



Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi, Recognized by UGC with 2(f) & 12 (B),

Accredited by NBA & NAAC

REPORT ON VERTECHX 12.0

MVJ College of Engineering organized a National Level Technical Fest “VerTechX 12.0” on 20TH and 21ST December,2024 for students of various Engineering discipline and various colleges to take part and showcase their talents. Different departments organized different events relevant to their discipline. The various events are BUILDCON, Metalica, CADX-Ideathon, Aquabot, Cosmo-Craze, Circuit savvy, Intellicity etc.

Department of Civil Engineering organized an event ‘buildcon-2024’under VerTechX 12.0 on 20/12/2024 . The competition was a airport layout competition where the participants were asked to design a airport 3D model with certain conditions and then the model was judged based on its functionality and feasibility. The event was conducted in ‘DOUBLE LOBBY’.

The event was conducted in 2 rounds. The first round was presentation round where the participants presented their innovative and creative ideas on the model they are making in round 2. In second round the participants were given 4 hours of time to build their airport model.

Judges: Bhuvana S, Dr. Kasi Rekha, Prof. R Muralidhara

Winner

ARAVIND A NAIR
SRAVYA KONANKI
MADHUMITHA H L
ROBIN ROY
(MVJCE)

Runner Up

DHWANI KANSARA
RUTAJIT V
HRIDAY
ANUSHA KULKARNI
(MVJCE)



Department of Mechanical Engineering organized an event 'METALICA-2024' under VertechX 12.0 on 21/12/2024 from 11:30 A.M to 3.00 PM . The competition was a Innovative Model preparation competition where the participants were used scrap materials(different types of metals like sheet metal, Bolt and nuts,etc. to fabricate a model with certain conditions and then the model was judges based on number of materials efficiently used and feasibility. The event was conducted in 'Workshop Lab'.In the event participants were given 3 hours of time to build their model and have to explained about concept.

No of Participants: 40

No of groups: 11

Judges: Mr. Chandhan Inamdar, Dr.Santhosh N.

Winner

Robin Roy- (1st year-EE)
Madumita H L (1st year-EC)
(MVJCE)

Runner Up

Trilok-(ME-5th Sem)
Vineeth Pradeep-(ME-5th Sem)
Suyog -(ME-5th Sem)
(MVJCE)

Department of Mechanical Engineering organized an event 'CADX-Ideathon-2024' under VertechX 12.0 on : 20/12/2024 from 10:30 A.M to 2.30 PM. The competition was a Innovative CAD Model competition where the participants were asked to design a draw 3D model by taking the measurements from the given Model with certain conditions and then the model was judges based on its functionality and feasibility. The event was conducted in 'CAMD Lab room number 43'

The event was conducted in 2 rounds. The first round was modelling using Autocad and Solid Edge software taking the measurements from the given components. In second round the participants were given 2 hours of time to build their own CAD model and have to explained about concept.

No of Participants: 10

No of groups: 10

Judges: Dr.Santhosh N, Dr. Rajeshkumar P.

Winner

Likith Gowda
(MVJCE)

Runner Up

Vihan S bhapuri
(MVJCE)

Department of Electronics and Communication Engineering organized an event 'Aquabot-2024' under VertechX 12.0 on , 20th December 2024 at the MVJ Fountain. The competition was judged by our esteemed alumni Mr. Hariharan M, a senior Software Engineer at Biofourmis The objective of this event is to challenge participants to design and build a robot that can be controlled to follow a predetermined path in water. This event will test students' skills in programming, electronics, and robotics.

Total Registered Participants: 45

The first was secured by Pravin P, from KPRIET, Coimbatore. The cash prize is Rs. 7000

The runners of this competition was Dhanush Kumar S and Balasivakannan, also from KPRIET Coimbatore, The cash prize is Rs.3500

Both the teams were facilitated by the respected Dean of student affairs of MVJ college of Engineering, Dr.Hameem accompanied by the vice principal, Dr.Brindha M.

All other participants were awarded with certificate of participation by the judge.



Fig: The winners and runners of the competition being facilitated by the dignitaries

The Department of Electronics and Communication Engineering organized Cosmo-Craze on the Second day of VertechX 12.0 fest, 21st December 2024 at MVJ Ground, MVJCE. The competition was judged by our esteemed alumni Mr. Chandan S S, Full stack Developer, Eurofins IT Solutions, Bangalore. Robo car racing combines the excitement of motor sports with cutting-edge technology in robotics and artificial intelligence. In these races, autonomous cars equipped with advanced sensors and control systems compete against each other, showcasing the participants engineering prowess and innovative programming. The primary objective of a robo car race is to develop and race autonomous vehicles on a pre-defined track. Participants aim to design, build, and program robo cars that can navigate the course accurately and efficiently, using a variety of sensors and algorithms to handle obstacles and optimize speed. The competition encourages learning and experimentation, making it a dynamic platform for students, hobbyists, and professionals to test their skills and creativity.

Total no of participants-40

The first place was secured by AJ College of Engineering students, a team of two, Shri Ram and Fahad Talkani. The cash prize is Rs. 7000

The runners of this competition were from AJ Horizon College of Engineering, Akash R and Prajwal. The cash prize is Rs. 3500

Both the teams were facilitated by the respected Dean of student affairs of MVJ college of Engineering, Dr.Hameem accompanied by the vice principal, Dr.Brindha M.

All other participants were awarded with certificate of participation by the judge.



Fig: The winners and runners of the competition being facilitated by the dignitaries

The Department of Electronics and Communication Engineering organized PCB Design on the first day of VertechX 12.0 fest, 20th December 2024 at Robo Lab. The competition was judged by our esteemed alumni Mr. Gowrish Banavathi, a specialist at Robert Bosch Engineering. The objective of this event is to encourage participants to showcase their creativity and technical skills by designing a Printed Circuit Board (PCB). The event will focus on the participant's ability to use PCB design software to create functional and optimized circuit designs.

Total Registered Participants: 36



Fig: Participants along with Judge; HoD, Department of ECE; Faculty Coordinators

Winners: The cash prize is Rs. 5000

Avala Ganesh Yadav

Karthik G Badami

Runners: The cash prize is Rs. 2,500

Ashish Ramesh

Sahil Parashram Desai

Both the teams were facilitated by the Faculty Coordinator of ECE department MVJ college of Engineering, L David William Raj.

All other participants were awarded with certificate of participation by the judge.



Fig: The winners and runners of the competition being facilitated by the dignitaries

Department of Electronics and Communication Engineering organized Robo Car Kabaddi. Robo Car Kabaddi is an innovative fusion of traditional Kabaddi and robotics. In this game, autonomous robo cars act as players, using sensors and algorithms to navigate the field, tag opponents, and evade captures. This competition promotes teamwork, strategic thinking, and technological ingenuity, offering a fresh perspective on both robotics and sports. It provides a platform for students, hobbyists, and professionals to experiment with robotics in a fun and competitive environment. The competition was judged by our esteemed alumni Mr. Chandan S S, Full stack Developer, Eurofins IT Solutions, Bangalore. The main objective of Robo Car Kabaddi is to create an exciting and strategic game where autonomous vehicles mimic the traditional game of Kabaddi. The goal is for robo cars to navigate the playing field, tag opponent cars, and return to their home base without getting captured by the opposing team's cars. This unique twist on Kabaddi challenges participants to blend robotics, programming, and strategy.

Total no of participants: 37

The first place was secured by AJ College of Engineering students, a team of two, Shri Ram and Fahad Talkani. The cash prize is Rs. 8000

The runners of this competition were from AJ Horizon College of Engineering, Akash R and Prajwal. The cash prize is Rs. 4000

Both the teams were facilitated by the respected Dean of student affairs of MVJ college of Engineering, Dr.Hameem accompanied by the vice principal, Dr.Brindha.M.

All other participants were awarded with certificate of participation by the judge.



Fig: The winners and runners of the competition being facilitated by the dignitaries

The Department of Electronics and Communication Engineering organized Trace - o - Race on the first day of VertechX 12.0 fest, 20th December 2024 at Smt.Rajalakshmi Seminar Hall. The competition was judged by our esteemed alumni Mr. GowrishBanavathi, a specialist at Robert Bosch Engineering. The objective of this event is to challenge participants to design and build a robot that can autonomously follow a predetermined path. This event will test students' skills in programming, electronics, and robotics.

Total Registered Participants: 56

The first place was secured by MVJ College of Engineering students, a team of two, Aditya Shet and Srikar. The cash prize is Rs. 6000

The runners of this competition were from New Horizon College of Engineering, Kaushik and Ashutosh. The cash prize is Rs. 3000

Both the teams were facilitated by the respected Dean of student affairs of MVJ college of Engineering, Dr.Hameem accompanied by the vice principal, Dr.Brindha M.

All other participants were awarded with certificate of participation by the judge.



Fig: The winners and runners of the competition being facilitated by the dignitaries

The Department of Chemical Engineering organized Aromatica event on December 20th. The event brought together fragrance lovers, creative spirits, and those simply curious about the world of perfumery, Presided by Dr. Venkata Ratnam Myneni under the guidance of Dr. Manish Kumar led by Subhash K N 4th year undergrad. The event started at 1pm on December 20th at CRE lab in the chemical block rules and workflow of the event was explained by subhash and Mythri the team leads. and the event operated smoothly altogether. For the participants, it offered a rare opportunity to learn, experiment, and gain recognition in a highly specialized field. The event also succeeded in bridging the gap between traditional and contemporary approaches to perfumery, fostering a dialogue between established experts and emerging talents. In conclusion, Aromatica was a resounding success, leaving an indelible mark on the world of perfumery. By celebrating creativity, innovation, and craftsmanship, the competition not only honored the traditions of the field but also paved the way for its future evolution. Aromatica was more than just a contest; it was a testament to the power of scent to evoke emotions, tell stories, and connect people across cultures and experiences. Picture-book of workshop

The Department of Electrical and Electronics Engineering organized Circuit Savvy on 20th December 2024 from 11:00 pm to 3:00 pm. Circuit Savvy was an exciting and challenging event that put participants to the test on their foundational knowledge of electrical and electronics concepts. It provided a unique opportunity for students to showcase their problem-solving skills and their ability to implement theoretical knowledge in practical scenarios. The event started at 11:00 PM 20th December, 2024 with student registrations. Total 19 teams registered for the event which include 48 participants. The event ended with

declaration of winners and distribution of participation certificates and cash prize to winners. Cash prize of 5000/- and 2500 were given to the 1st & 2nd place winners accordingly. Students had good opportunity to build innovative ideas to working models. We thank the organizing committee, faculty and student coordinators for grand success of event.

Winners:

1st prize: Munishami H K(1MJ23EE403), Ranganath S(1MJ23EE404) , Samuel D (1MJ23EE407)

2nd prize: Alex Joshua Myers(1MJ21EE005), Kushal S(1MJ21EE014), Abhilash S(1MJ21EE002)

The Department of Electrical and Electronics Engineering organized Intellicity Innovation on 21st December 2024 from 11:00 pm to 3:00 pm. Participants engaged in an AI-driven treasure hunt, solving clues using their mobile devices. QR codes placed at various checkpoints contained AI-generated riddles and puzzles that led teams forward. The objective was to test participants' problem-solving abilities and AI interaction skills. The event ended with declaration of winners and distribution of participation certificates and cash prize to winners. Cash prize of 5000/- and 2500 were given to the 1st & 2nd place winners accordingly.

Students had good opportunity to build innovative ideas to working models. We thank the organizing committee, faculty and student coordinators for grand success of event.

Winners:

1st prize: Manjunath S(1MJ22EE401), Nithin Yadav (1MJ21EE023), Inayath Ulla Khan (1MJ21EE012)

2nd prize: Jiya Pandey(1MJ22CG014), ashish ramesh (1MJ22CS021), Md. Ehtasham Nabi(1MJ22CS116)

A Tech event Cyber Detective was organized by **Department of Information Science** and Engineering and Data Science Engineering on 20th December, 2024 for VertechX 12.O- A National level Tech fest organized by MVJ College of Engineering.

The Cyber Detective event offers participants hands-on experience in digital forensics and OSINT (Open-Source Intelligence). Participants will apply investigative skills in ethical hacking, data analysis, and digital problem-solving to uncover information from publicly accessible sources using forensic techniques and real-world methods. This event is designed for those interested in cybersecurity and digital investigations. The event successfully achieved its goal of enhancing participants' skills in digital forensics and OSINT. Participants

gained valuable experience in ethical hacking, data analysis, and investigative problem-solving.

Total Participants: 23

Participants Qualified After Round 1: 09

Winners: 1st place: MOHAMMED IMDADULLA, SHREYAS G and AYMAN FATHIMA from Presidency University.

2nd place: Bhuvana Shree N, Chithra R and Navin M from MVJCE

The **Department of Information Science** organized another event "Creative Canvas" . This event allows participants to showcase their design skills by creating digital posters and graphics. The event focuses on visual communication, creativity, and branding alignment, giving students a platform to develop impactful designs that resonate with MVJ College's identity.

Total Participants: 25

A Tech event Auto-Py Quest was organized by **Department of Information Science and Engineering** and Data Science Engineering on 20th December, 2024 for VertechX 12.O- A National level Tech fest organized by MVJ College of Engineering.

Auto-Py Quest was designed to test participants on their knowledge of Python and their ability to implement automation solutions effectively and the event attracted Python enthusiasts eager to solve real-world tasks and enhance their problem-solving and debugging skills through innovative approaches to automation.

A event Rage Royale-BGMI Showdown was organized by **Department of Information Science and Engineering and Data Science Engineering** on 20th December, 2024 for VertechX 12.O- A National level Tech fest organized by MVJ College of Engineering.

BGMI Showdown provides a competitive platform for gaming showcase their skills in strategy, communication, and teamwork. This event fosters community spirit among gamers, promoting fair play and healthy competition in a dynamic Battlegrounds Mobile India (BGMI) tournament.

Total Participants: 33

A Tech event Data Analytics was organized by **Department of Information Science and Engineering and Data Science Engineering** on 21st December, 2024 for VertechX 12.O- A National level Tech fest organized by MVJ College of Engineering.

The “Data Analytics Challenge” offers participants a hands-on opportunity to explore the world of data science and analytics. Using tools like SQL and Python, participants will process, analyze, and visualize real-world datasets to uncover actionable insights. This event emphasizes data-driven decision-making, fostering critical thinking, teamwork, and practical problem-solving skills for aspiring data analysts.

Total Participants: 12 teams

Winners: 1st place: Sammed Savadatte, Chinmayanand, Abhishek Puranik and Sathvik P D

2nd place: K Varun Kumar, Rakesh Kumar pandey and Joy Gras Nareddulla Tejeswar reddy
From MVJCE.

The VertechX 12.0 event concluded with an exciting musical night and a DJ performance!

These types of events often provide an energetic atmosphere, helping attendees unwind and celebrate.