટર પ્રેઝન્ટેશન કાર્યક્રમ યોજાયો. જે પ્રસંગે સ્વાગત પ્રવચન કરતા કોલેજના આચાર્ય ડૉ. ઇન્દ્રજીત પટેલ, જગદીશભાઇ પટેલ (પ્રમુખ વિ. યુ. નગર) ડી. સી. પટેલ, પ્રો. એલ. બી. ઝાલા તથા ઉપસ્થિત મહાનુભાવો.
(તસવીર : સલીમ-મમતા સ્ટુડિયો, વિદ્યાનગર)

આણંદ, તા. ૨૩

ચારૂતર વિદ્યામંડળ સંચાલિત બિરલા વિશ્વકર્મા મહાવિદ્યાલય ખાતે ઇન્ડસ્ટ્રી ઇન્સ્ટીટયૂટ ઇન્ટરેકશનના ભાગરૂપે ઇ-પોસ્ટર પ્રેઝન્ટેશન યોજાયું.

જેમાં બી.વી.એમ. કોલેજની ૮ બ્રાન્ચમાંથી ૧૮૫ પ્રોજેકટ રજૂ થયા જેનું મૂલ્યાંકન ઇન્ડસ્ટ્રીઝના ૨૪ અલગ અલગ એક્ષપર્ટસ દ્વારા થયું. ઇવેન્ટનાં શુભારંભ પ્રસંગે સંસ્થાના પ્રિન્સીપાલ ડૉ. ઇન્દ્રજીત પટેલે સંસ્થાની ઓટોનોમી અને ઇતર પ્રવૃત્તિમાં સિદ્ધિઓ વિશે સૌને માહિતગાર કર્યા. પ્રો. એલ. બી. ઝાલા, (ડીન આઇઆઇઆઇ સેલ)એ આઇઆઇઆઇ સેલની ઉપયોગીતા અને આઇડીપી/યુડીપી વિશે ખ્યાલ આપ્યો.

આ પ્રસંગે જગદીશભાઇ પટેલ (પ્રેસિડેન્ટ, વી. યુ. નગર ઇન્ડસ્ટ્રી એસોસીએશન), એન્જિનિયર ડી. સી. પટેલ (શ્રીરામ બિલ્ડર્સ) મુખ્ય અતિથિ તરીકે હાજર રહયા હતા.

અત્રે ઉલ્લેખનીય છે કે સંસ્થાના ઇ.સી. અને ઇલેકટ્રોનીકસ ડિપાર્ટમેન્ટમાંથી ઇ-રોબોટ, આઇ.ઓ.ટી. ઇરીગેશન, આઇ.ઓ.ટી. પાર્કિંગ સીસ્ટમ, ઇલેકટ્રીકલ ડિપાર્ટમેન્ટમાંથી પી.એલ.સી., એનર્જી કાર્યક્ષમતા, મિકેનીકલ અને પ્રોડકશન ડિપાર્ટમેન્ટમાંથી ડિઝાઇન, મેન્યુફેકચરીંગ, કાસ્ટીંગ વેલ્ડીંગ, થર્મલ, સીવીલ ડિપાર્ટમેન્ટમાંથી એનર્જી કાર્યક્ષમ બિલ્ડીંગ, પબ્લીક ટ્રાન્સપોર્ટ સિસ્ટમ, કોમ્પ્યુટર ડિપાર્ટમેન્ટમાંથી સ્માર્ટ ફાર્મ, મશીન લર્નીંગની થીમ પર અલગ અલગ પ્રોજેકટસ રજૂ થયાં હતા.

ઇવેન્ટની આભાર વિધિ પ્રો. જે. એન. જૈન (એસોસીએટ ડીન, આઇ આઇ આઇ સેલ) એ કરી હતી.

આ ઇવેન્ટની સફળતા માટે ચારૂતર વિદ્યામંડળના અધ્યક્ષ ડૉ. સી. એલ. પટેલ અને અન્ય હોદ્દેદારોએ શુભાશિષ પાઠવ્યા હતા.

BIRLA VISHVAKARMA MAHAVIDYALAYA V.V. NAGAR PIN-388120 DIST. ANAND.

Associate Dean
III cell
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Dr LB Zala
Dean IIIcell
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BIRLA VISHVAKARMA MAHAVIDYALAYA
VALLABH VIDYANAGAR

No.F/ October 17, 2016

INDUSTRY INSTITUTE INTERACTION CELL

Cordially invites all the faculty members, industry guests and all students of B.E. Final Year at BVM Engineering College to attend the inauguration programme of project e.poster evaluation of B.E. VII Semester.

On 20th October, 2016 Thursday **at 9.00 am to 10.00 am at BVM Auditorium**

Er.Shri Jagadishbhai Patel, President, VUIA
Co-chairman, GTU Innovation Sankul, Vallabh Vidyanagar Zone-II
&
Er. D.C.Patel (Shri Ram Builders) have kindly consented to be the Chief Guest of the function.

(Prof.J.N.Jain)	(Dr.L.B.Zala)	(Dr. I.N.Patel)
Asso.Dean	Dean	I/c.PRINCIPAL

III Cell, BVM

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V V NAGAR PIN-388120 DIST ANAND

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PROGRAMME		
1	9.00 am to 9.30 am	Get together : Refreshment Meeting with Chief Guest, Industry experts with III Cell members and faculty
2	9.30 am to 10.15 am	Inauguration at B.M. Library Conf. Room
3	10.15 am to 1.15 pm	**Session 1**: Evaluation of Project e-posters(virtual) at each respective department by industry experts and faculty at the departmental level
4	1.15 pm to 2.00 pm	Lunch break Lunch for experts, project Coordinators, HoDs & III cell members
5	2.15 pm onwards	**Session 2**: Evaluation of projects, result declaration and concluding remarks at each department

Some of the common areas of partnership and collaboration:

- Arranging lecturers/Workshops with experts from industry
- Sharing of subjects at B.E. Level
- Students' projects
- Consultancy projects
- Faculty participation/visits/training in the industry
- Industrial visits of students
- Students training/internship
- For more information, please visit the link : triplei@bvmengineering
- For any queries, you may please mail to : jnjain@bvmengineering.ac.in
  lbzala@bvmengineering.ac.in
  principal@bvmengineeing.ac.in

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Associate Dean III Cell

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BVM ENGINEERING COLLEGE

(An Autonomous Institution)

Managed by CVM

E-Poster Presentation

E-Poster Presentation was held in BVM engineering college on 20th October 2016 and continued for whole day. The final year students of eight different departments namely Civil, Mechanical, Production, Electronics, Computer, Electrical, Electronics & Telecommunication and Information Technology presented their project work as E-Poster. Inauguration of E-poster Presentation was held at morning 10 a.m. at library conference hall. Inauguration speech was given by Dr. I. N. Patel (Principal of college), Dr. L. B. Zala (Head Civil Engineering), Engineer industrialist Jagdishbhai Patel (President of Vitthal Udhyog Industrial Association) and Engineer D C Patel (shree Ram Builders, Vallabh Vidyanagar). There were 185 projects from eight different departments which were evaluated by 24 experts from various industries. Expert opinion was that the projects are good, innovative and useful to society and industries to overcome real life problems.

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