



Engineering A Better Tomorrow

An Autonomous Institution
Affiliated to VTU, Belagavi,
Approved by AICTE, New Delhi,
Recognised by UGC with 2(f) & 12 (B)

**XXXIII BOARD OF GOVERNORS MEETING
2nd July 2021**

**HEARTY WELCOME TO THE CHAIRMAN
AND MEMBERS OF BOARD OF GOVERNORS**

PROGRESS HIGHLIGHTS



NBA Accreditation:

NBA accreditation was extended for three years to four programmes, Aeronautical Engineering, Computer Science & Engineering, Electronics & Communication Engineering and Mechanical Engineering from 2021-22 to 2023-24 (up to 30.06.2024) based on the NBA Expert team visit on 13th May 2022.

Founder's Day 2022:

MVJCE has commemorated the Founder's Day on 17th May 2022 at 2 pm, in the Dr. MV Jayaraman Auditorium, heralding the 95th Birth Anniversary of Dr. M V JAYARAMAN – Founder and Mentor of MVJ Group of Institutions.

The Chief Guest was Dr. B. N. Suresh, Chairman, Board of Governors, Chancellor & Founder Director, Indian Institute of Space Science and Technology, Thiruvananthapuram.

Awards to Students:

- ✓ Gold Medals were awarded to 7 VTU rank holders.
- ✓ Cash prizes and certificates were given to 5 College toppers of all the years.
- ✓ Cash prizes and certificates were given to 36 student toppers.

Awards to Faculty:

- ✓ Cash prizes and certificates were given to 11 faculty, for best paper publications in the journals indexed in Scopus and Web of Science, with high impact factor.



New Lab established in Aerospace Engineering Department:

Aerospace Propulsion Laboratory has been established in the department of Aerospace engineering with an investment of Rs 15 Lakhs. Experiments can be conducted safely upto 2000 psi pressure. Students of the Aeronautical and Aerospace Engineering departments can perform real-time experiments with different propellants and grain shapers.

IP Awareness Program:

MVJCE has organized an IP Awareness/Training Program under National Intellectual Property Awareness Mission. It was jointly organised by the Intellectual Property Office and the Ministry of Education's Innovation Cell, India on 29th April 2022.

Students' Achievements:

Department of Chemical Engineering:

Ms Vaishnavi K Pai, Ms. Manasa B N and Ms. Harshitha V, 8th semester students, from Department of Chemical Engineering have won a Cash Prize of Rs.10,000/- for presenting Poster at 6th National level Techno Exhibition - 2022 on the topic "Parthenium Mediated Synthesis of Lanthanum Oxide Nanoparticles for the Effective Degradation of Methylene Blue - A Novel Approach" Organised by Dr. Ambedkar Institute of Technology, Bangalore, on 13th April 2022.

Department of Information Science & Engineering:

Mr. Shashank from 6th semester ISE has participated in Front end development competition in June 2022 organized by Vemana college of Engineering, Bangalore and won 1st prize.

Conduction of Guest Lectures/Webinars/FDPs:

Department of Aeronautical and Aerospace Engineering:

- organized a Career Guidance Program on 'GATE Aerospace" on 30th April 2022 in association with Aerospace Engineering, Mr. Hero Hemaraj, Senior Data Scientist, General Electric (GE) Aviation, Bangalore was the Resource Person.

Department of Chemical Engineering:

- Organized a Guest Lecture on "Art of Literature Review in Research Work" by Dr. Ujwal S Meda, Assistant Professor, Department of Chemical Engineering, RVCE, Bangalore, held on 19th April 2022.
- Organized a Guest Lecture on "Chemical Engineering - Setting out to explore a field used more but known less" by Prof. Anupama V Joshi, Assistant Professor, Department of Chemical Engineering, RVCE, Bangalore, held on 22nd April 2022.
- Organized a Skill Development Programme on "Insights into Analytical Instrumentation of the Future" Dr. K J Balasubramani, Founder Director, Chariton Research Institute Pvt Ltd., Bangalore, on 18th May 2022.
- Organized an Outreach Activity on "Unravelling the World of Chemical Engineering" for the MVJ PUC students on 4th June 2022.

Conduction of Guest Lectures/Webinars/FDPs

Department of Computer Science & Engineering:

- Organized a Guest Lecture on 'Linux Programming' on 27th May 2022. The resource person was Dr. A.Syed Mustafa, Professor and HOD, Department of ISE, HKBK college of Engineering, Bangalore.
- Organized a seminar on "Recent Trends in Advanced Cloud Computing" on 11th June 2022. The resource person was Mr Girish Sainath, Technical Architect, DevOps, Accenture, Bangalore.

Department of Electrical and Electronics Engineering:

- Organized a Guest lecture on "Electric Drives Control with Microcontroller" on 4th June 2022. The resource person was Mr. Naveen Kumar E, Test Lead ABB, Bangalore.
- Organized a Guest lecture on "Electric Vehicles Impact on Grid and Entrepreneurship Opportunities in EVs" on 17th June 2022. The resource person was Mr. Vineeth Muthanna, Co-Founder and Technical Head of Switch Mobility, Bangalore.

Conduction of Guest Lectures/Webinars/FDPs:

Department of Mechanical Engineering:

- Organized a seminar on “The future of manufacturing – Metal Additive Manufacturing” on 30th April 2022 in association with ISTE Chapter of MVJCE. The resource person was Dr. T Ramprabhu, Deputy Director, and Senior Scientist, DRDO, Bangalore.

Department of Chemistry

- Organized a guest lecture on “Water treatment-Science and application” on 23rd June 2022 by Mr. Bhaskar Sharma, director Bisineer Engineering (India)Pvt Ltd, Bangalore.

Technical club activities

Department of Computer Science & Engineering

club Activity on "Design IT" held on 30th April 2022.

Department of Chemical Engineering:

club activity, "Chemfusion" on 1st June 2022.

Department of Electrical and Electronics Engineering

club activity on "IoT Application for Automation" held on 2nd June 2022. The Chief Guest of the occasion was Mr. Aman Tripathi, Test Lead in ABB, Bangalore

Department of Mechanical Engineering

Club activity on "Technical Poster Presentation competition" held on 4th June 2022. The Chief Guest: Dr. Shashidhar S, Collins Aerospace India Ltd.

Department of Artificial Intelligence and Machine Learning

Inaugurated the AI & ML Club - 'TENSOR' on 28th June 2022. The Chief Guest was Mr Aniket, General Manager, Cyber- Defense Education, Great Learning, Bangalore.

Workshops and Conferences

Department of Chemical Engineering:

- Organized a 1-day workshop on “The Art of Literature Review- Theory and Practice” for pre-final and final year students of all Engineering branches of our institution on 10th May 2022. A total of 311 students have participated. The resource person was Dr. Ujwal S Meda, Assistant Professor, Department of Chemical Engg., RVCE, Bangalore
- Organized a 1-day workshop on “Development and applications of CFD Technology in Chemical & Mechanical Engineering industrial problems”, for pre-final & Final year Chemical and Mechanical Engineering branches, on 3rd June 2022. A total of 100 students have participated. The resource person was Mr.Pratik Pande, Technical staff member, M/s Applied Materials India Pvt Ltd.

Department of Civil Engineering:

- Organized a one-day Workshop on “Application of SketchUp in 3D Modeling” held on 8th June 2022, Mr.Nawaz Pasha, Chief Managing officer, CADD Centre, K.R Puram, Bangalore. Trained students on tools used in SketchUp, 80 students and faculty members of the Department of Civil Engineering participated in the Workshop.

Workshops & Conferences

Department of Electronics and Communication Engineering:

- Organized Pre-Conference Workshop on 'International Conference on Design Innovations for 3Cs: Compute - Communicate – Control', on 4th June 2022" a total 300 students are participants.
- Organized International Conference on Design Innovations for 3Cs: Compute - Communicate – Control', on 24th & 25th June 2022. Dr Rathna & Prof. Anandi Giridharan from Dept. of ECE, IISc. were invited to deliver the keynote address.

Department of Electrical and Electronics Engineering

- Organized a 5-days short term training program on "Energy Management Challenges in Smart Cities" from 23rd to 28th April 2022.
- Organized a 3-days short term training program on "Industrial Automation using PLC and SCADA" from 9th to 11th June 2022.

Industrial Visits

Department of Aeronautical Engineering

- Organized an Industrial visit on 27th & 28th May 2022 to Engine Division, HAL (BC) for 8th semester A-Section students of Aeronautical Engineering.
- Organized an Industrial visit on 10th & 11th June 2022 to Engine Division, HAL (BC) for 8th semester (Sec B) students of Aeronautical Engineering.

Department of Chemical Engineering:

- Organized a one-day visit to M/s. Khanal Foods Pvt Ltd, Mahadevapura, Bangalore, on 30th April 2022.

Department of Civil Engineering:

- Organized a one-day Industrial Visit to Geological Survey of India (GSI), Bangalore on 18th May 2022. The students from 6th semester are participated in this visit.
- Organized a one-day Industrial Visit to Research Centre and Technology, Bangalore, on 18th May 2022. Students from 4th and 8th semesters of the department are participated in this visit.

Industrial Visits

Department of Computer Science & Engineering

- Organized a one-day Industrial visit to “UR Rao Satellite Centre”-Bangalore for 4th Semester students on 18th May 2022.

Department of Electronics and Communication Engineering

- Organized a one-day Industrial visit to “UR Rao Satellite Centre”-Bangalore for 6th Semester students on 26th April 2022.

Department of Electrical and Electronics Engineering

- Organized a one Industrial visit to Hoodi Substation for 4th semester students on 20th May 2022

Department of Mechanical Engineering

- Organized a one-day Industrial visit to Moog India Technology Centre Pvt Ltd, Electronic City, Bangalore for 6th Semester students.

Certification courses by students

Department of Electronics and Communication

- Ms. Ashwini Bal L Completed AI MASTER CLASS at Prolabs India Pvt Ltd from 30th Aug to 29th Sept 2021
- Ms. Monica Singh has Successfully Completed NPTEL Course on Python for Data Science during July-August 2021.
- Ms. Vinutha P Hiremath has completed the applied course on “Machine Learning - Linear Regression” on 2nd Oct 2021.
- Mr. Junaid has completed Training on Network Ethical Hacking for beginners by Udemy academy on 4th Sept 2021.

Certification courses by students

Department of Chemical Engineering:

- Ms. Bhargavi M N, Mr. Srihari NK, Ms. Sinchana R and Mr. Vikas B K of 8th semester B.E. students, Department of Chemical Engineering, have successfully completed the NPTEL Online Certification Course on “Aspen Plus Simulation Software- a basic course for beginners” during Jan-April 2022.

Department of Electronics and Communication Engineering

- Mr. R Anuvindh has completed the 12 Week NPTEL Course on “Fuzzy Sets, Logic and Systems & Applications” during Jan-April 2022.

Students' Projects

Department of Chemical Engineering:

- Ms. Maithri G, Mr. Khaja, Ms. Nikitha Y V, of 8th semester students have received Rs. 12,000/- for the project titled "3D structured hybrid-graphene oxide aerogel as a super adsorbent for wastewater treatment", by KSCST, on 26th April 2022.
- Mr. TV Karthik, Mr. Manjunath, Mahalakshmi, Anusree, of 8th semester students have received Rs. 5,000/- for the project titled "Mass production of low-cost potable water purification and desalination under Student Project Grant-2022 by Indian Institute of Chemical Engineers, Bangalore on 14th June 2022.
- Mr. Vikas B K, Archana M S, Sinchana R, 8th semester students have received Rs. 5,000/- for the project titled "Synthesis of renewable, transparent and nanocellulose-based polymeric films from biomass for food packaging applications" by Indian Institute of Chemical Engineers, Bangalore on 14th June 2022.

Students' Projects

Department of Computer Science & Engineering

- Mr. Saurav Singh, Mr. Shibayan Bhattacharjee, Mr. Shabaz Mallick, Mr. Sahil, of 8th semester students have received Rs. 3500/- for the project titled "Virtual Police Station and save our souls (SOS) by Karnataka State Council for Science and Technology (KSCST), on 26th April 2022.

Department of Mechanical Engineering

- Mr. Imam Basha P, Mr. Udaysimha V, Mr. Purushotham M, have received Rs. 8,000/- for the project titled "Design and Development of Medical Drone Compartment" by Karnataka State Council for Science and Technology (KSCST), on 26th April 2022.

Paper Presentations by Students

Department of Chemical Engineering:

- Mr. Abhishek, Mr. Adil A Rehman, Bhargavi M Naik, Mr. Abraham, Monisha A, of 8th semester students, from the Department of Chemical Engineering, presented a Paper in the International Virtual Conference on “Advances in Chemical & Biochemical Technology for Sustainable Development” (ACBMT-2022) organized by Department of Chemical Engineering, HICET, Coimbatore, Tamil Nadu on 6th May 2022.
- Ms. Aastha P, Ms. Preetha C, Ms. R Prathibha, Mr. M Prathap Kumar, Ms. S G Manjushree, V UdayaKumar & Prashanth S, presented a paper on “Cobalt oxide nanoparticles based carbon electrode for the detection of residual nitrite in the soil of agricultural fields” Materials Research Innovations, Taylor and Francis.

Department of Electrical and Electronics Engineering

- Mr. Nikhil M, Ms. Ruchitha B N, Ms. Pooja Reddy, Mr. & Ravinanad M P, published a paper on “Frequency Control of Renewables/Biodiesel/Biogas/Battery Energy Storage Based Isolated Microgrid Using the Honey Badger Algorithm”, in 4th International Conference on Energy, Power and Environment (ICEPE-2022), from 29th April to 1st May 2022, NIT Meghalaya.

Paper Presentations by Faculty Members

Department of Aeronautical Engineering:

- Dr. P. Arunagiri, Dr. Vijayakumar, M. Ayesha Khan, presented a paper on “Structural analysis and materials deformations of landing gear”, Materials Today: Proceedings, ISSN: 2214-7853. Published on 21st April 2022. (Scopus Indexed)
- Mrs. Surekha, Dr. Rajasekar R presented a paper on “Study of wake characteristics behind an oscillating NACA 0012 airfoil in deep dynamic stall regime”, Aircraft Engineering and Aerospace Technology, ISSN: 0002-2667, published on 26th April 2022 in (SCI Indexed)

Department of Computer Science & Engineering

- Mr. T Rajan & Dr H Shaheen presented a paper on “Key word Search with Access Control Over Encrypted Cloud Data”, Chinese Journal of Geotechnical Engineering, Vol:44, issue: 04.05.2022, ISSN: 1000-4548, DOI: 10.11779/CJGE202204.12.
- Dr H Shaheen presented a paper on “Information Based Image Extraction with Data mining Techniques for Quality Retrieval”, 10th International conference in Recent Trends in Computing, 2022.

Paper Presentations by Faculty Members

Department of Chemical Engineering

- Dr. Ramakrishna G V S, ASP, Department of Chemical Engineering, presented a paper on “A Comprehensive study of optical biosensor for the detection of pesticide” in the International Virtual Conference organized by Dept of Chemical, Hindustan College of Arts & Science, Coimbatore, Tamil Nadu on 6th May 2022.
- Mr. Samraj S, A P, Department of Chemical Engineering, presented a paper on “Detection of organophosphate pesticide using Electrochemical biosensor” in the International Virtual organized by Dept of Chemical, Hindustan College of Arts & Science, Coimbatore, Tamil Nadu on 6th May 2022.

Paper Presentations by Faculty Members

Department of Information Science & Engineering

- Mr. Kumar R, Dept. of ISE has published a paper on "Identification of cancer using Machine Learning Model, The Seybold Report, DOI 10.5281/zenodo.6637102 in June 2022.
- Dr.S.Anthoniraj, Dept. of ISE has published a paper on "Temperature Influence on Dielectric Tunnel FET Characterization and Subthreshold Characterization of Silicon" Springer, <https://doi.org/10.1007/s12633-022-01776-7>, April,2022.
- Dr.S.Anthoniraj, Dept. of ISE has published a paper on "Optimal Design and Performance Analysis of Vertically Stacked Nanosheet Tunnel Field Effect Transistor Silicon" Springer, <https://doi.org/10.1007/s12633-022-01829-x>, April,2022.

Department of Mechanical Engineering

- Dr.Santhosh N & Dr.Shankar G, published a paper on "Effect of aging on the biopolymer composites" WILEY Publications, Q1 Journal, Volume 43, Pages 1:1-11, 2022, Online ISSN:1548-0569 DOI: <https://doi.org/10.1002/pc.26708>

Paper Presentations by Faculty Members

Department of Chemistry

- Mrs. Swati Lal, & Dr. UdayaKumar V, published a paper on “Reduced Graphene Oxide wrapped Copper Zirconium Oxide as a multifunctional visible-light-sensitive catalyst for advanced oxidation of pollutants and CO2 reduction,” Journal of Environmental Chemical Engineering, Volume 10, Issue 3, June 2022, 107679 DOI :<https://doi.org/10.1016/j.jece.2022.107679>
- Dr. M. Madhukara Naik, Dr. V. Udaya Kumar, G. Preethi, & M. Prathap Kumar published a paper on “ A green synthesis of nickel ferrite nanoparticles using Tamarindus Indica seeds for magnetic and photocatalytic studies,” Nanotechnology for Environmental Engineering, DOI: [10.1007/s41204-022-00257-x](https://doi.org/10.1007/s41204-022-00257-x)

FDP /Seminar/ Workshop attended by Faculty:

Department of Aeronautical and Aerospace Engineering:

- Mr Arun Kumar K, AP in Aerospace Engineering Department attended 3- day FDP program from 28th to 30th April 2022 on the topic “Recent Trends in Thermal Engineering” organized by RNS Institute of Technology, Bangalore.
- Ms Ayesha Khan M, AP in Aeronautical Engineering Department attended 5- day FDP program from 9th to 13th May 2022 on the topic “An overview of teaching techniques in Computational Fluid Dynamics” offered by VTU –HRDC

Department of Electrical and Electronics Engineering

- Mrs. Nikitha B N, AP in Department of Electrical & Electronics Engineering attended 8-days workshop on “Research Potential in Advanced Power Electronics” conducted by NIT Warangal from 23rd to 31st May 2022.

FDP /Seminar/ Workshop attended by Faculty:

Department of Computer Science & Engineering

- Mrs. Navya V K, A P in CSE has completed the semester-long faculty development module conducted from January to May 2022 on “Effective teaching of Introduction to Programming” organized by IITD, supported by ACM, India.
- Mrs.Helena, A P in CSE has completed the AICTE- VTU Joint training programme for Teachers on “An overview of Teaching Techniques in Data Science and Analytics” from 25th to 29th April 2022.
- Dr.Sudhan. M.B, Associate Professor, in AI & ML attended the workshop in “Academic writing for Research” organized by ISE, HKBK college of Engineering, in association with ISTE from 28th April to 2nd May 2022.

FDP /Seminar/ Workshop attended by Faculty:

Department of Information Science & Engineering

- Ms Ramakalyani attended a Five-Day FDP through (Online) on “ICT Tools for Innovative Teaching & Learning Process” conducted by the Department of Information Science & Engineering during 28th March – 1st April 2022 at RV Institute of Technology and Management, Bangalore
- Ms Ramakalyani attended a One Week AICTE – VTU Joint Teachers Training Programme on “An Overview of Teaching Techniques in Data Science and Analytics” from 25th to 29th April 2022 organized by VTU Human Resource Development Centre (VTU - HRDC), Centre for PG Studies, Muddenahalli, Chikkaballapur.
- Ms Ramakalyani attended a 2 Day FDP on Advanced Engineering Application Development from 24th to 25th April 2022 organized by Vellore Institute of Technology, Andhra Pradesh.



Invited Lecture(s) by Faculty:

Dr. Sunil Shankar Waddar, Associate Professor, Dept. of Mechanical Engineering has delivered expert talk on “Systematic Literature Review for Research” at Nitte Meenakshi Institute of Technology, on 17th June 2022, Time: 12.00 to 01:00 pm (virtual mode).

Proposals Submitted to Funding Agencies

SI.No.	Dept.	Faculty Name	Title	Agency	Date of Submission	Amount in Rs.	Status
01	ECE	Dr. Utsab Banerjee	Design and Development of a Circularly Polarized Dielectric Resonator Antenna incorporating RF Energy Harvesting for Satellite Communication Applications	U R Rao Satellite Centre (URSC), ISRO Bangalore	15.04.2022	12,20,000	Under Review
02	EEE	Dr. Soumya Mishra (PI) Mr. Rajarajan R (Co-PI) Dr. Galiveeti Reddy (Co-PI)	Design and Development of Off-road Electric Skate Board	Core Research Grant, SERB, New Delhi	04.05.2022	18,58,000	Under Review
03	ME	Dr. Sunil S Waddar (PI) Dr. Santhosh N (Co-PI)	Development and Integration of Composites Tufting Module in FEAST Software	Vikram Sarabhai Space Centre, ISRO	13.05.2022	11,29,080	Under Review

Proposals Submitted to Funding Agencies

SI.No.	Dept.	Faculty Name	Title	Agency	Date of Submission	Amount in Rs.	Status
04	ECE	Dr. Ajith A S (PI)	Design and evaluation of a suitable modulation system for high data rate, low power, and mass in the satellite communication system	U R Rao Satellite Centre (URSC), ISRO Bangalore	19.05.2022	10,00,000	Under Review
05	ECE	Dr. Utsab Banerjee (PI) Dr. M. Krishnasamy (Co-PI)	Simulation of SOTM tracking and control algorithms and its implementation	U R Rao Satellite Centre (URSC), ISRO Bangalore	15.06.2022	7,85,440	Under Review
06	ECE	Dr. Utsab Banerjee (PI) Dr. M. Krishnasamy (Co-PI)	Design and Development of Oven-controlled MEMS (Microelectromechanical Systems) Resonator.	U R Rao Satellite Centre (URSC), ISRO Bangalore	15.06.2022	5,67,440	Under Review



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Thank You