MVJ COLLEGE OF ENGINEERING
Since 1982
Engineering A Better Tomorrow

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

Progress Highlights

HEARTY WELCOME TO THE CHAIRMAN AND MEMBERS OF GOVERNING COUNCIL

XXX GOVERNING COUNCIL MEETING
19th JUNE 2021

VTU Ranks for 2019-20

Our students have bagged 14 ranks including 3 gold medals in UG and 1 gold medal in PG, in the University Examinations of 2019-20.

Sl.No.	USN	NAME	Branch	RANK
1	1MJ16AE096	SHIREEN NAAZ	B.E. AERONAUTICAL ENGINEERING	1 (Gold Medal)
2	1MJ16AE087	SAHANA R		2
3	1MJ16AE020	B. THEERTHA BHEEMAIAH		3
4	1MJ16AE010	AKKAMAHADEVI N. D.		5
5	1MJ16AE012	AMAN SONI		8
6	1MJ16AE107	SUSHMITHA K.		10
7	1MJ16CH046	SUMASHREE S	B.E. CHEMICAL	1 (Gold Medal)
8	1MJ16CH003	ABDULLA MURSID B. M.		2
9	1MJ16CH013	ARJUN KUMAR A.		6
10	1MJ16CH023	DHANUSH PENDURTHI		7

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Sl.No.	USN	NAME	Branch	RANK
11	1MJ16ME105	T. M. VAISHNAV PRABHU	B.E. MECHANICAL ENGINEERING	7
12	1MJ16ML005	KAVERI S. HEBBAL	B.E. MEDICAL ELECTRONICS	1 (Gold Medal)
13	1MJ16ML018	VARSHA B. T.		2
14	1MJ16CTE06	KUSUMA D.	M. Tech – CTE	1 (Gold Medal)

'Dr. M. V. Jayaraman Memorial Gold Medal' to student of B.E. in Aeronautical Engineering who secured highest marks, is awarded to Shireen Naaz, 1MJ16AE096. CGPA: 9.07

'Dr. M. V. Jayaraman Memorial Gold Medal' to student of M Tech. in Aeronautical Engineering who secured highest marks is awarded to Akshatha. S., 1MJ18MAE01. CGPA Scored: 9.23

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New Courses

- MVJCE has applied to AICTE and VTU to start new course B.E. in Computer Science & Design and Industrial IOT from Academic year 2021-22.

Founder's Day 2021:

- The 94th Birth Anniversary of our Founder and Mentor of MVJ Group of Institutions, Dr. M V Jayaraman, was celebrated on 17th May 2021.

- There was an award distribution ceremony for all VTU Rank holders, Student Toppers of MVJCE for the academic year 2019-2020, and published papers in reputed national and international journals.

Achievements of Alumni:

- Ms. Aashritha Olety (Alumnus -AE, 2008-2012), is the first and only woman in the IAF qualified for the role, and as a flight test engineer and graduated as a part of the 43rd Flight Test Course.

- Mr. Vikash Das (Alumnus – ISE, 2006-2010), Founder of Vat Vrikshya, is listed in prestigious 40 under 40 list of Fortune Magazine for the year 2021.

Toycathon 2021:

- Toycathon 2021 is an inter-ministerial initiative organized by Ministry of Education's Innovation Cell with support from All India Council for Technical Education, Ministry of Women and Child Development, Ministry of Commerce and Industry, Ministry of MSME, Ministry of Textiles and Ministry of Information and Broadcasting.

- 87 Nodal centres are identified by AICTE to host Toycathon. Our college is selected as one of the Nodal Centres to host Toycathon in Digital mode and Physical mode.

- 20 teams are allotted for Digital mode and 10 teams are allotted for Physical mode.

- Toycathon in Digital mode will be conducted from 22nd to 24th June 2021.

- Dates for Physical mode will be announced later because of lockdown and restrictions in travel due to pandemic.

Host Institute for Implementing MSME's Scheme:

- Our college is recognized as Host Institute for implementation of the scheme 'Support for Entrepreneurial and Managerial Development of MSMEs through Incubator' by Ministry of Micro, Small & Medium Enterprises, Government of India..

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Student's Achievements

15 Student teams have participated and presented their paper in the Young Scientists Conference of India International Science Festival (IISF) 2020 in the virtual mode from 22nd Dec to 25th Dec 2020.
Rs. 5000 was awarded to all these teams as an appreciation by our college.

Sl. No.	Dept	Title of the Abstract	Student who presented in the Conference
1	AE	Acoustic, Magnetics & Vibration induced Smart Agricultural Methods and Devices	Pavan A
2	CH	Effective Utilization of recycled PET for preparing super absorbing matrices for oil spillage	Ayana, Kaviya S
3	CH	Explication of biosynthesis of carnosic acid-A novel approach	Vaishnavi K Pai T V Karthik
4	CH	Extraction of Copper and CNTs by Pyrolysis of PCB Waste-A Self-Sustained Method	Manasa B N Harshitha
5	CH	A comprehensive review on novel catalytic technique in cracking unit of a petroleum refinery	Abhishek

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Student's Achievements – contd.

Sl. No.	Dept	Title of the Abstract	Student who presented in the Conference
6	CH	Removal of pathogens from the surface of fruits and vegetables by using the principle of cavitations	Ajay Guttedar
7	CH	Bio-adsorbent facilitated antibiotic removal from wastewater	Chavali Sri Sannihita
8	CH	Assessment of renewable alternatives to coal based on high heating value and global warming potential	V Dhivakhar
9	CSE	Yoga Pose Assessment for Self-Learning	Deepti Singh
10	CSE	IOT Cloud Based Restaurants	Nikitha Gajjala

Student's Achievements – contd.

Sl. No.	Dept	Title of the Abstract	Student who presented in the Conference
11	CSE	Topic – Online Voting System Using Firebase ML tool Kit	Anupama
12	CSE	Sign Language Interpreter Using Machine Learning	Gana Shree VN
13	CSE	Face Mask Detection with Deep Learning	Abhishek Shaw
14	ME	Design and Fabrication of Helmet with Natural fiber reinforced in Epoxy Composite	Karthik G
15	ME	Road Safety Solution for Drunk Driving	Shivalinga N

Student's Achievements – contd.

Yukti 2.0:

- An initiative of Innovation Cell of Ministry of Education. Students, faculty and start ups can submit their innovative ideas. Networking opportunities, pitching ideas before the investors, mentor and funding support are some of the opportunities provided to the selected team.

- 180 Projects were shortlisted in first round and 74 projects are shortlisted for the second round all over India. Ours is only the College in Karnataka whose Five teams have been selected.

➢ Stair climbing wheelchair for disabled people by Mohammed Zaid, Manohar TR, Mithun Kumar, Manoj BV of Final year Mechanical Engineering.

➢ Bio-composite Helmet by Channaveer, Karthik G, Manoj Kumar S, Mohammed Arifulla S of Final year Mechanical Engineering.

➢ Acoustic Agriculture by Pavan A, Venu K S and Yeshwanth R of final year Aeronautical Engineering and Harsha S of final year Electronics & Communication Engineering

➢ Smart Airify by Shebin Joseph of second year Computer Science Engineering

➢ Farm Tech by Manjunath R of third year Mechanical Engineering, Ganapathi N A, Ganesh Babu R of third year Electronics & Communication Engineering, Roshan Jose and Theertha C R of second year Computer Science Engineering

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Student's Achievements – contd.

Department of Aeronautical Engineering:

1 Tejas KN of 3rd semester AE participated in District level painting competition at Madanayakanahalli and secured Third prize on 7th February 2021

2 Hrithik D K of 3rd semester AS participated in State Level sport event KHO KHO organised by Acharya College of Engineering and secured Second prize on 27th February 2021

3 Aditya Sreejith of 3rd semester AE participated in College Level technical Event-Model Making Competition and secured First Prize conducted at MVJ College of Engineering on 16th March 2021

4 Koushik Udaya chandran, Vijay S, Sachin Kumar and Shreehari of Aeronautical Engineering guided by Prof. S C Gupta, Professor & HOD of Aeronautical Engineering had participated in Aerothon 2021, a detailed Aircraft design event hosted by the SAE INDIA (Society of Automotive Engineers, India) organized on 12 & 13 June 2021, and stepped into the top ten teams and secured the 9th position in Aerothon 2021. A special Mention prize of 5000 was presented to the team under the best 'Original design' category.

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Student's Achievements – contd.

Department of Chemical Engineering:

1 V Dhivakhar, Final year Chemical Engineering has secured 3rd prize in "Young Scientists Conference - 2020 under the theme "Frontiers Areas Of Research - Chemical Sciences" on the topic "Assessment of Renewable Alternatives to Coal based on their High Heating Value and Global Warming Potential" organized by Ministry of Science & Technology, Ministry of Earth Science, Ministry of Health and Family Welfare, Government of India from 22nd December 2020 to 25th December 2020.

2 Ayana Amarnathan and S Kaviya, Final year Chemical Engineering secured Best Oral Presentation Award for the paper "A review on the Synthesis & Application of Iron oxide nanoparticles for Oil spill Removal", in the Virtual International Conference on "Recent Advances in Chemical & Biological Sciences" organized by Dayananda Sagar College of Engineering, Bengaluru held from 7th December 2020 to 9th December 2020.

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Student's Achievements – contd.

Department of Computer Science & Engineering:

1 Levin Vincent, Nevin Sunny and Krishna Tej N K of V Sem had secured 1st position in 'Design Overflow Hackathon organized by New Horizon Engineering college from 8th to 12th November 2020.

2 Spoorthy Babana Kannur, Akhil Bobby and Rajat Kumar of V Sem had secured 2nd position in AccelATHON 2.0, organized by Bangalore Chamber of Industry and Commerce (BCIC) in association with Centralised Placement Cell (CPC), Visvesvaraya Technological University (VTU) from 12-30, Nov 2020.

3 Anupama J P of V Sem had secured 1st position on the topic 'Online Voting Systems using Firebase ML tool Kit' in Young Scientists' Conference organized in the virtual mode from 14th Dec to 22nd Dec 2020

4 Deepti Singh of V Sem had secured 3rd position on the topic 'Online Yoga Pose Assessment for self-learning' in Young Scientists Conference organized in the virtual mode from 14th Dec to 22nd Dec 2020

5 Krishna Tej N K of V Sem had secured 1st position in 'Coding and Debugging' organized by Kristu Jayanti College from 11-12, Feb 2021.

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Student's Achievements – contd.

Department of Electrical & Electronics Engineering:

1 Vinith Kumar B (1MJ18EE047), student of 5th Sem won 2nd prize in Poster Making, Virtual National Technical Fest, Electro green organised by Sir M Visvesvaraya Institute of Technology, 18th December 2020.

Department of Mechanical Engineering:

1 Shivalinga N participated in VTU Students Symposium 2020 and have won 1st Place in Ideathon event on the theme 'Disruptive Technologies for Social Development' 27th and 28th November 2020 at Maharaja Institute of Technology, Mysore.

Department of Mechanical and Electronics & Communication Engineering:

1 Manjunath R, Ganesh Babu R of V sem Mechanical Engineering and Ganapathi N A of V sem ECE participated secured 3rd position in the event Hack-o-Holics, a National Level Hackathon as a part of IEEE Day celebration conducted by IEEE students branch Jeppair Engineering College, Chennai on 7th November 2020.

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Student's Achievements – contd.

Department of Aeronautical and Electronics & Communication Engineering:

1 Pavan.A, Venu, Yashwant, Usha of 7th semester AE and Harsha of 7th sem ECE, participated in IIC National Innovation contest organized by Ministry of Education, Govt of India. On 8th November 2020, mentoring started for this team after first stage of selection. Now they are selected for second round.

2 Pavan.A, and Venu of 7th semester AE and Harsha of 7th sem ECE presented a MODEL ON ACOUSTIC AGRICULTURE in the event INDIA INTERNATIONAL SCIENCE FESTIVAL 2020 organized by Ministry of Science & Technology held during 22nd to 25th Dec 2020 and won SECOND place.

3 Pavan.A, and Venu of 7th semester AE and Harsha of 7th sem ECE, participated in 11th International Student project competition organized by Vel Tech University, Chennai and secured First Place in the theme of "Life on Land" during 24-25th , February 2021.They won the first prize with a cash award of Rs. 8000 for their project titled 'Acoustic, Magnetics & Vibration Induced Smart Agricultural Methods & Devices'.

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Department of Civil Engineering:

Mapathon 2020:	It is a map making competition for a specific problem statement was organised jointly by IIT Bombay, AICTE and ISRO from 14 -31 December 2020. There were 5228 registrations.

1 Poorvi B Gaonkar and Priyanka D of second year Civil Engineering and Dr. N. Vetrivel, HOD of Civil Engineering had created a map, 'Prediction and Forecasting of COVID cases in Bangalore Rural, Karnataka, India. They are selected as one of the 'Winners' of Mapathon 2020.

2 Madhushree and B V, Smisha Menon of final year, M. Tech – Transportation Engineering and Dr. Chandrasekaran R, AP, Civil Engineering had created a map, Impact of Urbanization in Southern East of Bangalore, Karnataka, India. They are selected as one of the 'Notable Participants' of Mapathon 2020.

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Student's Activities

Department of Electronics & Communication Engineering:

1 Shreyas Kumar completed Coursera online course on Introduction to Programming with MATLAB on 7th Nov 2020.

2 Dheeraj P completed Coursera online course on Programming for everybody (Getting started with Python) on 22nd Dec 2020.

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Student's Activities

Conduction of IIT Bombay Spoken Tutorial Exam:

After completion of the courses for the academic year 2019-20, MVJCE in association with IIT Bombay, conducted certification exams from January 18, 2021 to February 05, 2021.

1 Certification exams were conducted for C/CPP, JAVA, PYTHON, ARDUINO, LATEX, RDBMS, OPEN MODELICA, SCILAB, QGIS, HTML, BLENDER, PROGRAMMING IN C, PERL, QCAD, PHP and MYSQL.
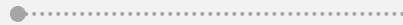
2 Total number of students who appeared: 1789

3 Total number of students who cleared the test: 867

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Commencement of I year Classes:

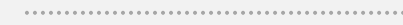Commencement of B.E. I year (odd sem) online class from 14th December 2020.

Commencement of Lateral Entry online Classes (Odd Sem) from 2nd January 2021
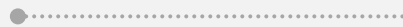
Commencement of M Tech and MBA offline classes (Odd Sem) 18th January 2021

Commencement of B.E. I year offline class (Odd Sem) from 1st February 2021.

Commencement of Lateral Entry offline Classes (Odd Sem) from 1st February 2021.

I Year Induction Programme was organized from 21st to 26th December 2020, 10th to 18th May 2021.

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Conduction of Classes and Examinations

Theory and Practical Examination:

Conduction of Practical Examination for V and VII Sem: 25th January 2021 to 3rd February 2021
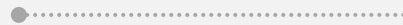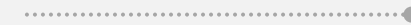
Conduction of Theory Examination for VII sem: 8th February to 27th February 2021

Conduction of Theory Examination for V sem: 20th February to 5th March 2021

Conduction of Theory and Practical Examination for III Sem: 20th March to 15th April 2021

Conduction of Theory and Practical Examination for I Sem: 19th April to 13th May 2021.

Commencement of 2020-21 Even Sem Classes: Commencement of classes for Higher Sem: 19th April 2021 and 19th May for I year.

Conduction of Guest Lectures/Webinars/Events

Department of Aeronautical and Aerospace Engineering:

- A Webinar on **'Drone and Societal Applications'** was organized 4th December 2020. Resource Person was Dr. Ramaseshan Satagopan, COO & Board Member, General Aeronautics Pvt. Ltd., Start-up, Indian Institute of Science, Bangalore.

- A Webinar on **'Early Formation of Universe & Aditya Mission'** was organized on 06th November 2020. Resource Person was Prof. Dipankar Banerjee, Astrophysicist, Indian Institute of Astrophysics.

- A Webinar on **'Redefining My Aerospace Dreams'** was organized on 4th March 2021. Resource Person was Mr Naresh S. Solipur, CEO & Founder, Zeigler Aerospace, Hyderabad.

Department of Chemical Engineering:

- Organised a webinar on **'Advancement of Membrane Technology for Societal, Medical and Industrial Applications'** by Dr. Surya Murali Racha, Senior Research Scientist in Refining R&D of Reliance Industries Limited, Navi Mumbai on 7th November 2020.

- Organised a webinar on **'Environmental Sustainability and Pollution Prevention'** by Dr. B. C. Meikap, Professor, IIT Kharagpur on 21st November 2020.

- Organised a Club activity **"E-Chemwizard"** on 12th November 2020

Department of Civil Engineering:

- A Webinar on **'Role of Fresh Civil Engineer in Construction Industry - Ongoing Trends and Limitations'** by Mr. R Sheshu (CEO, Anantha Consultants, Bengaluru) was organized on 22nd December 2020, at 2:00 pm. Around 100 participants in the webinar, including students (UG and PG) of MVJCE and various other Institutions.

- A Lecture on **'Distress in Concrete Pavements - Causes, Precautions and Solutions'** by Dr. Ramachandra V (Joint President - Technical, Ultra Tech Cement Ltd., Mumbai), was organized on 11th February 2021. Around 60 students and faculty members participated in this program.

- A Lecture on **"No Life Without Water"** was organized on 22nd March 2021 at 10.30 am to 12.00 pm in Seminar Hall 4 on account of **'WORLD WATER DAY'.**

- SRISHTI Club of Civil Engineering organized an event **'Virtual Technical Quiz'** on 24th October 2020. **71** Students had participated.

Department of Electronics & Communication Engineering:

- Two-day **'Virtual Training on 3D Printing and PCB Design'** by Mr. Bhanuteja G, AP, ECE, 'under CoE in Robotics and Industrial Automation was organized on 12th & 13th November 2020.

- A Webinar on **'Advancement of Machine Learning Techniques for IOT Products'** was organized on 28th November 2020. Resource Person was Mr.Nithin Padmaprabhu, IOT and embedded system Engineer (TSSG), Country Waterford, Ireland

- A Webinar on **'Programmable Logic Controller (PLC) Basics, with Hands on Experience'** was organized on 12th December 2020. Resource Persons were Dr. Thangavel Bhuvaneswari, Faculty of Engineering and Technology, Multimedia University, Melaka, Malaysia and Dr. Chitra Venugopal, Electrical Engineering and Renewable Energy Department, Oregon Institute of Technology, US.

Department of Electrical & Electronics Engineering:

- Organized a Department club activity 'TECHKRITI' on 6th November 2020.

Department of Mechanical Engineering:

- A Guest Lecture was conducted on the topic **"Additive Manufacturing"** by Mr. Sunil G S, Mercedes Benz, Research and Development (MBRDI) India Ltd. on 24th October 2020.

- Organised an Online Student Club Activity – Dynamic MECH on **"Bridging the Gap from Classroom to Industry"** on 7th November 2020.

- Organised an Online Student Club Activity – Dynamic MECH entitled **"Online Collage Poster making competition on Engineering Innovations during the time of Covid 19 Pandemic"** on 31st December 2020.

Conduction of Guest Lectures/Webinars/Events –contd.

Department of Information Science & Engineering:

- Organized Eikon Club Activity titled **"Impulse-2021"** on 12th June 2021.

Department of Mathematics:

- Calculation Using Calculator; event was organized by the department of Mathematics on 13th March 2021 for the first-year students on the occasion of **"International PI Day"**. The Guest Speaker for the event was Dr. G.N. Mohapatra, Principal Scientist, CSIR Fourth Paradigm, Bangalore.

Department of Physics:

- Organized an event **"PHYSICS PUZZLE SOLVING COMPETITION"** on 06th April 2021 under physics Department club activity

Conduction of Guest Lectures/Webinars/Events –contd.

Department of Chemistry:

- organized a club activity entitled 'CHEM LIFE' on the topic 'Model Making Competition on Energy Storage Devices and Electrochemical Experiments', on 5th April 2021.

Tomorrow's Engineers Club:

- A three-day Workshop on **'Creative Thinking, Innovation and Problem Solving'** was organized by Tomorrow's Engineers Club from 15th December to 17th December 2020. Resource speakers for the workshop were Dr. K Sudhakar, Professor (Retd.), Department of Aerospace Engineering, IIT Bombay and Dr. A S Shaja, Director, Data Science, Envestnet Yodlee, San Francisco, USA.

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Conduction of FDPs/STTPs

Department of Computer Science & Engineering:

- Organized AICTE Sponsored 5-DAYS online ATAL FDP on **"ARTIFICIAL INTELLIGENCE and MACHINE LEARNING"** , from 18th Jan to 22nd Jan 2021

Department of Electronics & Communication Engineering:

- Organized CSIR SPONSORED Five-day Faculty Develop Program on **'Artificial Intelligence & Computer Vision Solution of Edge Devices (IoT)'** from 2nd February to 5th February 2021. Resource Persons were:

  - ➢ Dr. Ramachandra Hebbar Scientist "SG" Regional Remote Sensing Centre-South, NRSC, ISRO, Bengaluru
  - ➢ Dr.Athif Shah, Founder/Chairman, ABE semiconductors, Chennai,
  - ➢ Dr. P.V. Vinod, Regional Remote Sensing Centre-South, NRSC, ISRO, Bengaluru
  - ➢ Dr. Sheeba Jenifer ujit, Ph.D., Post-doctoral Research Fellow, Department of Imaging Physics, The University of Texas MD Anderson Cancer Center, Houston, Texas, USA
  - ➢ Dr. Mohan raj, Data Scientist, Renault-Nissan-Mitubishi, Chennai

Department of Electrical & Electronics Engineering:

- Organized Five-day Faculty Develop Program on **Research Opportunities in Electrical and Electronics Engineering** from 1st March 2021 to 5th March 2021. Resource Persons were:

  ➢ Dr. Ravishankar.C.V, Vice Chairman, IETE-Bangalore Section, Governing Council Member of Sambhram Educational Trust, VTU-BOE–EC/TE Member.

  ➢ Dr. S Rajanna, Professor, Department of EEE, Malnad college of Engineering, Hassan.

  ➢ Dr Subbha Reddy, Senior Research fellow, High voltage Engineering Lab, IISc., Bangalore

  ➢ Dr. I Thangaraju, Associate Professor Department of EEE, Government College of Engineering, Bargur.

  ➢ Dr.V S Gangwar, SMIEEE , FIETE , FATMS ,Scientist-E (RF –Microwave Antenna system)

Department of Information Science & Engineering:

- Conducted Phase-II of the AICTE Sponsored Short Term Training Programme (STTP) on '' **Research Challenges and Emerging Trends in Ontology and Data Science for Deep Learning** " from 7th December to 12th December 2020. Chief Guest for the Program was, Dr. K Vivekanandan, Registrar & Dean (Students), Professor, Department of CSE, Pondicherry Engineering College, Pondicherry.

- Conducted Phase-III STTP from 1st March to 6th March 2021. Dr. L Venkata Subramaniam, IBM Master Inventor, Quantum Ambassador and AI Neuro-Symbolic Sub-Theme Lead at IBM was the Chief guest.

- Conducted a Faculty Development Program on "**Research Methodology & Data Analysis**" from 25th January to 30th January 2021. Resource speakers were:

  ➢ Dr. Sreejith S S, Dr. Nivethitha S and Dr. J. Kirubakaran from NIT, Calicut.

  ➢ Dr. M. Kalidoss, from Opeconsiva TeX Makers, Tiruchirapalli , Professor (Retd.) , Dept of Physics, St. Joseph's College, Tiruchirappalli

  ➢ Dr Aghila G, from National Institute of Technology, Puducherry.

Department of Mechanical Engineering:

One-week Online AICTE sponsored STTP on 'Advanced Manufacturing Techniques for Medical and Precision Engineering'

➢ Phase I from 4th to 9th January 2021

➢ Phase II from 08th to 14th February 2021

➢ Phase III from 1st March to 6th March 2021

➢ The speakers were from eminent Institutions / Industries like IISc, IIT Kanpur, Pondicherry Technological University, NIT's, Prat and Witney, CSIR, DRDO and so on. Around 100 participants participated in the STTP from MVJCE and various other Institutions all over India.

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Department of Mechanical Engineering:

Organized SECOND International Conference on Advanced Research in Mechanical Engineering (2nd ICARME – 21) from 29th and 30th April 2021.

- ➢ DAY 1: Keynote address was given by Dr. S A Khan, Professor, Dept. of Mechanical Engineering, IIUM, Kualalumpur, Malaysia and Invited talk by Dr. Ashok G Matani, Professor, Dept. of Mechanical Engineering, Government Engineering College, Amaravati, Maharashtra, India.

- ➢ DAY 2 Keynote Address by Dr. Raju T N, Dept. of Mechanical Engineering, Dr. Ambedkar Institute of Technology, Bengaluru. And Invited talk by Dr. Peerawatt from University of Technology, North Bangkok, Thailand.

Department of ECE and EEE:

ECE and EEE department had organized Fifth International Conference on Design Innovation For 3C's Compute, Communicate, Control (ICDI3C-2021) in association with IEEE (IEEE Conference No. 53598) on 11th & 12th June 2021.

➢ Key note speakers of the occasion Dr. G N Rathna, Principal Research Scientist IISc Bangalore, Dr. Subba Reddy, Principal Research Scientist IISc Bangalore and Dr. Marcin Professor in Polish Academy of Sciences, Poland.

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Paper Publications by Faculty

Department of Aeronautical Engineering:

- R. Vijayakumar and S. K. Maharana, "Experimental and Numerical Validation of Unmanned Aerial Vehicle Structure Fabricated using Graphene based Polymer Matrix Composites", International Journal of Vehicle Structures & Systems, Volume 13, Issue 1, Page 60-64, 2021. (Scopus).

- B. Rahul, J. Dharani and R. Balaji, "Optimal Method for Determination of Rayleigh Damping Coefficients for Different Materials using Modal Analysis", International Journal of Vehicle Structures & Systems, Volume 13, Issue 1, Page 102-111, 2021. (Scopus)

Department of Chemical Engineering:

- Dr. Manisha Bal has published a paper titled "Hydrodynamic study and particulate matter removal in a self-priming venturi scrubber" in Environmental Technology & Innovation 20 (Nov, 2020) 101167 https://doi.org/10.1016/j.eti.2020.101167

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Paper Publications by Faculty

Department of Computer Science & Engineering:

- Vinoth Kumar V Karthikeyan T Praveen Sundar P V Magesh G," A Quantum Approach in LiFi Security using Quantum Key Distribution", International journal of Advanced Science and Technology, Vol.29,No.6,June 13,(2020), PP 2345-2354.(Scopus)

Department of Electronics & Communication Engineering:

- Dr.Tamilarasi Associate Professor, Department of Electronics & Communication Engineering Published a paper titled "Design of radio frequency integrated circuit for RF to DC power converter for bio-medical application in Materials Today Proceedings, (Elsevier) on November, 2020, DOI: https://doi.org/10.1016/j.matpr.2020.09.733

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Paper Publications by Faculty

Department of Information Science & Engineering:

- Dr. Mannar Mannan from Dept of Information Science & Engineering has published a paper titled "Independent document ranking for E-learning using semantic-based document term classification", in Journal of Intelligent & Fuzzy Systems (SCOPUS Indexed), ISSN: 1064-1246 in January 2021.

Department of Electrical & Electronics Engineering:

- Deeksha, "Bus Clamped Modulation for Harmonic Minimization In Vector Control Of Induction Motor Drives", International Journal of Advanced Research in Engineering and Technology (IJARET), vol. 12, no. 1, pp: 760- 770, January, 2021. (Scopus Indexed)

- Dr. Soumya Mishra, "Analysis and experimental evaluation of novel hybrid fuzzy-based sliding mode control strategy for performance enhancement of PV fed DSTATCOM", International Transaction on Electrical Energy Systems. (Early Access Available, SCI, IF: 1.692).

Department of Mechanical Engineering:

- Anand G, "Influence of Abrasive Water Jet Machining Parameters on Hybrid Polymer Composite ", Journal: Journal of The Institution of Engineers (India): Series C" (Accepted for Publication – In March 2021) (Scopus)

Project Proposals submitted

Sl. No.	Name of the PI and Co-PI	Title of the Project	Scheme	Budget Quoted	Date of Application
1	Dr R Rajasekar	2D Aerofoil and 3D Aerofoil Design using hybrid AI Algorithms with Error Minimisation using weightage redistribution.	Core Research Grant -DST	Rs. 39,75,000/-	08.03.2021
2	Dr. Sangamesh Gondegaon	Spline based Geometric Modelling of Complex Domains for Isogeometric Analysis	Start-up Research Grant -DST	Rs. 14,77,205/-	01.03.2021
3	Dr. Sunil Shankar Waddar-PI Dr. G. Anand-Co-PI	Theoretical and experimental validation of tufted composites for stiffness and strength prediction useful for aerospace and aeronautical structural applications	Core Research Grant -DST	Rs. 24,96,000/-	08.03.2021

Project Proposals submitted

Sl. No.	Name of the PI and Co-PI	Title of the Project	Scheme	Budget Quoted	Date of Application
4	Dr. Sugumar - PI, Dr. Jeevalakshmi - Co-PI	Development of Elephant Intrusion Detection System using Satellite Remote Sensing with a Decision Fusion Method as a Solution for Mitigating Human Elephant Conflict in the Forest Border Areas	Core Research Grant -DST	Rs. 92,54,467/-	15.03.2021
5	Dr. Rajesh Kumar P- PI, Dr. Shankar G- Co-PI	Design and Development of Semantic Multimedia E – Book Using Ontology for Enhancing Teaching Learning Process for Primary School Students	Cognitive Science Research Initiative -DST	Rs. 21,07,000/-	15.03.2021
6	Dr. Manu DS – PI, Dr. Vertivel -Co-PI	Hybrid De-Centralized Greywater Treatment for Household using Artificial Intelligence Model	Special Call _ Wastewater Management - DST	Rs. 13,64,500/-	30.11.2020

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Project Proposals submitted

Sl. No.	Name of the PI and Co-PI	Title of the Project	Scheme	Budget Quoted	Date of Application
7	Dr. Sugumar, PI, Dr. S. Kanithan, Dr. A. Arun, Dr M Saradha and Dr. M.Varalakshmi-Co-PI	Design and Demonstration of novel acoustic underwater target detection and 3-D Tracking system	NPOL (Short Proposal)	Short Proposal	16.03.2021
8	Dr. Rajesh Kumar P-PI, Dr. Shankar G-Co-PI	Contact phenomenon of a multi-layered stranded rope bent over sheaves	K-FIST I	Rs. 25,00,000	20.02.2021
9	Dr Sayanasri Varala -PI, Dr V Udaya Kumar -Co-PI	Bio-inspired superhydrophilic/superoleophobic surface nets for in-situ oily waste water treatment.	K-FIST I	Rs. 3,00,000	20.02.2021

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Project Proposals submitted

Sl. No.	Name of the PI and Co-PI	Title of the Project	Scheme	Budget Quoted	Date of Application
10	Dr.I Hameem Shanavas - PI, Ms.Kala H S, Co-PI	Internet of Things Research and Innovation Lab	CISEE	Rs. 18,97,912	20.02.2021
11	Dr. Manisha Bal -PI, Dr. Madhukara Naik -Co-PI	A novel technique to recycle the waste polystyrene to remove dyes from polluted water by immobilizing with TiO_2 dyes from polluted water by immobilizing with TiO_2 nanoparticle	RFS/F	Rs. 3,14,000	20.02.2021
12	Dr. Soumya Mishra - PI, Dr. Satish Kumar H,Co-PI	Design and development of a drone operated Punctured Insulator Detector for hotline maintenance	CISEE	Rs. 2,88,9973	20.02.2021

Project Proposals submitted

Sl. No.	Name of the PI and Co-PI	Title of the Project	Scheme	Budget Quoted	Date of Application
13	Dr. Sunil Shankar Waddar, PI, Dr. G Anand,Co-PI	Establishing the Facility for-Development and characterization of hybrid ultra-light weight aluminium foams reinforced with hollow micro balloons for aerospace structures	K-FIST I	Rs. 3,00,000	19.02.2021
14	Dr. Santosh N PI, Dr. Vivkekanand Huddar, Co-PI	Establishment of facilities for development of Electrochemically activated Nano Particles Embedded Membranes for Sustainable Technology for Cost Effective Wastewater Treatment	K-FIST I	Rs. 3,00,000	21.02.2021
15	Prof. Sridhar rao -PI, Dr. Santosh N – Co PI	Development of Porous Media Condensing Heat Exchanger for Space System	ISRO Respond Basket 2021	Rs. 39,86,000	10.03.2021

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Funds Received

Department of Mechanical Engineering:

Prof. S.C. Gupta & Dr.P. Arunagiri received AICTE MODROBS fund of Rs 9,09,804/- dated 04.12.2020 based on the sanction of the project titled "Procurement and setting up of Open Architecture based flight simulator in Flight simulator in Flight simulation lab".

Funding by KSCST for Student's Projects:

For 2020-21, four student Projects are approved by KSCST for funding under 44th series of Student Project Programme: 2020-21. IS&E -1, CH -1, EC-2.

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Lectures/Talks by Faculty:

Department of Aeronautical Engineering:

- Prof. S.C. Gupta has been invited to be the speaker at the International Meet & Expo on Aerospace & Aeronautical Engineering (AEROMEET2022), which will be held in Dubai, UAE during 21st to 23rd March 2022.

Certification Courses by Faculty

➢ Dr. Muzammil Hussain , from Dept. of Information Science & Engineering completed a NPTEL Certification course on "Introduction to Internet of Things" from September to December 2020 & received the certificate after successfully clearing the Exam.

➢ Dr. Muzammil Hussain , from Dept. of Information Science & Engineering completed UDEMY Certification course on "Ethical Hacking" in January 2021.

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Thank You

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