



REPORT

PROJECT EXPO – 2022

(Final Year Project Competition)

In Association with

BVM Alumni Association

Event Date:

13th April 2022

Organized by

Industry Institute Interaction Cell

Birla Vishvakarma Mahavidyalaya

Engineering College

(An Autonomous Institution)

Vallabh Vidyanagar, Gujarat, India



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About Project Expo:

Birla Vishvakarma Mahavidyalaya Engineering College, Industry Institute Interaction Cell has organized Project Expo for final year engineering students on 13th April 2022. There are 28 jury members from the various reputed industry/organization were invited to judge the projects. There were total 198 industry defined projects and 111 user defined projects demonstrated during the event. Best 03 teams from each discipline of major projects and minor projects were awarded by the prizes and also some teams were approve for the further mentoring support from the various industries.

The event was started with registration process at 8:30 AM, followed by breakfast. The inaugural session started at 9:00 AM at BVM Auditorium. Dr. I. N. Patel (Principal, BVM Engineering College), Dr. L.B. Zala (Dean-III cell), Prof. A. N. Bhavsar (Convener, Project Expo and Associate Dean - III cell), Dr. Akshay Pandya (Associate Dean - III cell) and Er. Manish Kothari (MD, Rhino Machines Pvt. Ltd.) were dignitaries on the dais. Several industrial experts from all the disciplines were invited to the Expo as a jury member. Project Coordinators of each discipline were also present during the inaugural session at BVM Auditorium. The inaugural session ended at 10:30 AM. The projects were evaluated at respective department from 10:30 am onwards. The valedictory ceremony of the project expo was arranged from 02:30 pm onwards at BVM Auditorium.

Objectives:

- To empower every student to achieve their truest potential.
- To realize engineering passion with respect to build something innovate for the future.
- To enhance industry and institute interaction.
- To motivate students for present their innovative ideas.

Outcomes:

Experts from industries have evaluated the student's projects and gave their valuable remarks and feedback on the topic of the project and interacted with students about how to improve the quality of the work and project at large. Students were able to fulfil the objectives of the creative thinking while preparing the posters.

- Students were able to
 - i. Efficiently present their idea.
 - ii. Design the poster with all technical aspects.
 - iii. Visually represent the key points.

Glimpses of the Inaugural Ceremony



**Inaugural Ceremony Project Expo 2022, Date: 13/04/2022, Time 9:00 am,
Venue BVM Auditorium**



Address by Principal Dr. I. N. Patel



**Address by Prof. A. N. Bhavsar (Convener,
Project Expo 2022)**



**Address by Dr. Akshay Pandya
(Asso. Dean III)**



**Keynote Address by Er. Manish Kothari
(MD, Rhino Machines PVT LTD)**



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Project Evaluation at Department Level

(1) Glimpses of Civil Engineering Department

The project evaluation by the jury members was done for all the projects presented by the students in D-201 till 1:30 PM. Total 3 experts were there from industries: Mr. Chirag Patel (Str. Engineer, Horizone, Anand), Mr. Kuldip Shah (Sr. Engineer, Linde, Baroda) and Mr. Prashant Pambhar (Engineer, Sai Consultancy, Ahmd). A total 31 projects were demonstrated from Civil engineering department.





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Best 3 projects from Civil Engineering Department

<u>Team Members</u>	<u>Project Title</u>	<u>Position</u>	<u>Cash Prize in Rs.</u>
Mohammedfaiz Lohia Dhruv Buch Ritesh Nakum Leena Sharma	“Design Comparison between RCC and Composite building”	<u>2nd</u> <u>Runner Up</u>	<u>2000/-</u>
Yash Khakhar Kuldeep Gajera Shivsingh Sengar Rajpalsinh Jadeja	“Geometric Design using spot Speed Study, A Case Study of SAPDA, Jamnagar”	<u>1st</u> <u>Runner Up</u>	<u>3000/-</u>
Shrey Mayank Rana Sachin Subhash Bharat Kanzariya Pradip Baldaniya Devang Jadhav	“Experimental Study on the performance of Covid Waste in Developing Construction Components of Next Generation”	<u>Winner</u>	<u>5000/-</u>

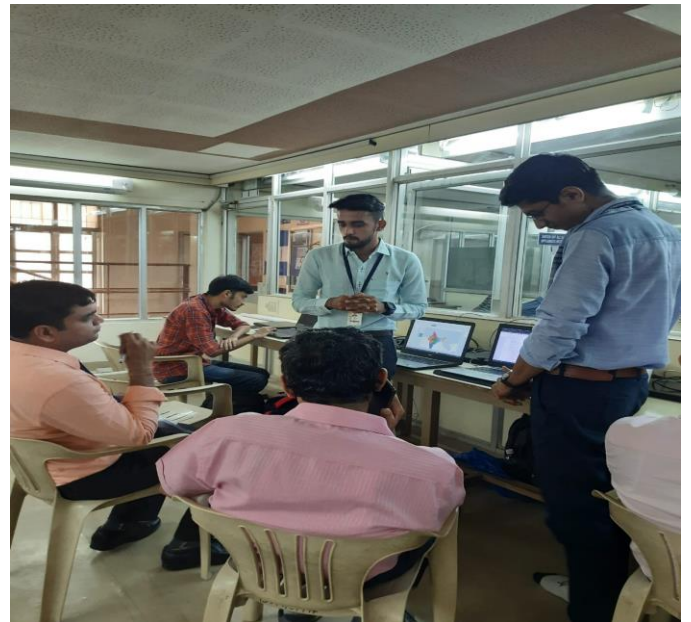


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(2) Glimpses of Computer Engineering Department

The project evaluation by the jury members was done for all the projects presented by the students in lab 7, 8, 9 till 1:30 PM. Total 5 experts were there from industries: Hardik Desai, Senior Manager of Sophos, Ahmedabad, Naresh Khalasi, Head of engineering of VAYAVA Network, Baroda, Dr. Varang Acharya, Founder of Sunnibh Tech, Baroda, Falguni Ranadive, Head of Training, Techo Pvt.Ltd, Baroda, Urmik Shah, Project Manager of SLS Tech, V. U. Nagar. A total 73 projects were demonstrated from Computer engineering department.





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Best 3 projects from Computer Engineering Department

Position	Name	ID No.	Internal Guides	Project Name
1.	Ketul Patel	18CPo60	Prof. Bhavesh A. Tanawala, Dr. N M Patel	DevOps Automation
2.	Harsh Upadhyay	18CPo27	Dr. Darshak G. Thakore, Prof. Kirtikumar Sharma	Recommendation system for E-Commerce
3.	Dhruvi Kunvarani	18CPo38	Dr. Darshak G. Thakore, Prof. Pranay Patel	Binge-Watch Connect



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(3) Glimpses of Electronics Engineering Department

The project evaluation by the jury members was done for all the projects presented by the students in Ground floor, F-block till 1:30 PM. Total 4 experts were there from industries: Mr. Bhaskar Trivedi, Sr. Director PerfectVip, Ahmedabad, Mr. Himanshu Ankleshwaria Engineer SLS India PVT LTD, V.U.Nagar, Mr. S V Jadeja, Proprietor, Satya Edutronics, Vadodara, Mr. Sudhir Nair, Proprietor, Tirtha Electro Device, Anand. A total 50 projects were demonstrated from Electronics engineering department.





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Best 3 projects from Electronics Engineering Department

(1) Minor Project

Sr. No	ID No.	Name of students	Faculty Guide/Coguide	Title of project
1 st Prize	18EL035	Pratibha Singh	Dr. K.D. Patel,	Smart water pollution monitoring system using raspberry pi
	18EL203	Sakshi Sharma	Dr. D M Patel	
2 nd Prize	18EL012	Sarwangi Patel	Dr. Deepak Vala,	Surveillance Drone using STM32
	18EL202	Ankita Dhar	Prof. M. P. Prajapati	
3 rd Prize	18EL069	Pranjal Chaubey	Prof. C. J. Jayaswal,	Crowd Analysis using Deep Learning
	18EL077	Kalpan Shah	Dr. D. M. Patel	

(2) Major Project

Sr. No	ID No.	Name of students	Faculty Guide	Industry Guide	Title of project
1 st Prize	19EL307	Harshil J Rana	Prof. A N Bhatt, Prof. N. R. Ada	Dirgh Dholakia	Batch Mixing Process using PLC and HMI
2 nd Prize	18EL004	Mehul Vadgama	Prof. M. M. Solanki, Prof. C. S. Patel	Kuldeep Sanchania	GSM BASED ANTI-THEFT ALARAM SYSTEM
	18EL014	Amit Vadhavana			
2 nd Prize	18EL062	Vishal Rana	Dr. M S Holia,	Keyur Chauhan	Hydroponic system
	18EL073	Dhruv Patel	Dr. D. L. Vala		
3 rd Prize	18EL016	Kaushal dekiadia	Prof. A N Bhatt,	Palak Patel	Bluelib
	18EL042	Parth Varsani	Prof. N. R. Ada		



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(4) Glimpses of Electrical Engineering Department

The project evaluation by the jury members was done for all the projects presented by the students in Ground floor, A-block till 1:30 PM. Total 3 experts were there from industries: Ms. Manisha Shukla, Training Manager, HITACHI ENERGY, Vadodara, Mr. Krunal Shah, Owner and Proprietor, Industrial Automation Services, Mr. Jignesh Patel, Owner and Proprietor, PARTH Electricals. A total 28 projects were demonstrated from Electrical engineering department.





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Best 3 projects from Electrical Engineering Department

(1) Minor Project

Sr. No	ID No.	Name of students	Faculty Guide	Title of project
1 st Prize	18EE011	Kuldip Patel	Prof. J. C. Baria	Speed and Torque control of IPMSM using MTPA and FW method
	18EE020	Jwalin Raval		
	18EE018	Bhakti Thakor		
2 nd Prize	18EE201	Jijesh jangid	Prof. Ashish R. Patel	E-billing system using smart Energy meter
	18EE037	Thummar Harsh Bipinbhai		
3 rd Prize	18EE023	Dhruv Pokar	Prof. Swapnil V. Arya	Leading Power Factor Prevention using thyristor controlled reactor
	18EE202	Vaibhav achegave		
	19EE306	Mukesh Jethva		

(2) Major Project

Sr. No	ID No.	Name of students	Faculty Guide	Title of project	Industry Guide	Name of Industry
1 st Prize	18EE038	Mustufa Munshi	Prof. Dipan A. Parikh	Solar MPPT based E-bike battery charge controller	Dr. Vitthal Kamat	Baroda Electric Meters
	18EE057	Meet Mehta				
	18EE062	Rushi Rohitbhai Shah				
2 nd Prize	18EE061	Gaurav Barve	Dr. R. P. Mehta	Transmission line lighting performance improvement	Mr. Nihar Raj	Adani Transmission Ltd.



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(5) Glimpses of Mechanical Engineering Department

The project evaluation by the jury members was done for all the projects presented by the students in Central Workshop till 1:30 PM. Total 3 experts were there from industries: Er. Chirag Shah, Worley; Er. Amit Gajera, IDMC; Er. Siddharth Jivani, Siddharth Enterprise. A total 42 projects were demonstrated from Mechanical engineering department.





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Best 3 projects from Mechanical Engineering Department

(1) Minor Project

Sr. No	I.D. No.	Name	Faculty Guide	Title of project
1 st Prize	18MEo43	Suryavanshi Bhagyeshkumar V.	Prof. H. G. Katariya	Experimental Study of Double Slope Solar Still with Rotating cylinder
	18MEo49	Pachchigar Deval P.		
	18MEo29	Kaji Vasimraza Sajidbhai		
	18MEo54	Bhandari Dharmin Harshadbhai		
2 nd Prize	18MEo46	Patel Ayush Vasantbhai	Prof. (Dr.) V. J. Patel	Autonomous delivery robot with real time obstacle avoidance
	18MEo42	Thakkar Manav Bhavesh		
	18MEo28	Dalwadi Naitik Hetalkumar		
	18ME410	Panchal Parth Jayendrakumar		
3 rd Prize	18MEo63	Chandresh Vinubhai Vamja	Prof. J. R. Koisha	Design and manufacturing of power generating electromagnetic suspension
	18MEo53	Nikunj Balubhai Savaliya		
	18MEo52	Apurv Rajubhai Prajapati		
	19ME308	Vajar Paras Mahendrabhai		

(2) Major Project

Sr. No	I.D. No.	Name	Faculty Guide	Title of project
1 st Prize	19ME311	Yash Jaimin Mehta	Prof. R G Jivani	Gear wheel cost optimization
	18MEo91	Abhishek Khuthiya		
2 nd Prize	18ME433	Deep Raval	Prof. S P Joshi	Optimization of the process parameters of Superfinishing Process
	18MEo77	Vikram Suthar		
3 rd Prize	18MEo83	Singh Praveen Vinay	Dr. J P Hadiya	Design and analysis of waste heat utilisation exchanger for VCR System of cold storage
	18MEo94	Patel Dhruv Pravinbhai		

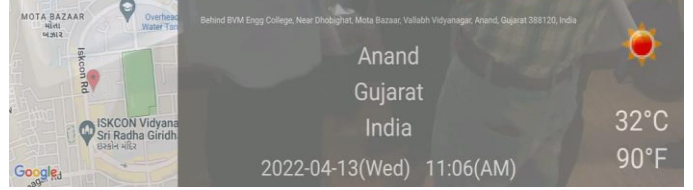


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(6) Glimpses of Production Engineering Department

The project evaluation by the jury members was done for all the projects presented by the students in H104 till 1:30 PM. Total 02 experts were there from industries: Er. Amrut Patel, Consultant, Arti drugs and Pharmaceuticals Ltd. and Er. Jayanta Mukhopadhyay, Head Development, Power Build Private Limited, Vitthal Udyognagar, Anand. A total 15 projects were demonstrated from Production engineering department.





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Best 3 projects from Production Engineering Department

Sr. No	ID No.	Name of students	Faculty Guide	Title of project
1 st Prize	18PE406	Karthik Jambunathan Iyer	Prof. Akil Jariya	Productivity Improvement of Induction Motor
	18PE030	Jaydipkumar Keshavbhai Valaki		
	18PE004	Arpitkumar Rameshbhai Hathila		
2 nd Prize	18PE010	Arjun Patoliya	Dr. Hardik Beravala	Development of Visual Basic Based Digital Inventory Management System for MSME
	18PE009	Uttam Sorathiya		
	19PE302	Vipul Chauhan		
3 rd Prize	18PE002	Mayank Vanrajbhai Shiyaniya	Prof. Rakesh Barot	IOT Based Smart Foundry
	18PE403	Pranav Shah		
	18PE025	Hemant Varvariya		

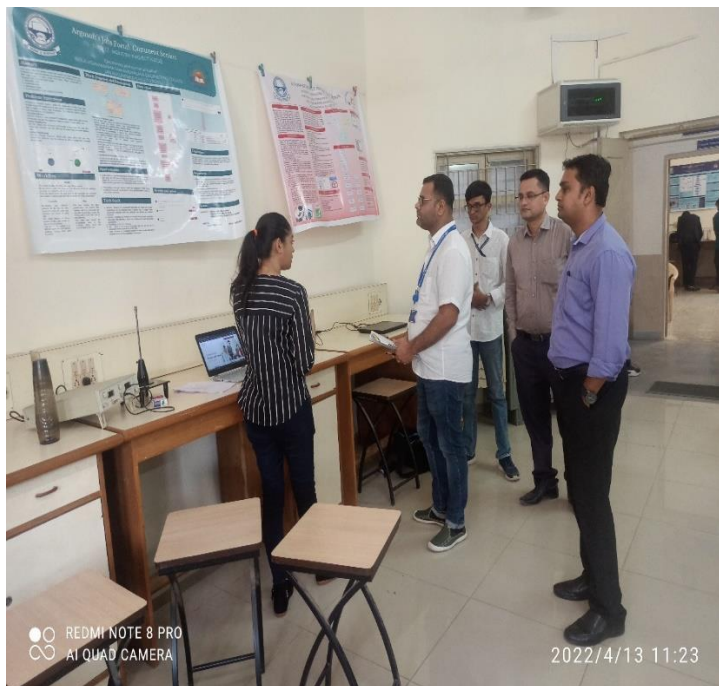


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(7) Glimpses of Electronics and Communication Engineering Department

The project evaluation by the jury members was done for all the projects presented by the students in F-Block, Second Floor till 1:30 PM. Total 04 experts were there from industries: Er. Dipen Parmar (Manager, SLS India PVT LTD), Er. Niraj Shah (Owner, Arihant Satiare, Ahmedabad), Er. Ravi Prajapati (Owner, AR Electronics, Ahmedabad), Er. Chandrark Vyas (Silicon Engineer, Google, Ahmedabad). A total 32 projects were demonstrated from Electronics and Communication engineering department.





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Best 3 projects from Electronics and Communication Engineering Department

(1) Minor Projects:

Sr. No	ID No.	Name of students	Faculty Guide	Title of project
1 st Prize	18EC419	Prathamesh Dave	Dr. R. C. Rana, Dr. R. P. Paul	Vine Robots
	18EC426	Pranesh Patel		
2 nd Prize	18EC411	Amisha Singh	Dr. Darshan Dalwadi, Prof. Anish Vahora	IoT Driven Manhole Monitoring System
3 rd Prize	18EC441	Sankalp Mane	Dr. R. P. Paul, Prof. A. H. Choksi	IoT based toll booth System
	18EC446	NirbhayChaplot		

(2) Major Projects:

Sr. No	ID No.	Name of students	Faculty Guide	Title of project
1 st Prize	18EC434	Dev Patel	Dr. Darshan Dalwadi	Brushless Direct Current Fan
2 nd Prize	18EC412	Aditya Shah	Dr. Robinson Paul	Augmented Reality Integra with Internet of Things
3 rd Prize	18EC409	Arka Ghosh	Dr. Darshan Dalwadi	Speed and Torque control of Brushless DC Motor (BLDC) using ARM Cortex Mo+ Microcontroller

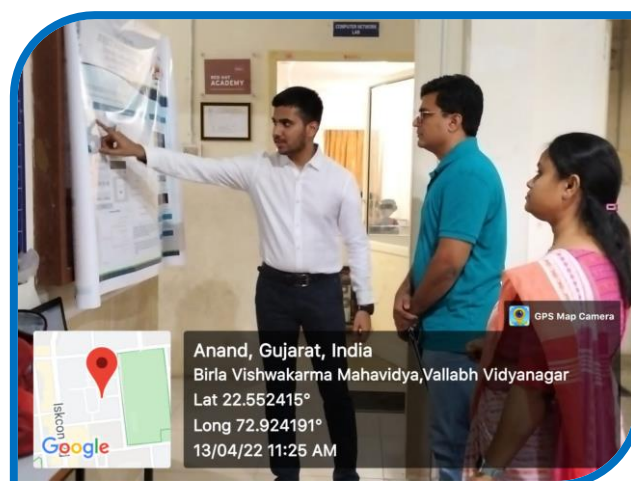
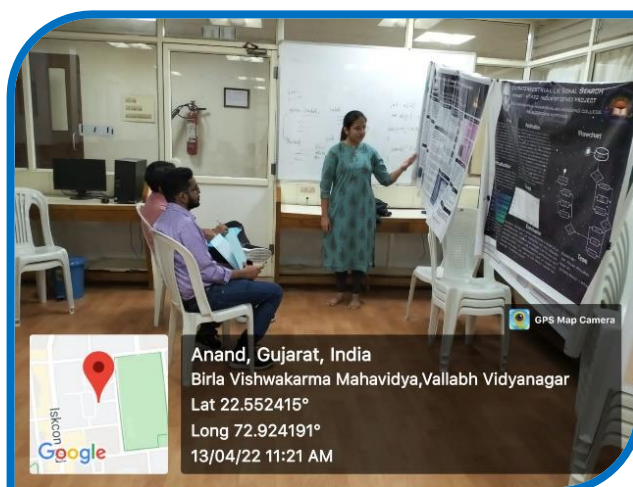
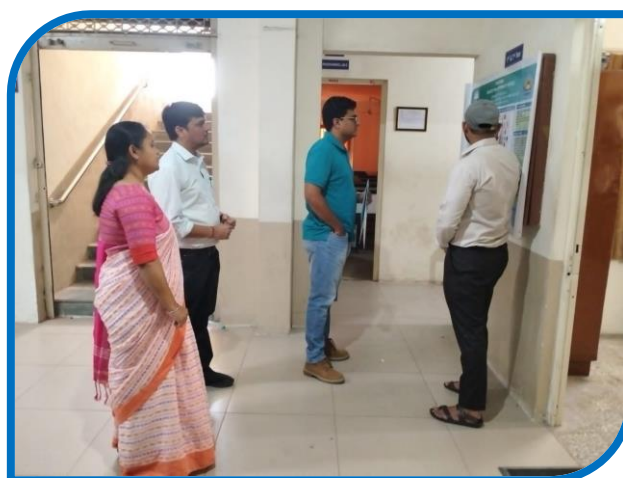


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(8) Glimpses of Information Technology Department

The project evaluation by the jury members was done for all the projects presented by the students in B-Block, Second Floor till 1:30 PM. Total 04 experts were there from industries: Mr. Harshit Lalpura, CTO, Hashmedia, Ahmedabad, Mr. Maulesh Kanani, Director, Sanatan Technolabs, Ahmedabad, Mr. Akash Padhiyar, Founder, Akash Technolabs, Ahmedabad, Mr. Malay Matwankar, Associate Tech Lead, Adrixus Ltd., Vadodara. A total 37 projects were demonstrated from Information Technology department.





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Best 3 projects from Information Technology Department

(1) Minor Projects:

Sr. No	ID No.	Name of students	Faculty Guide	Title of project
1 st Prize	19IT610	Maahi Joshi	Prof. Vishal Polara	Blind stick
	18IT457	Hit Bharati		
	18IT442	Yash joshi		
	18IT420	Om Patel		
2 nd Prize	16IT442	Mehul Rathod	Prof. Kanu Patel	Smart parking system on IOT
	18IT408	Jeet Kavthiya		
	18IT751	Ritika Pandita		

(2) Major Projects:

Sr. No	ID No.	Name of students	Faculty Guide	Title of project
1 st Prize	18IT441	Jaimin M. Shimpi	Prof. Aneri Patel	Autonomous Driving Simulations Using Computer Vision & Geo-Informatics
	18IT440	Gruhit S. Patel		
	18IT428	Yash D. Patel		
	18IT421	Hit M. Patel		
2 nd Prize	18IT417	Priyanka Jain	Dr. Zankhana Shah	Image Enhancement of Cyclone Images of cyclones occurred over Indian territory
3 rd Prize	18IT403	Yash Shaileshkumar Maheta	Dr. Vatsal Shah	Watcher



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Glimpses of the Valedictory Ceremony



Address by Er. Pradeep Patel



Prizes received by winners



Prizes received by winners



Prizes received by winners



Prizes received by winners



Prizes received by winners

Press Note

બિરલા વિશ્વકર્મા મહાવિદ્યાલય ખાતે પ્રોજેક્ટ એક્સપો તથા ઈન્ડસ્ટ્રી ઈન્સ્ટિટ્યૂટ મીટના વિજેતા વિદ્યાર્થીઓનો ઇનામ વિતરણ સમારોહ

આણંદ, તા. ૨૨

ચારુતર વિદ્યામંડળ સંચાલિત બિરલા વિશ્વકર્મા મહાવિદ્યાલય ખાતે ચારુતર વિદ્યામંડળના અધ્યક્ષ ભીખુભાઈ પટેલના માર્ગદર્શન હેઠળ ઈન્ડસ્ટ્રી ઈન્સ્ટિટ્યૂટ ઈન્ટરેક્શન સેલ તથા બી.વી.એમ. એલમની એસોસિએશન અંતર્ગત પ્રોજેક્ટ એક્સપો-૨૦૨૨, ઈન્ડસ્ટ્રી ઈન્સ્ટિટ્યૂટ ઈન્ટરેક્શન મીટ-૨૦૨૨ તથા પ્રોજેક્ટ એક્સપો-૨૦૨૨ ના વિજેતા વિદ્યાર્થીઓનો ઇનામ વિતરણ સમારોહ યોજાયો હતો.

જેમાં મુખ્ય અતિથિ તરીકે એન્જિનીયર મનીષ કોઠારી (ડાયરેક્ટર, Rhino Machines Pvt. Ltd), એન્જિનીયર પ્રદીપભાઈ પટેલ (માનદ્ર મંત્રી, બીવીએમ એલમની એસોસિએશન), ડૉ. એલ.બી. ઝાલા (હેડ, સિવિલ



એન્જિ તથા ડીન, ડૉ. અમિત ભાવસાર (એસોસિએટ ડીન, ડૉ. અશ્વ પંડ્યા (એસોસિએટ ડીન, ડૉ. ઝંખના શાહ, પ્રો. ધરિતા પટેલ ઉપસ્થિત રહ્યા હતાં.

પ્રો. અમિત ભાવસારે સૌનું અભિવાદન તથા ઉપસ્થિત અતિથિનો પરિચય આપ્યો હતો. આ પ્રસંગે સંસ્થાના પ્રિન્સિપાલ ડૉ. ઈન્દ્રજિત

એન. પટેલે જણાવ્યું હતું કે ઈન્ડસ્ટ્રી રેડી એન્જિનીયર્સ બીવીએમ દ્વારા તૈયાર થઈ શકે તે માટે ડૉ. અશ્વ પંડ્યા (એસોસિએટ ડીન, ડૉ. ઝંખના શાહ, પ્રો. ધરિતા પટેલ ઉપસ્થિત રહ્યા હતાં.

આ પ્રસંગે એન્જિનીયર મનીષ કોઠારીએ સૌને અભિનંદન પાઠવતા જણાવ્યું હતું કે ઈનોવેટિવ અને બેસ્ટ પ્રોજેક્ટ સ્ટાર્ટઅપમાં પરિવર્તિત કરી

શકાય છે તથા ઈન્ડસ્ટ્રીમાં તેને એક્સટેન્ડ પણ કરી શકાય છે. પ્રોડક્ટ ડેવલપમેન્ટમાં ટેકનિકલ સ્કેલ્સ તથા લેટેસ્ટ ટેકનોલોજિકલ કમ્પોનન્ટ્સ દ્વારા સિસ્ટમ ઈન્ટિગ્રેશન કરી શકાય છે.

કાર્યક્રમનું સંચાલન પ્રો. અમિત ભાવસાર, ડૉ. ઝંખના શાહ અને પ્રો. ધરિતા પટેલે કર્યું હતું. અંતે ડૉ. અશ્વ પંડ્યાએ સૌનો આભાર વ્યક્ત કર્યો હતો.

BVMમાં પ્રોજેક્ટ એક્સપોમાં 309 પ્રોજેક્ટ રજૂ થયા

નવગુજરાત સમય > આણંદ

વલ્લભ વિદ્યાનગર સ્થિત ચારુતર વિદ્યામંડળ સંચાલિત બીવીએમ એન્જિનિયરીંગ કોલેજમાં ઈન્ડસ્ટ્રી ઈન્સ્ટિટ્યૂટ ઈન્ટરેક્શન સેલ તથા બીવીએમ એલમની એસોસિએશન અંતર્ગત પ્રોજેક્ટ એક્સપો-૨૦૨૨ અને ઈન્ડસ્ટ્રી ઈન્સ્ટિટ્યૂટ ઈન્ટરેક્શન મીટ ૨૦૨૨માં વિજેતા વિદ્યાર્થીઓનો ઇનામ વિતરણ સમારોહ યોજાયો હતો. આ પ્રસંગે મુખ્ય અતિથિ રીનો મશીન પ્રા.લિ.ના મનીષ કોઠારી મનીષ કોઠારીએ જણાવ્યું હતું કે ઈનોવેટિવ અને બેસ્ટ પ્રોજેક્ટ સ્ટાર્ટઅપમાં પરિવર્તિત કરી શકાય છે તથા ઈન્ડસ્ટ્રીમાં તેને એક્સટેન્ડ પણ કરી શકાય છે. પ્રોડક્ટ ડેવલપમેન્ટમાં ટેકનિકલ સ્કેલ્સ તથા લેટેસ્ટ ટેકનોલોજિકલ કમ્પોનન્ટ્સ દ્વારા સિસ્ટમ ઈન્ટિગ્રેશન કરી શકાય છે.

પ્રારંભમાં પ્રો. અમિત ભાવસારે જણાવ્યું હતું કે પ્રોજેક્ટ એક્સપો-૨૦૨૨ માં દરેક બ્રાન્ચમાંથી વિદ્યાર્થીઓ દ્વારા ૩૦૯ જેટલા

પ્રોજેક્ટ્સ રજૂ કરવામાં આવ્યા હતા જેમાં ૧૯૮ ઈન્ડસ્ટ્રી પ્રીકાઈડ પ્રોજેક્ટ તથા ૧૧૧ યુઝર પ્રીકાઈડ પ્રોજેક્ટનો સમાવેશ થયો હતો. ડૉ. એલ.બી. ઝાલાએ III સેલ અંતર્ગત પ્રવૃત્તિઓ વિષે માહિતી આપી હતી. એન્જિનીયર પ્રદીપભાઈ પટેલે બીવીએમ એલમની એસોસિએશન અંતર્ગત પ્રવૃત્તિઓ વિશે માહિતી આપી હતી. કોલેજના પ્રિન્સિપાલ ડૉ. ઈન્દ્રજિત પટેલે જણાવ્યું હતું કે ઈન્ડસ્ટ્રી ઈન્સ્ટિટ્યૂટ વચ્ચેની ગેપ ઘટાડવા માટે તથા વિદ્યાર્થીઓને ટેકનિકલ સ્કેલ્સ માટે પ્રોજેક્ટ એક્સપો પ્લેટફોર્મ પૂરું પાડે છે. આ ઈવેન્ટમાં ૭ અને ૮માં સેમિસ્ટરના વિદ્યાર્થીઓ વર્કિંગ મોડલ, પ્રોટોટાઇપ, સિમ્યુલેશન રિજલ્ટ તથા એનાલિસિસ તૈયાર કરે છે જે તેમને ઈન્ટરેક્શનલ જર્નલ તથા કોન્ફરન્સમાં રિસર્ચ પેપર પબ્લિકેશન, પેન્ટેન્સ તથા અલગ સ્ટાઈ અપ વેન્ચર માટે મદદરૂપ નીવડે છે. સ્ટાઈ અપ તથા ઈનોવેશન માટે બીવીએમ SSIP સેલ વિદ્યાર્થીઓને જરૂરી ફંડિંગ પૂરું પાડે છે. ઈન્ડસ્ટ્રી ઈન્સ્ટિટ્યૂટ



ઈન્ટરેક્શન મીટ ૨૦૨૨ અંતર્ગત ૪૫થી વધુ ઈન્ડસ્ટ્રીના તજજ્ઞોએ ઈન્ડસ્ટ્રી રેડી એન્જિનીયર્સ તૈયાર કરવા માટે જરૂરી ટેકનોલોજિકલ અપગ્રેડેશન, ઈન્ટર્નશીપ ટ્રેનિંગ તથા પ્રોજેક્ટ્સ, પ્લેસમેન્ટ માટે જરૂરી સ્કેલસેટ વિશે ચર્ચા કરી હતી.

પ્રોજેક્ટ એક્સપો ૨૦૨૨માં સિવિલ એન્જિનિયરીંગમાં એક્સપેરિમેન્ટલ સ્ટ્રી ઓન પરફોર્મન્સ ઓફ કોવિડ વેસ્ટ ઈન ડેવલોપીંગ કન્સ્ટ્રક્શન કોમ્પોનન્ટ્સ ઓફ નેક્સ્ટ જનરેશન, ઈલેક્ટ્રિકલ એન્જિનિયરીંગમાં સોલાર એમપીપીટીબેન્ડ ઈ-આઈટ બેટરી ચાર્જ કન્ટ્રોલર, સ્પીડ એન્ડ

ટ્રોક્સુ કન્ટ્રોલ ઓફ આઈપીએમએસએમ યુજીએ એમટીપીએ એન્ડ એફડબલ્યુ મેક્, મિકેનિકલ એન્જિનિયરીંગમાં ગીયર વ્હીલ કોસ્ટ ઓપ્ટીમાઇઝેશન એક્સપેરિમેન્ટલ સ્ટ્રી ઓફ ડબલ સ્લોપ સોલાર સ્ટીલ વીથ રોટેટીંગ સિલિન્ડર, કોમ્પ્યુટર એન્જિનિયરીંગમાં ડેવલોપ્સ ઓટોમેશન, આઈટી એન્જિનિયરીંગમાં બ્લાઈન્ડ સ્ટ્રીક, ઓટોનોમસ ગ્રાઈવીંગ સીમ્યુલેશન યુજીએ કોમ્પ્યુટર વિઝન, જીઓ ઈન્ફોર્મેટિક્સ, ઈલેક્ટ્રોનિક્સ એન્જિનિયરીંગમાં સ્માર્ટ વોટર પોલ્યુશન મોનિટરીંગ સિસ્ટમ યુજીએ રાસબેરી પીઆઈ, બેચ મિક્રોસિંગ પ્રોસેસિંગ યુજીએ પીએલસી એન્ડ એચએમઆઈ, ઈસી એન્જિનિયરીંગમાં બ્રસલેસ ડ્રાઇવર કન્ટ્રોલ, વાઈન રોબોટ, પ્રોડક્શન એન્જિનિયરીંગમાં પ્રોડક્ટવીટી ઈમ્પ્રુવમેન્ટ ઓફ ઈન્ડક્શન મોટર પ્રોજેક્ટને વિજેતા જાહેર કરાયા હતા. સંચાલન પ્રો. અમિત ભાવસાર તથા ડૉ. ઝંખના શાહ અને પ્રો. ધરિતા પટેલે કર્યું હતું. અંતે ડૉ. અશ્વ પંડ્યાએ સૌનો આભાર વ્યક્ત કર્યો હતો.

List of Participants

PROJECT EXPO 2022							
Final Year B. Tech (Civil) students, 8th Semester AY: 2021-22							
Gr. No.	Sr No.	Group ID/Guide	Title of Project	Name of students	ID No.	Contact No.	Sign
1	1	BVM/CIVIL/2021-22/001 Prof. A. N. Bhavsar	Planning, Design and Preparing DPR for the Town-houses Project: Sustainable and Green residential campus, R. S. of Moje Rajnagar, Nadiad.	KAUSHIK J VASAVA	18CE001	7434882154	
	2			JAYDEEPSINH B DAMOR	18CE002	9033366512	
	3*			DHYAN K SHETH	18CE003	7878557771	
	4			DHRUVIL V SHAH	18CE018	7046103040	
	5			VISHAL J BHURA	18CE023	8141772017	
2	1	BVM/CIVIL/2021-22/002 Prof. A. N. Desai, J R Prajapati	Structural Analysis and Design of Re-planned Public Library Building, Anand	Hemankumar H. Gadhavi	18CE073	6354490501	
	2			Mukul Kumar P. Parmar	18CE076	6355702789	
	3			Kinjal D. Chaudhari	18CE079	6355296877	
	4*			Dhaval B. Radhanpura	18CE099	9426482712	
	5			Aakashkumar. K. Prajapati	18CE077	6354485122	
3	1	BVM/CIVIL/2021-22/003 Dr. H. J. Chauhan, Prof. N. F. Umrigar	Geo-informatics, engineering Transportation	Malhar. K. Gamit	18CE083	9601696105	
	2*			Sharonkumar. S. Gamit	18CE084	7069990765	
	3			Hardikkumar. L. Gamit	18CE095	6354096288	
	4			Smit. N. Gamit	18CE097	6351993176	
	5			Jay V. Solanki	18CE004	6354489678	
4	1	BVM/CIVIL/2021-22/004 Dr. R. L. Patel	Environmental Engineering, and Software application in Civil Engineering.	Dhruv R. Patel	18CE025	6353854891	
	2			Mannkumar M. Bhagwate	18CE062	6354969515	
	3			Prashant M. Parmar	18CE064	6355259453	
	4			Venu G. Upadhyay	18CE111	9925269413	
	5*			Krushitbhai S. Dankhara	17CE042	9081795939	
5	1	BVM/CIVIL/2021-22/005 Dr. H. V. Patel/	A Study on Flood Frequency Analysis.	Manshi B. Boricha	18CE005	9265174347	
	2			Akanksha A. Chaudhary	18CE010	7984425694	
	3			Jatin Y. Vala	18CE015	7874954128	
	4			Sahil P. Parghi	18CE026	8347353707	
	5*			Nihal Galoriya	18CE056	9898386536	
6	1*	BVM/CIVIL/2021-22/006 Dr. L. B. Zala, Prof. B. R. Dalwadi	Pavement Design & Analysis.	Akshay G Gohil	18CE059	6356686184	
	2			Pritam A. Naliyapara	18CE078	8460976850	
	3			Kuldipkumar R. Priyadarshi (19)	15CE123	9979917945	
7	1*	BVM/CIVIL/2021-22/007 Dr. L. B. Zala, Prof. B. R. Dalwadi	Transportations and geo-techniques.	Hardik R. Chavda (29)	16CE042	8128256374	
	2			Darshankumar M. Patel(29)	16CE113	9737841019	
	3			Malhar V. Jadav(03)	18CE039	8238191967	
	4			Dhruv M. kaila(30)	18CE088	9974077626	

8	1*	BVM/CIVIL/2021-22/008 Prof. N. F. Umrigar	Hydraulic traffic reduce system.	Rohan Pargi	18CE043	9426923974	
	2			Nikunj Rathava	18CE037	7238944774	
	3			Rushabh Joshi	18CE048	8.1601E+10	
9	1*	BVM/CIVIL/2021-22/009 Prof. Dhaval S. Parmar	Transportations and geo-techniques.	Balram M. Makwana	18CE057	9979468172	
	2			Avinash V Joshi	18CE110	6354788203	
	3			Amit R. Parmar	18CE100	9274922113	
	4			Darshan K Chauhan	18CE101	9484772166	
	5			Chetan C Makwana	18CE061	7802992158	
10	1*	BVM/CIVIL/2021-22/010 Prof. Dhaval S. Parmar	Parking Problem at the Intersection in Urban Area. GIS	Khakhar yash	18CE006	9023399270	
	2			Gajera kuldeep	18CE058	9638302039	
	3			Sengar shivsingh	19CE319	7016442845	
	4			Jadeja rajpal	19CE321	7096263265	
11	1*	BVM/CIVIL/2021-22/011 Prof. A. A. Amin,	i.Transportation/Traffic Engineering, and ii.Concrete Technology.	Jaydeep P. Solanki	18CE081	6354403509	
	2			Urvik M. Chaudhari	18CE087	8141449839	
	3			Mayankkumar B. Chaudhari	18CE106	6354142376	
	4			Jayesh J. Raval	18CE119	6353996080	
	5			Amitkumar R. Chaudhary	18CE120	6353611452	
12	1*	BVM/CIVIL/2021-22/012 Prof. A. N. Bhavsar, Prof. Vishal B. Patel	Review of Digital Twin, In new era of Construction-Motion development	Ayush D. Khokhani	18CE123	9.1045E+10	
	2			Karan J. Thacker	18CE126	8980895501	
	3			Arya R. Mehta	18CE127	9586022142	
	4			Bhargavi R. Potdar	19CE323	8238587262	
13	1*	BVM/CIVIL/2021-22/013 Prof. A. N. Bhavsar	i.ConstructionProject Management and ii.Analysis/Design of structures.	Jeel R. Sonani	18CE032	8758361368	
	2			Ajay P. Kanetiya	18CE034	9429571813	
	3			Kaushik B. Patel	18CE044	6353963038	
	4			Neha R. Vankar	19CE302	7574985035	
	5			Bhargavi H. vankar	19CE325	8160697131	
14	1*	BVM/CIVIL/2021-22/014 Dr. S. V. Mevada, Dr. D. R. Bhatt	Seismic performance of irregular RCC buildings	Neel A. Parmar	18CE042	7874979052	
	2			Dhruvit B. Bhandari	18CE055	6354493819	
	3			Tisha M. Patel	18CE041	9638265261	
	4			Vishal K. Baraiya	18CE038	9601971979	
	5			Aryan G. Kalthiya	18CE040	8320526018	

15	1*	BVM/CIVIL/2021-22/015 Dr. S. V. Mevada	Comparison of Confined Masonry Structure and RCC Frame Structure	KIRTIRAJ SINH P. JADEJA	19CE306	7984965992	<i>[Signature]</i>
	2			DEEP K. PARMAR	19CE307	8488065552	<i>[Signature]</i>
	3			SOHEB R. MALEK	19CE308	9925514286	<i>[Signature]</i>
	4			JAYDEEP H. KAPDI	19CE311	9638687017	<i>[Signature]</i>
	5			BRJESH M. PRAJAPATI	19CE315	8980181201	<i>[Signature]</i>
16	1*	BVM/CIVIL/2021-22/016 Dr. Elizabeth George	Investigating the transient maturing of Bitumen modification using admixture.	Patel Deep Vishnubhai	18CE022	9979280241	<i>[Signature]</i>
	2			Rathod Nikulkumar Ratilal	18CE029	7226863079	<i>[Signature]</i>
	3			Patel Harsh Dahyalal	18CE113	6355051181	<i>[Signature]</i>
	4			Taral Parth Kantibhai	18CE116	8780913579	<i>[Signature]</i>
	5			Patel Deep Hareshkumar	18CE122	9104757134	<i>[Signature]</i>
17	1*	BVM/CIVIL/2021-22/017 Dr. Elizabeth George		Viraj K. Patel	19CE318	7226972940	<i>[Signature]</i>
	2			Dhaval R. Chavda	18CE054	6354314232	<i>[Signature]</i>
	3			Avadh G. Vaghela	18CE067	6359106884	<i>[Signature]</i>
	4			Vivek J. Bhimani	18CE068	7069450940	<i>[Signature]</i>
	5			Raj A. Dhamsaniya	18CE070	8469641995	<i>[Signature]</i>
18	1*	BVM/CIVIL/2021-22/018 Prof. Vishal B. Patel	i. Analysis of building, and ii. Structural design	Sneh J. Gajera	18CE072	9512551940	<i>[Signature]</i>
	2			MEET PRAJAPATI	18CE085	9714247644	<i>[Signature]</i>
	3			RONAK PATEL	18CE121	9737571575	<i>[Signature]</i>
	4			DHRUV PRAJAPATI	18CE047	9998987192	<i>[Signature]</i>
	5			Uttam N. Kapadiya	18CE009	9998781583	<i>[Signature]</i>
19	1*	BVM/CIVIL/2021-22/019 Prof. Jagruti Shah	City Resilient Strategies for Milk City Anand. WRE, EV	Karshanbhai M. Kanjariya	18CE011	9979777052	<i>[Signature]</i>
	2			Hardikkumar A. Patel	18CE013	9879784707	<i>[Signature]</i>
	3			Harshitkumar G. Gadhiya	18CE016	9016580815	<i>[Signature]</i>
	4			Kanabhai R. Ulva	18CE019	9737184019	<i>[Signature]</i>
	5			Harpal R. Gadhavi	18CE027	9773294031	<i>[Signature]</i>
20	1*	BVM/CIVIL/2021-22/020 Prof. Jagruti Shah	Smart Water Management towards future water sustainable networks- A Case Study of Smart City Rajkot.	Pratik S. Lathiya	18CE030	9924916818	<i>[Signature]</i>
	2			Nirav A. Dabhi	18CE033	9512084408	<i>[Signature]</i>
	3			Paras R. Panakhaniya	18CE050	7990352938	<i>[Signature]</i>
	4			Devang S. Jadav	18CE035	9925296091	<i>[Signature]</i>
	5			Shrey M. Rana	18CE049	9727500021	<i>[Signature]</i>
21	1*	BVM/CIVIL/2021-22/021 Prof. Jagruti Shah	Effective Utilization of Biomedical Waste for a Greener Tomorrow.	Pradip B. Baldaniya	18CE074	9723098244	<i>[Signature]</i>
	2			Sachin Subhash	18CE075	9601628890	<i>[Signature]</i>
	3			Bharatkumar M. Kanjariya	18CE080	9106569315	<i>[Signature]</i>
	4						
	5						

22	1*	BVM/CIVIL/2021-22/022 Dr. Vishal A. Arekar, Prof. Vishal B. Patel	Design Comparison between RCC & Composite Buildings.	Mohammedfaiz A. Lohia	18CE086	7487074525	<i>[Signature]</i>
	2			Dhruv P. Buch	18CE098	8347490012	<i>[Signature]</i>
	3			Ritesh H. Nakum	18CE102	9510851436	<i>[Signature]</i>
	4			Leena M. Sharma	18CE308	6351609851	<i>[Signature]</i>
	5			NAMAHSHIVAY, R. SHUKLA	18CE036	7434827249	<i>[Signature]</i>
23	1*	BVM/CIVIL/2021-22/023 Prof. Vimesh V. Agrawal	Analysis of Multistorey Building using Special Load Resisting System using STAAD Pro & BIM360 5D Management	VRASHESH V. KARKAR	19CE305	9904741483	<i>[Signature]</i>
	2			ANVAY S. PATEL	19CE309	9428275033	<i>[Signature]</i>
	3			HARSH P. SIDDHPURA	19CE317	9978523622	<i>[Signature]</i>
	4			MONTU, A. SHAHI	19CE322	7096864150	<i>[Signature]</i>
	5			PRATIK N. PARMAR	19CE301	7621009077	<i>[Signature]</i>
24	1*	BVM/CIVIL/2021-22/024 Dr. D. A. Sinha, Dr. Elizabeth George	Experimental Study of Light Weight Structural Concrete	BRJESH B. GAMIT	19CE303	9723604048	<i>[Signature]</i>
	2			RAJESH S. MORI	19CE310	9726249925	<i>[Signature]</i>
	3			SAHIL B. PATEL	19CE314	7698482504	<i>[Signature]</i>
	4			PRAFUL K. VASAVA	19CE320	9574143351	<i>[Signature]</i>
	5			Rajesh Gadara	18CE014	7984449467	<i>[Signature]</i>
25	1*	BVM/CIVIL/2021-22/025 Dr. D. R. Bhatt, Dr. Elizabeth George	Advanced concrete using internal curing agents.	Bhavik Solanki	18CE053	8153959089	<i>[Signature]</i>
	2			Hardik Vaghaniya	18CE060	9537207953	<i>[Signature]</i>
	3			Purjesh Nandaniya	18CE065	9773241931	<i>[Signature]</i>
	4			Dipchand Parmar	18CE066	6354037068	<i>[Signature]</i>
	5			Kalpenkumar D. Dodiya	18CE021	8469440872	<i>[Signature]</i>
26	1*	BVM/CIVIL/2021-22/026 Prof. N. R. Patel	Environmental Engineering, and Transportation Engineering.	Shani H. Vastapara	18CE052	9714421117	<i>[Signature]</i>
	2			Abhishek G. Radadiya	18CE063	7433804998	<i>[Signature]</i>
	3			Tushar P. Karar	18CE090	7285802564	<i>[Signature]</i>
	4			Jay P. Agrawal	18CE096	9998712125	<i>[Signature]</i>
	5			M. Jassal, V. HORA	18CE125	7801940898	<i>[Signature]</i>
27	1*	BVM/CIVIL/2021-22/027 Prof. N. F. Unorigar, Dr. D. A. Sinha	Evaluating the properties of fiber reinforce concrete rigid pavement	KANAIYA G. GOD	18CE314	8200423374	<i>[Signature]</i>
	2			Dharmesh B. Vasava	17CE045	9099034256	<i>[Signature]</i>
	3			Jignesh J. Bhargadiya	17CE109	9512302663	<i>[Signature]</i>
	4			Trishul B. Patel	18CE089	7990022534	<i>[Signature]</i>
	5			Rishabh M. Karmar	18CE109	6354325963	<i>[Signature]</i>
28	1*	BVM/CIVIL/2021-22/028 Dr. S. V. Mevada	Analysis of tall structure subjected to wind load and seismic load using STAADPRO	Jaydeep G. Rathod	18CE112	9016493605	<i>[Signature]</i>
	2			Yash A. Ramoliya	18CE114	9687875954	<i>[Signature]</i>
	3			Gopal M. Badani	18CE117	7096669008	<i>[Signature]</i>
	4			HARSHKUNSHI J. PARMAR	18CE118	7623036979	<i>[Signature]</i>
	5			RUTIK M. PATEL	18CE205	8140498367	<i>[Signature]</i>
29	1*	BVM/CIVIL/2021-22/029 Dr. L. B. Zala	Enhancing public transportation system A case study of smart city	NARENDRA BHAI S. KUNVARA	18CE203	9924991632	<i>[Signature]</i>
	2			UJJVAL BAKANDA	17CE087	9727274501	<i>[Signature]</i>
	3			MANISH ODEIRA	19CE316	7990416077	<i>[Signature]</i>
	4			Sneet K. Bhatnagar	18CE069	6354005901	<i>[Signature]</i>
	5			Ayaz H. Ramani	18CE091	8469623645	<i>[Signature]</i>
30	1*	BVM/CIVIL/2021-22/030 Dr. D. R. Bhatt	i. Geo-techniques, and ii. Design of structure	CHIRAG RATHOD	18CE093	9737223670	<i>[Signature]</i>
	2			Raj K. Vadi	18CE124	9904676280	<i>[Signature]</i>
	3						
	4						
	5						

Birla Vishvakarma Mahavidyalaya (Engineering College)
(An Autonomous Institution)
Fourth Year, B.Tech (Computer Engineering)
Project Expo – 2021-22

Course Code: 4CP33 Course Title: Full Semester External Project
Signature Sheet Date: 13-April-2022

SrNo.	ID Numbers	Student Name	Signature
1	15CP042	Ghanchi Aniket	
2	15CP046	Mehul Rathva	
3	16CP017	Dipesh valvi	
4	17CP028	Nikhil Makwana	
5	17CP045	Rushiraj Bhuvra	
6	18CP001	Jeet Pandya	
7	18CP002	Sharlin Parmar	
8	18CP003	Neha Parmar	
9	18CP004	Arvind Makwana	
10	18CP005	Gaurav Patel	
11	18CP006	Smit Thumar	
12	18CP008	Darshak Gather	
13	18CP009	Akshay Gadhre	
14	18CP010	Vidhi Parmar	
15	18CP011	Nirdosh Gandhi	
16	18CP012	Nikunj Rathod	
17	18CP013	Tanmay Vaidya	
18	18CP014	Deepnil Vasava	
19	18CP015	Jay Mangukiya	
20	18CP017	Rohan Rupela	
21	18CP018	Manav Patel	
22	18CP019	Yash Dholariya	
23	18CP020	Zarana Solanki	
24	18CP021	Rahul Patel	
25	18CP022	Meet Variya	
26	18CP023	Chintan Darji	
27	18CP024	Jaydip Chauhan	
28	18CP026	Bhaves Maru	
29	18CP027	Harsh Upadhyay	
30	18CP028	Dhaval Kamariya	
31	18CP029	Parth Pedhadiya	
32	18CP030	Jeet Vachhani	
33	18CP031	Aarchi Shah	
34	18CP032	Avi Chauhan	
35	18CP033	Bhautik sorathiya	
36	18CP035	Rutvik Bhadani	
37	18CP036	Dhruv Patel	

→ 19CP308 - Manish Sawlani (NMP, BA 7, M.H.) — Conducted Mid 2 on project expo day due to transportation issue.

38	18CP038	Dhruvi Kunvarani	
39	18CP040	Rutvik Vora	
40	18CP042	Mautik Donda	
41	18CP043	Sagar Dodia	
42	18CP044	Jemish Mangukiya	
43	18CP045	Nikunj Pansuriya	
44	18CP046	Shruti Pethani	
45	18CP047	Pavan Gabani	
46	18CP048	Shyam Dobariya	
47	18CP050	Rinkal Tailor	
48	18CP051	Margi Patel	
49	18CP054	Rushil Zala	
50	18CP055	Devansh Shah	
51	18CP057	Kavya Jani	
52	18CP058	Parth Sabhadiya	
53	18CP059	Taukirahmed Khatri	
54	18CP060	Ketul Patel	
55	18CP061	Yash Chhelaiya	
56	18CP062	Savan Sangani	
57	18CP063	Avi PAGHADAR	
58	18CP065	Kirtan Gadhiya	
59	18CP066	Ankur Patel	
60	18CP202	Abhishek Patel	
61	18CP204	Deep Patel	
62	18CP205	Nawaaz Basha	
63	19CP301	Shreya Kapadia	
64	19CP302	Roshani Jawale	
65	19CP303	Shreya Dahwadi	
66	19CP304	Saniya Vahora	
67	19CP305	Harshit Patel	
68	19CP306	Parul Bava	
69	19CP307	Roshani vasava	
70	19CP308	Manish Sawlani	
71	19CP309	Rajdeep Kamani	
72	19CP311	Vivek Parmar	
73	19CP312	MohammedFaiz Mohan	

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Present/
Absent

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cable

Sr. No	Group No.	Student ID	Student Name	Project Title	Faculty Guide	Co-guide
60	35	18EL054	Kavin Shah	GSM BASED SMART HOME	Prof. M P PN	
61		18EL051	Ankit Nandha	GSM BASED SMART HOME	Prof. M P PN	
62	36	18EL047	Dangar Dhruvan	Battery Management System	Dr. K.D. Patel	
63		18EL040	Dhruv Devaliya	Battery Management System	Dr. K.D. Patel	
65	38	18EL023	Ved Bhonsle	Smart Home automation control system	Dr. M S Holia	
66	39	19EL305	Sunil Raval	Automatic toll collection system	Prof. M M M	
67		19EL309	Shaikh Mo. Gayas	Automatic toll collection system	Prof. M M M	
68	40	19EL303	Ruhina R. Vahora	Timer design	Prof. Parul Jain	
69	41	18EL005	Ashruti Hemang Shah	Smart Home automation	Dr. M S Holia	
70	42	18EL055	Vihar Sanjaykumar Par	VLSI Domain (ASIC verification)	Prof. C S Patel	
71	43	18EL001	Hinal Sanjaykumar Ran	Implement DMA controller core which supports AHB lite interface	Prof. C S Patel	
74	45	18EL039	Megha Rajput	Performance Advertising Core Engine	Prof. M P PM	
77	47	18EL007	Darshil Limbad	Gu based chat model	Prof. M P PM	
78	48	18EL043	Harsh Kumar Singh	PLC based Object Recognition using	Prof. C S Patel	
79		18EL058	Vivek Tiwari	PLC based Object Recognition using	Prof. C S Patel	
80	49	18EL034	Swapnil Christian	Face Mask & Temperature Scanning Entry Barrier.	Dr. D M Patel	
81	50	18EL041	Chetan Thakor	Advance microcontroller based smart home automation with wireless technology	Dr. D M Patel	

Sr. No	Group No.	Student ID	Student Name	Project Title	Faculty Guide	Co-guide
6	4	18EL012	Sarwangi Patel	Surveillance Drone using STM32	Dr. Deepak Vala	MP
7		18EL202	Ankita Dhar	Surveillance Drone using STM32	Dr. Deepak Vala	MP
8	5	18EL002	Vasu patel	Auto temperature detector for covid safety	Prof. M M Solanki	NRA
9		18EL006	Ravi parmar	Auto temperature detector for covid safety	Prof. M M Solanki	NRA
12	7	18EL069	Pranjal Chaubey	Crowd Analysis using Deep Learning	Prof. C J Jayaswal	DM
13		18EL077	Kalpan Shah	Crowd Analysis using Deep Learning	Prof. C J Jayaswal	DM
30	16	18EL061	Somyesh Pal	Data gathering system with RFID and ESP 32 and app integration	Prof. M P Prajapati	AAI
31		18EL071	Shaunak Gaikwad	Data gathering system with RFID and ESP 32 and app integration	Prof. M P Prajapati	AAI
40	21	18EL035	Pratibha Singh	Smart water pollution monitoring system	Dr. K.D. Patel	DM
41		18EL203	Sakshi Sharma	Smart water pollution monitoring system	Dr. K.D. Patel	DM
45	24	18EL019	Umang Patolia	Swarm bots	Prof. M P Prajapati	JMF
46		18EL031	Shrey Shah	Swarm bots	Prof. M P Prajapati	JMF
64	37	18EL018	Vahora Mohammad F	Fedge computing on FPGA	Prof. C S Patel	TDF
72	44	18EL065	Mrunal Karnik	DEEP LEARNING FOR AUTONOMOUS D	Dr. M S Holia	DLV
73		18EL075	Raja Bisht	DEEP LEARNING FOR AUTONOMOUS D	Dr. M S Holia	DLV
1	1	17EL022	Prashant Rathva	programmable Logic Controller	Prof M M Khambhalkar	PHI
50	28	18EL067	Sneha Dandekar	Smart Wheelchair	Prof. Ajay Daiya	MP
51		18EL072	Devendra Patel	Smart Wheelchair	Prof. Ajay Daiya	MP
75	46	18EL003	Jay Shah	Facial recognition driven ingress	Prof. Ajay Daiya	MS
76		18EL045	Jay Sharma	Facial recognition driven ingress	Prof. Ajay Daiya	MS

BIRLA VISHVAKARMA MAHAVIDYALAYA
ELECTRICAL ENGINEERING DEPARTMENT
 Academic year 2021-22

PROJECT EXPO 2022

REGISTRATION SHEET

13th April, 2022 (Wednesday)

INTERNAL PROJECTS

Sr No.	Grp No.	Project Title	Name of Student	ID No.	Mobile No.	Signature
1	1	Hardware simulation of numerical relays in power system laboratory	Chintan Pandya	18EE050	7405292235	
2	9	Development of Electrical Engineering Laboratories using PSCAD software	Neel Nayanbhai Shah	19EE304	8140828521	
			Agath Nilesh S.	19EE303	9099963206	
			Mistry Harshit Sanjaykumar	19EE301	7623994332	
3	2	Thyristorised Star / Delta Switch as a Soft Starter for Low Power 3-Phase Induction Motor	Yash tank	18EE017	8200741545	
			Dabhi Yogesh savjibhai	18EE001	9712848794	
			Akash Jivani	18EE009	8469602090	
4	3	Protection of induction motor from over heating and single phasing	Nikesh Satishbhai Rana	18EE044	7043662544	
			Vishalkumar Gohil	18EE042	8469087408	
5	4	Solar maximum power point tracking and forecasting	Het Patel	18EE022	9737618461	
			Jash krushnakant Patadia	18EE030	9737613408	
			Galav Minesh Bhatt	18EE027	8849508186	
6	5	Modeling and analysis of Thermal Management in EV and HEV	Rumit P Patel	18EE051	6355947252	
			Shubh Suthar	18EE032	7600488596	
7	21	E-billing system using smart Energy meter	Jijesh jangid	18EE201	8140131093	
			Thummar Harsh Bipinbhai	18EE037	6354217087	
8	7	Microcontrollerless four quadrant DC motor control	Makvana Kumar boghabhai	18EE055	9265070325	
			Kher Bhagirathsinh R	18EE054	9574292565	
			Rohit bhola	18EE059	6359664229	
9	20	Development of Digital Active and Reactive Power Meters	Parmar Vatsal Hasmukhbhai	18ee006	7984152058	
			Jadav Yuvrajsinh Jitsinh	18EE041	6353598167	
			Detroja Mihir	18EE040	9586126939	
10	6	Remote Monitoring and Control of VFD fed three phase induction motor with PLC and LabVIEW	Kuldeep Vadher	18EE034	6354293499	
			Krupenkumar Vijaybhai Parekh	18EE026	6353925646	

11	8	Design of Rotating machine and FEA analysis using ANSYS	Sohil Zapadiya	18EE053	9687594529	
			Vismay Thakker	18EE039	9879815134	
			Suthar Rahul Hasmukhbhai	18EE046	6359429598	
12	15	Three phase transmission line fault detection and analysis system	Parmar Vatsal Anilbhai	18EE005	8511054149	
			Jaydevbhai Kantibhai Parmar	19EE308	8735006981	
			Sindha Pravinsinh Natubhai	18EE008	7485933990	
13	12	Tan delta Measurement	Vasava Dharmesh Arvindbhai	18EE021	7435837715	
14	14	Leading Power Factor Prevention using thyristor controlled reactor	Dhruv Pokar	18EE023	8128111696	
			Vaibhav achegave	18EE202	7265021584	
			Mukesh Jethva	19EE306	8140015998	
15	16	Power system analysis side using PSCAD	Chaudhari jainish	18EE031	6353497293	
			solanki Mihir	18EE033	7874348462	
			Parmar Hardeep	18EE004	9773157958	
16	17	Smart Dual Axis Solar tracking system	Patel Dakshaykumar Kalpeshbhai	19EE309	7284928825	
			JETHVA DIVYESH PRAVINBHAI	19EE302	7069932096	
			Chavda Jay Kishorbhai	19EE305	9429713268	
17	18	IoT based Battery Monitoring System using NodeMCU and ThingSpeak	Sadiya Meet	18EE058	8849046159	
			Patel Akshitkumar Subhashbhai	18EE048	9574441709	
			Shreya patel	18EE012	6354641016	
18	19	Hardware design of motor (DC or PMSM) control system based on DSP TMS320F28335 or ARM CORTEX M3 (LPC1768)	Punit kateshiya	18EE015	6354876001	
			Kanjarani hardik	18EE056	6353940153	
			Nakaranani Vishal Rameshbhai	18EE052	9978007122	
10	10	Energy Audit and Management	Kartik Khanna	18EE014	6354113586	
			Naimish P. Machchhar	18EE063	9265567023	
			Jhanviba Gohil	18EE045	7778820295	
20	11	Speed and Troque control of IPMSM using MTPA and FW method	Kuldip Patel	18EE011	9687104480	
			Jwalin Raval	18EE020	9426279906	
			Bhakti Thakor	18EE018	9825778986	

EXTERNAL PROJECTS

Sr No:	Grp No:	Project Title	FULL NAME	ID No.	Company for External	Signature
1	EX1	24 x 7 low cost solar charge controller	Vinit Pareshkumar Vaghamsi	18EE003	Panacean Enterprise Ltd	V.P. Vaghamsi
			Jignesh Kiritkumar Dave	18EE007		J.K. Dave
			Mihir Rajeshbhai Pandya	18EE019		Mihir
2	EX2	BLDC dan motor controller	Prince Kirankumar Patel	18EE024	Vision Consultants	Patel P.K.
3	EX3	Solar MPPT based E-bike battery charge controller	Mustufa Munshi	18EE038	Baroda Electric Meters Ltd.	M. Mustufa
			Meet Mehta	18EE057		Meet
			Rushi Rohitbhai Shah	18EE062		Rushi
4	EX4	Solar MPPT Charge controller form CAMPERS battery	DIPEN NARSINH SOLANKI	18EE203		Dipen N.
			Zayd Ismail	18EE204		Zayd
5	EX5	Prediction of solar power generation using multiple parameter	Jeel shah	18EE028	Cognizent	Jeel
			Yash Gajjar	18EE036		Y.H. Gajjar
6	EX6	Design of supply equipment for Electric Vehicle	Rutvi Ssangani	18EE016	VVDN	Rutvi
			Viral Patel	18EE013		V.R. Patel
7	EX7	Optimization and revalidation of maintenance activities using data science and lean tools	Nehant Maskar	18EE029	Adani Transmission Ltd.	Nehant
8	EX8	Transmission line lighting performance improvement	Gaurav Barve	18EE061		Gaurav

Dharita Patel

Project Coordinator

EED, BVM

Industrial Project (4ME31) B. Tech. 8th Semester students (Mechanical) -AY 2021-2022 13 April 2022, Project Expo 2022 Registration/Attendance sheet

Gr. No.	I.D. No.	Name	Contact No.	Signature	Guide	Area of Work
✓	18ME433	Deep Raval	9316694828	Deep	SPJ	Optimization of the process parameters of Superfinishing Process
✓	18ME077	Vikram Suthar	7622836277	Vikram	SPJ	Design & Analysis of Highly Flexible Coupling
✓	18ME062	Viren Jariwala	6354764820	V.R. Jariwala	SPJ	Design & Analysis of Highly Flexible Coupling
✓	18ME038	Zuber Makrani	9624634057	Zuber	RGJ	Gear wheel cost optimization
✓	19ME311	Yash Jaimin Mehta	6351937912	Yash	RGJ	Gear wheel cost optimization
✓	18ME091	Abhishek Khuthiya	9737280309	Abhishek	RGJ	Concept of monitoring and controlling of tool cost
✓	18ME025	Ajudiya Urvesh Kishorbhai	9824172989	Urvesh	HAB	Root Cause Analysis in Leak Radiators
✓	18ME031	Ankitkumar Rameshbhai Chaudhary	8238072604	Ankit	HAB	Development of efficient work study method for higher productivity in Automobile radiator
✓	18ME005	Prajapati Dinesh Sohanbhai	9511318960	Dinesh	BSP/RRP	Design Of Energy Efficient Agitator For Blending.
✓	18ME004	Rana Raj Narandas	7284961402	Rana	MJZ	Thermal
✓	18ME064	Dabhi Sanny Mansukhbhai	8980493250	Sanny	BSP/RRP	Energy & Exergy Analysis of Steam Fired Double Effect Vapour Absorption
✓	18ME059	Chhatbar Hemang Dipakbhai	8511314418	Hemang	JPH	Design & Analysis of waste heat utilisation exchanger for VCR System of cold storage
✓	18ME035	Siddharth Bhayani	7405424607	Siddharth	BSP/RRP	Designing a mechanism for roller assembly
✓	18ME013	Raj Kakadiya	9824867649	Raj	PGC	Automation of Effluent Treatment plant in frozen food industry by using PLC
✓	19ME608	Mahto Vikram Kumar Valmeeki Prasad	9574268261	Vikram		
✓	19ME315	Mangliya Kirti Meghji	9106924570	Mangliya		
✓	18ME081	Akhil Kotadiya	6354896152	Akhil		
✓	18ME087	Dhyey Kagathara	7016800699	Dhyey		
✓	18ME083	Singh Praveen Vinay	7984282896	Praveen		
✓	18ME094	Patel Dhruv Pravinbhai	6359369583	Dhruv		
✓	18ME073	Dhruv Shingadiya	8460811343	Dhruv		
✓	18ME069	Krunal Pitroda	9099383404	Krunal		
✓	19ME304	Jainish Dudhaiya	9601835320	Jainish		
✓	18ME430	Aum Chavda	9099018067	Aum		

Dr. J P Hadiya, Departmental Project Co-ordinator

Minor Project – II (4ME33) B. Tech. 8th Semester students (Mechanical) -AY 2021-2022
13 April 2022, Project Expo 2022
Registration/Attendance sheet

Gr. No.	I.D. No.	Name	Contact No.	Signature	Guide	Area of Work
4	18ME043	Suryavanshi Bhagyeshkumar V.	6354373913	<i>[Signature]</i>	HGK	Experimental Study of Double Slope Solar Still with Rotating cylinder
	18ME049	Pachchigar Deval P.	7698210680	<i>[Signature]</i>		
	18ME029	Kaji Vasimraza Sajidbhai	9974833434	<i>[Signature]</i>		
	18ME054	Bhandari Dharmin Harshadbhai	9033227174	<i>[Signature]</i>		
12	18ME012	Vishvas Suthar	7434849433	<i>[Signature]</i>	VHC	Numerical Investigation of Diesel fuel particle distribution in single cylinder engine
	18ME418	Rushi Patel	9913671557	<i>[Signature]</i>		
	18ME009	Indrajit Patel	6353905096	<i>[Signature]</i>		
	18ME045	Devansh Chavda	7096067578	<i>[Signature]</i>		
15	18ME066	Nayan teraiya	9712210726	<i>[Signature]</i>	VHC	Numerical Investigation of SMD (Sauter Mean Diameter) of Biodiesel for Single Cylinder Diesel Engine
	18ME057	Akshit Pipaliya	8469519031	<i>[Signature]</i>		
	18ME085	Nikhil Sorathiya	8200557823	<i>[Signature]</i>		
	17ME422	Abhishek Gor	7567569941	<i>[Signature]</i>		
17	18ME205	Neeraj N Nair	8866837973	<i>[Signature]</i>	KAP	Study of passive solar heating in house
	18ME033	Jay Mistry	9574640861	<i>[Signature]</i>		
	18ME061	Jyot Sakriya	9737975916	<i>[Signature]</i>		
	18ME027	Bhaveschandra Parmar	7227992586	<i>[Signature]</i>		
26	18ME007	Gosai Rahulgiri Kanugiri	6354501068	<i>[Signature]</i>	UBC	Study of improvement in the Biogas production in the Biogas plant.
	18ME002	Dalwadi Shivam Rakeshbhai	6353717964	<i>[Signature]</i>		
	18ME023	Solanki Prakashkumar P.	7487894246	<i>[Signature]</i>		
	18ME403	Rathod Dhruvankumar R.	6353894039	<i>[Signature]</i>		
28	18ME055	Jatin Gajara	8469268874	<i>[Signature]</i>	KAP	Air Cooling Using Claytubes
	18ME074	Mitul Gamit	6353196538	<i>[Signature]</i>		
	18ME076	Mitalkumar Gamit	8347729094	<i>[Signature]</i>		
	18ME207	Shubham Mahyavanshi	7622048001	<i>[Signature]</i>		
27	19ME309	Makwana Keval B	8200593267	<i>[Signature]</i>	UBC	Heat storage by using Rock (Basalt) material
	19ME301	Makwana Dhaval D	9638498028	<i>[Signature]</i>		
	19ME601	Prajapati Smit Bharatbhai	9978251649	<i>[Signature]</i>		
	18ME417	Sakariya Dhaval	7041837840	<i>[Signature]</i>		
16	18ME415	Dhruvin Mangroliya	9687306172	<i>[Signature]</i>	VDC	Design Modification and Thermal Analysis of Cooling Plate for Battery Module of an Electric Vehicle
	18ME078	Vijay Dharajiya	8980095919	<i>[Signature]</i>		
	18ME096	Keyur Jasoliya	7984327580	<i>[Signature]</i>		
	18ME097	Kishan Gupta	7487968719	<i>[Signature]</i>		
30	17ME066	Heminkumar Upendrabhai Patel	7567943292	<i>[Signature]</i>	MIK	Temperature & water level control system for SWHs
	17ME201	Johnu Varma	8156053921	<i>[Signature]</i>		
	18ME017	Niraj Rana	9104646298	<i>[Signature]</i>		
	18ME202	Nitin Ram Singh	8492085409	<i>[Signature]</i>		
3	18ME021	Desai Taral Kamlesh	9724807330	<i>[Signature]</i>	KBB	Implementation of Blockchain Technology in Supply Chain Management
	18ME024	Vaghani Jay Pravinbhai	6354014240	<i>[Signature]</i>		
	18ME032	Akshit Sanjaykumar Prajapati	8487949528	<i>[Signature]</i>		
	18ME411	Setu Rameshbhai Thacker	9427815082	<i>[Signature]</i>		
18	18ME063	Chandresh Vinubhai Vamja	7698277997	<i>[Signature]</i>	JRK	Design and manufacturing of power generating electromagnetic suspension
	18ME053	Nikunj Balubhai Savaliya	6354029909	<i>[Signature]</i>		
	18ME052	Apurv Rajubhai Prajapati	9727341884	<i>[Signature]</i>		
	19ME308	Vajar Paras Mahendrabhai	9624326290	<i>[Signature]</i>		

29	19ME606	Tarang D patel	9913053313	<i>[Signature]</i>	MIK	IOT Based compressor data monitoring system
	18ME001	Solanki Mayursinh Laxmansinh	6355296926	<i>[Signature]</i>		
	18ME416	Patel harshkumar kalpeshbhai	6353728918	<i>[Signature]</i>		
	19ME316	Yash Nareshkumar Pandya	7575035541	<i>[Signature]</i>		
22	19ME312	Singh Rajdeep Dineshsingh	6354889359	<i>[Signature]</i>	VRS	IOT based water management system for agricultural
	19ME302	Harshal Anilkumar Pitwa	8469123352	<i>[Signature]</i>		
	18ME026	Chhimpri Pratikumar D.	9574538378	<i>[Signature]</i>		
	18ME429	Penil Gandhi	7487800913	<i>[Signature]</i>		
21	19ME603	Divyaraj Chauhan	9106582748	<i>[Signature]</i>	VAP	Design of Surveillance Drone
	19ME604	Shivam Parmar	7862999699	<i>[Signature]</i>		
	18ME436	Ritik Panchal	8306322117	<i>[Signature]</i>		
	18ME030	Jay Prajapati	7283946155	<i>[Signature]</i>		
5	18ME056	Ishan Sandeep Mohite	8758777079	<i>[Signature]</i>	AMT	Localisation and path planning of skid steering drive robot
	18ME405	Pawan Patel	9714483901	<i>[Signature]</i>		
	18ME060	Parth Makvana	8128191681	<i>[Signature]</i>		
	18ME070	Gajjar Kirtan Mukeshbhai	9408331800	<i>[Signature]</i>		
2	18ME072	Galathiya Dipen Dipakbhai	8238274869	<i>[Signature]</i>	HPP	Design and Development of 5 DoF Industrial Robotic Arm
	18ME082	Haria Parth Milan	9374120177	<i>[Signature]</i>		
	18ME431	Prakhar Raval	9687652065	<i>[Signature]</i>		
	18ME037	Priyankumar Vinubhai Kapadia	6354818712	<i>[Signature]</i>		
8	18ME040	Jamil Virendrakumar Panchal	7622935425	<i>[Signature]</i>	CPM	IOT Based Gesture Controlled Wheel Chair
	18ME039	Jainik Manojkumar Patel	7043426060	<i>[Signature]</i>		
	18ME047	Ketul Pradeep Supekar	9157441644	<i>[Signature]</i>		
	18ME046	Patel Ayush Vasanbhai	8734988330	<i>[Signature]</i>		
22	18ME042	Thakkar Manav Bhavesh	9265377179	<i>[Signature]</i>	VJP	Autonomous delivery robot with real time obstacle avoidance
	18ME028	Dalwadi Naitik Hetalkumar	6354498921	<i>[Signature]</i>		
	18ME410	Panchal Parth Jayendrakumar	9687121479	<i>[Signature]</i>		
	18ME051	Mohammed Amaan Shaikh	7043388277	<i>[Signature]</i>		
6	18ME098	Miraj Patel	8460613634	<i>[Signature]</i>	VJP	Autonomous Navigation of six wheeled rover.
	18ME093	Mananmatsuriq Kiyazannu	7202920247	<i>[Signature]</i>		
	18ME412	Ashyam Imtiyaz Hala	9265223843	<i>[Signature]</i>		
	19ME306	Patel Meet Dhavalkumar	7984214770	<i>[Signature]</i>		
1	19ME303	Bhoi Kinteshkumar D.	8140005582	<i>[Signature]</i>	AMT	Synthesis of solar panel cleaning system
	18ME424	Varun Solanki	9898622911	<i>[Signature]</i>		
	18ME434	Krunal Mehta	7016815926	<i>[Signature]</i>		
	18ME414	Justin R George	9426136241	<i>[Signature]</i>		
9	18ME407	Mann Patel	7574970797	<i>[Signature]</i>	JRK	Design and development of Pollution absorbing attachment in Bicycle
	19ME605	Manav Vikramkumar Lotwala	8320237764	<i>[Signature]</i>		
	19ME310	Amish Bharat Thunki	8980418180	<i>[Signature]</i>		
	19ME307	Tanna Kishit Jayendrabhai	9106614036	<i>[Signature]</i>		
11	19ME602	Gajjar Jash Milindra	7698339567	<i>[Signature]</i>	VAP	Design of Fire Assistance and Navigation Device
	18ME425	Kunj Jitesh Visavadia	6354922133	<i>[Signature]</i>		
	18ME435	Harmil J Patel	9408257295	<i>[Signature]</i>		
	18ME420	Mann H Desai	6354871452	<i>[Signature]</i>		
3	18ME423	Harsh A Saraogi	7096701400	<i>[Signature]</i>	DPT	Design and development of road marking and painting machine
	18ME075	Jay Sikligar	9687914078	<i>[Signature]</i>		
	18ME068	Saurabh Chaudhary	7069763095	<i>[Signature]</i>		
	18ME020	Hardik Patel	6354217489	<i>[Signature]</i>		
14	18ME022	Malav Naik	7069214614	<i>[Signature]</i>	CPM	Design and analysis of I.C Engine piston using MMC

1A	18ME036	Kanpariya Sanskar Jaysukhbhai	6353953356	<i>[Signature]</i>	HGK	Analysis of Friction force & Bearing Pressure for Disc Engine.
	18ME010	Ajudiya Kishan Prakashbhai	6354350667	<i>[Signature]</i>		
19	18ME016	Gohil Dharmadeepsinh A.	8347516264	<i>[Signature]</i>	PMT	Development in Centrifugal Pump Impeller's Material
	18ME014	Deep Patel	6353901274	<i>[Signature]</i>		
	18ME401	Mahida Jigneshkumar Rajubhai	9099584749	<i>[Signature]</i>		
	18ME015	Siddharth Patel	7984829579	<i>[Signature]</i>		
20	18ME432	Rohan Patel	9586700753	<i>[Signature]</i>	ABD	Design and Simulation of Universal Joint and Propeller Shaft with composite Material for Toyota Qualis
	18ME084	Rumit kothiya	6353739138	<i>[Signature]</i>		
	18ME089	Kataria Mahesh Maganbhai	8469064900	<i>[Signature]</i>		
	18ME201	Akshay Sharma	9682599604	<i>[Signature]</i>		
	18ME095	Kartik Desai	09427116749	<i>[Signature]</i>		
23	18ME426	Dipak Bapodara	9824978568	<i>[Signature]</i>	HPP	Design and Analysis of Air Receiver for air Compressor System
	18ME086	Jeel Chapani	7228050457	<i>[Signature]</i>		
	18ME058	Janhavi Dhaiphule	9429385912	<i>[Signature]</i>		
24	18ME404	Krunal Rabadia	9426878527	<i>[Signature]</i>	ABD	Design Modification and Analysis of composite leaf spring for tata ace.
	18ME080	Jayesh Modhwadiya	7874985209	<i>[Signature]</i>		
	18ME402	Zenith Piparia	7600848126	<i>[Signature]</i>		
	19ME607	Gatank Kiritkumar Acharya	9537606610	<i>[Signature]</i>		
	17ME418	Tirath Faldu	9428550564	<i>[Signature]</i>		
25	17ME089	Krutarth shah	9081038968	<i>[Signature]</i>	VRS	DESIGN AND ANALYSIS OF SOLAR CLEANING SYSTEM
	18ME018	Raj Rathwa	6354771723	<i>[Signature]</i>		
	18ME413	Harshiv Patel	6353916667	<i>[Signature]</i>		
	18ME206	Lay Bharat Patel	8469307575	<i>[Signature]</i>		
18	18ME203	Dhruvi Upendrakumar	9265043951	<i>[Signature]</i>	VDC	Design and Development of Pneumatic Bumper System
	18ME208	Gadhvi Madhvik Dilipkumar	8153897723	<i>[Signature]</i>		
	18ME008	Lad Kriti Hasmukhbhai	7383531878	<i>[Signature]</i>		

Dr. J P Hadiya, Departmental Project Co-ordinator

Birla Vishvakarma Mahavidyalaya
Department of Production Engineering
Project Expo – 2022
Registration Sheet

GROUP NO.	ID NO.	NAME OF STUDENT	STUDENT SIGNATURE
G1	18PE017	ISHAN GUPTA	<i>[Signature]</i>
	18PE005	RANA CHIRAG	<i>[Signature]</i>
	18PE019	PATEL DHAVAL	<i>[Signature]</i>
	16PE019	NIKHIL PARMAR	<i>[Signature]</i>
G2	18PE027	MOHMADFAIZ ALLARAKHA VHORA	<i>[Signature]</i>
	19PE304	AANAND HINDUBHAI MAKWANA	<i>[Signature]</i>
	18PE006	MOHAMMADAFZALBHAI SALIMBHAI VAHORA	<i>[Signature]</i>
G3	18PE021	JAY DAVE	<i>[Signature]</i>
	18PE003	PARTH RANA	<i>[Signature]</i>
	17PE024	KRUNAL PRAJAPATI	<i>[Signature]</i>
G4	18PE007	SHAH KRUT NIMESH	<i>[Signature]</i>
	18PE012	VASOYA KAMLESH JAYANTIBHAI	<i>[Signature]</i>
	18PE409	KRUTIKSINH RUGHVIRSINH THAKOR	<i>[Signature]</i>
G5	18PE411	BRIJKUMAR R KALOLA	<i>[Signature]</i>
	19PE305	PARMAR NIHARSINH ANOPSINH	<i>[Signature]</i>
	18PE408	MEVADA PRADIPKUMAR VINUBHAI	<i>[Signature]</i>
G6	18PE029	RAJPUT ABHISHEKSINGH KUWAR	<i>[Signature]</i>
	18PE405	AAKASH YADAV	<i>[Signature]</i>
	18PE414	RAIYANI SOHAM KIRITBHAI	<i>[Signature]</i>
G7	18PE402	FAISAL RAZA SAIYED	<i>[Signature]</i>
	18PE412	MOTA BHARGAV DINESHBHAI	<i>[Signature]</i>
	18PE413	AJUDIYA AKSHAY PRAVINBHAI	<i>[Signature]</i>
G8	18PE002	MAYANK SHIYANIYA	<i>[Signature]</i>
	18PE403	PRANAV SHAH	<i>[Signature]</i>
	18PE025	HEMANT VARVARIYA	<i>[Signature]</i>
G9	18PE406	IYER KARTHIK JAMBUNATHAN	<i>[Signature]</i>
	18PE030	VALAKI JAYDIPKUMAR KESHAVBHAI	<i>[Signature]</i>
	18PE004	HATHILA ARPITKUMAR RAMESHBHAI	<i>[Signature]</i>

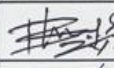
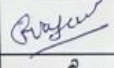
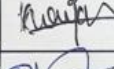
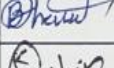
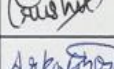
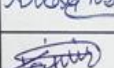
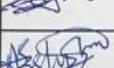
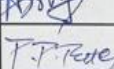
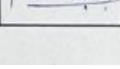
Birla Vishvakarma Mahavidyalaya
Department of Production Engineering
Project Expo – 2022
Registration Sheet

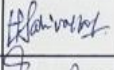
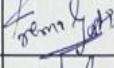

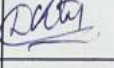
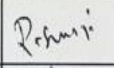

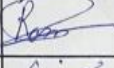
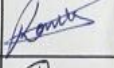
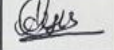
GROUP NO.	ID NO.	NAME OF STUDENT	STUDENT SIGNATURE
G10	18PE018	YADAV GAURAV RAMVILAS	<i>[Signature]</i>
	17PE409	KAKADIA PRANSHAV SURESHBHAI	<i>[Signature]</i>
	17PE408	PANCHAL PRANAY DILIP	<i>[Signature]</i>
	17PE412	VACHHANI JANKHIT KIRITKUMAR	<i>[Signature]</i>
G11	18PE020	MAYUR JAYANTIBHAI SAVANI	<i>[Signature]</i>
	18PE028	DIV TALASHIBHAI PATEL	<i>[Signature]</i>
	17PE026	HARTIK VALLABHBHAI PITHVA	<i>[Signature]</i>
G12	19PE303	BAVLIYA GAURANG JAGADISHBHAI	<i>[Signature]</i>
	19PE301	LAKUM JAYDEEP BHUPATBHAI	<i>[Signature]</i>
	19PE307	BHAVSAR BHAVIN ANILKUMAR	<i>[Signature]</i>
G13	18PE015	VAHORA RAHIL ILYASBHAI	<i>[Signature]</i>
	18PE008	JANI MOHIT BHARATBHAI	<i>[Signature]</i>
	18PE401	PATEL ANUJ PARESHBHAI	<i>[Signature]</i>
G14	18PE010	ARJUN PATOLIYA	<i>[Signature]</i>
	18PE009	UTTAM SORATHIYA	<i>[Signature]</i>
	19PE302	VIPUL CHAUHAN	<i>[Signature]</i>
G15	18PE001	HARSHIL PATEL	<i>[Signature]</i>
	19PE306	JAY VIRANI	<i>[Signature]</i>

Dr. Hardik Beravala
 (Dept. Coordinator)

Birla Vishvakarma Mahavidyalaya Engineering College						
Electronics and Communication Department						
4EC31 PROJECT						
Project Expo 2022 Signature Sheet						
Academic Year 2021-2022						
Date: 13/4/2022, Time: 10:30 am Onwards, Venue: F302A Network Lab						
Sr. No.	TITLE OF THE PROJECT	NAME OF STUDENT 1	NAME OF STUDENT 2	ID NO. OF STUDENT 1	ID NO. OF STUDENT 2	SIGNATURE
1	Stray Animal Replant System	Pratham Barve	N/A	18EC430	N/A	
2	Animal detection and protection system	Rutvik D Maheshwari	Jay B Lakhnotra	18EC451	18EC444	
3	Vine Robots	Pratham Dave	Pranesh Patel	18EC419	18EC426	
4	Smart Fire Fighting Robot	Harsh Dani	Siddhant Pai	18EC435	18EC416	
5	Bank Security Locker System	Vaibhav jain	N/A	18EC414	N/A	
6	Automatic Irrigation System	Prajapati Chintan Prakashchandra	N/A	18EC429	N/A	
7	Cardiovascular Disease Detection using IOT	Fiddle Choksi	Kishan Kacha	18EC401	18EC404	

Birla Vishvakarma Mahavidyalaya Engineering College						
Electronics and Communication Department						
4EC31 PROJECT						
Project Expo 2022 Signature Sheet						
Academic Year 2021-2022						
Date: 13/4/2022, Time: 10:30 am Onwards, Venue: 2nd Floor Foyer						
Sr. No.	TITLE OF THE PROJECT	NAME OF STUDENT 1	NAME OF STUDENT 2	ID NO. OF STUDENT 1	ID NO. OF STUDENT 2	SIGNATURE
1	Automated water-pancake vending machine	Vishwa Kansara	N/A	18EC437	N/A	
2	Home Automation	Sakshi pawar	Astha thaker	18EC751	18EC423	
3	Smart parking with IoT	Jainul Patel	Shailesh Gaonkar	17EC462	17EC465	
4	IoT Driven Manhole Monitoring System	N/A	Amisha Singh	N/A	18EC411	
5	Smart garbage monitoring system	Ridhima sadotra	Deep Patel	18EC752	18EC439	
6	IoT based toll booth system	Sankalp Mane	Nirbhay Chaplot	18EC441	18EC446	
7	IoT based healthcare system	Nish Patel	Niken Makwana	18EC452	18EC436	

Electronics & Communication Department Birla Vishvakarma Mahavidyalaya (Engineering College) [An Autonomous Institution] Subject Code 4EC32 Subject Industry Project Academic Year 2021-2022 Project Expo Signature Sheet, Date: 13/4/2022, Time 10:30 am Onwards, Venue: F302B Digital Electronics Lab					
Sr. No.	ID. No.	Student Name	Project Title	Name of Industry	Signature
1	18EC402	Bhavya Vadher	Security alarm system based on GSM module	Yash World Product PVT LTD, Surat	
2	18EC403	Sagar Vasani	Helperland Website	Tatvasoft, Ahmedabad	
3	18EC405	Khanjan Marthak	SSKIDS (Web Application development on Online classes for kids)	WebsyCode IT Consulting & Services, Ankleshwar	
4	18EC406	Bhavya dadhaniya	Multi Million Gate Implementation using Physical Design	Einfochips (An Arrow Company), Ahmedabad	
5	18EC407	Krushil Mehta	PLC based emergency evacuation system for CNC Machine	Vulcan Industrial Engineering Co. PVT LTD, Anand	
6	18EC409	Arka Ghosh	Speed and Torque control of Brushless DC Motor (BLDC) using ARM Cortex M0+ Microcontroller	Space Application Centre, ISRO, Ahmedabad	
7	18EC410	Rajvir Rathod	Motor Control and Monitoring System	Ishitva Robotics Systems, Ahmedabad	
8	18EC412	Aditya Shah	Augmented Reality Integra with Internet of Things	Hash Media Pvt. Ltd. Ahmedabad	
9	18EC417	Patel Paritosh Pragneshbhai	15Watt Solar Charge Controller Combo	Yash World Product PVT LTD, Surat	

Electronics & Communication Department Birla Vishvakarma Mahavidyalaya (Engineering College) [An Autonomous Institution] Subject Code 4EC32 Subject Industry Project Academic Year 2021-2022 Project Expo Signature Sheet, Date: 13/4/2022, Time 10:30 am Onwards, Venue: F303 Lab					
Sr. No.	ID. No.	Student Name	Project Title	Name of Industry	Signature
1	18EC418	Heramb Dahivalkar	Automated Daily Report Generation	Digiblade Strategic Advisory PVT LTD, Anand	
2	18EC424	Prerna Ajit Gupta	Argusoft's Job Portal	Argusoft, Gandhinagar	
3	18EC432	Vedant Dokania	Lite Motadata - Network Management System	Mindarray System PVT LTD (Motadata), Ahmedabad	
4	18EC434	Dev Patel	Brushless Direct Current Fan	Vision Consultants, Vadodara	
5	18EC438	Rutvik Vasani	Digital Blood Pressure Measurement System	Lifemann PVT LTD, Surat	
6	18EC440	Ashish Pandey	Home Security System	Accenture Solutions PVT LTD, Ahmedabad	
7	18EC448	Ram Tiwary	Automatic Solar Tracker	Central Electronics LTD, Sahibabad	
8	18EC449	Romil Umletiya	AQI Monitoring System (Air Control Index)	Yash World Product PVT LTD, Surat	
9	18EC450	Ayush Prajapati	Smart Home Automation Using STM32	Einfochips (An Arrow Company), Ahmedabad	



BVM ENGINEERING COLLEGE
(AN AUTONOMOUS INSTITUTION)
INFORMATION TECHNOLOGY DEPARTMENT
AY: 2021-22, SEM-II

Project Expo 2022

Student Signature List (Project II 4IT32)

Group No.	ID No.	Name	Project Title	Guide	Signature
G1	18IT469	Soni Kishan	Skin cancer detection	Dr. Zankhana Shah	
	18IT470	Christian Max			
	18IT752	Thakkar Mitej			
	18IT753	Abhishek Dharmendra			
G2	18IT404	Man Desai	Trip Planner	Prof. Bijal Dalwadi	
	18IT410	Parth Panchani			
	17IT419	Jay Patel			
G3	18IT424	Bhavisha Patel	mental health application	Prof. Prachi Shah	
	18IT425	Foram Patel			
G4	19IT610	Maahi Joshi	blind stick	Prof. Vishal Polara	
	18IT457	Hit Bharati			
	18IT442	Yash joshi			
	18IT420	Om Patel			
G5	18IT439	Ishan Patel	Agriculturist chatbot	Dr. Nilesh Prajapati	
	19IT604	Meghavi Soni			
	19IT609	Shreya Gajjar			
G6	18IT418	Vatsal Joshi	custom cpu buidling and buying website	Dr. Vatsal Shah	
	18IT407	Hariti Bhatia			
	18IT460	Gargi Pimplaskar			
	18IT461	Neha Magurkar			
G7	19IT607	Kartik Sharma	student management system	Prof. Dharmesh Patel	
	18IT438	Tarang Mangrola			
	18IT431	Parth Patel			
G8	18IT466	Sagar Bhut	info hunter	Prof. Priyank Bhojak	
	18IT448	Smit radadiya			
	18IT465	Vishw Pandya			
	17IT472	Hashmatullah			



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INFORMATION TECHNOLOGY DEPARTMENT
AY: 2021-22, SEM-II

Group No.	ID No.	Name	Project Title	Guide	Signature
G9	18IT463	Shubham Patel	Food Recipe generation system	Prof. Aneri Patel	
	18IT464	Keyur Patel			
	18IT444	Satyarth Ratnani			
	18IT458	Kishan Thakkar			
G10	16IT442	Mehul Rathod	smart parking system on IOT	Prof. Kanu Patel	
	18IT408	Jeet Kavthiya			
	18IT751	Ritika Pandita			



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INFORMATION TECHNOLOGY DEPARTMENT
AY: 2021-22, SEM-II**

Project Expo 2022

Student Signature List (Major Project 4IT33)

Group No.	ID No.	Name	Project Title	Guide	Sign
1	18IT403	Yash Shaileshkumar maheta	Watcher	Dr. Vatsal Shah	
2	18IT417	Priyanka Jain	Image Enhancement of Cyclone Images of cyclones occurred over Indian territory	Dr. Zankhana Shah	
3	18IT429	Rushikesh Anilbhai Solanki	My Library (Framework : React Native) : This mobile application idea is especially for collage student and librarian's difficulties to manage the records of books and book issue and renewal process.	Dr. Vatsal Shah	
4	18IT402	Aoukshana Chaphekar	APIs for customer onboarding system	Prof. Priyank Bhojak	
5	18IT411	Shah Taksh Gopalbhai	DigiTown	Prof. Priyank Bhojak	
6	18IT467	Khushi Mehta	Data Analytics on Company's Applications	Dr. Nilesh Prajapati	
7	18IT446	Mayur Girdharbhai Jiyani	WotNot- a chatbot building platform	Prof. Bijal Dalwadi	
8	18IT445	Ashishkumar Dobariya	ActivityReminder	Prof. Dharmesh Patel	



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Group No.	ID No.	Name	Project Title	Guide	Sign
9	18IT447	Ritul Bathani	Helperland	Prof. Vishal Poalra	
10	18IT413	Param Shah	Assure Audit	Prof. Priyank Bhojak	
11	18IT415	SONI YAKSH CHETANKUMAR	Helperland	Prof. Vishal Poalra	
	18IT437	Rathod Visvarajsinh Jagatsinh			
	18IT435	Nandasana Hiten Rameshbhai			
	18IT462	Patel Vinit Nileshbhai			
12	18IT441	Jaimin M. Shimpi	Autonomous Driving Simulations Using Computer Vision & Geo-Informatics	Prof. Aneri Patel	
	18IT440	Gruhit S. Patel			
	18IT428	Yash D. Patel			
	18IT421	Hit M. Patel			
13	18IT401	Smit Ghelani	UniOnBoard - the college guide	Prof. Prachi Shah	
	18IT405	Kalp Gohil			
	18IT427	Jigar Shekhat			
	19IT602	Anuj Gajjar			
	18IT436	Trivedi Sneha Ajaykumar			
14	18IT451	Modh Dhruvil Kamleshkumar	AWS - Cloud Data Integration & Analytics	Prof. Bijal Dalwadi	
15	18IT454	Kansara Rutvik Vithalbhai	ADAS HIL System Validation	Dr. Keyur Brahmbhatt	
16	18IT468	Parth Mangukiya	Language transliteration algorithm using NLP	Dr. Zankhana Shah	

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VISION:- "Produce globally employable innovative engineers with core values"

MISSION:-

- Re-engineer curricula to meet global employment requirements.
- Promote innovative practices at all levels.
- Imbibe core values.
- Reform policies, systems and processes at all levels.
- Develop faculty and staff members to meet the challenges.

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