Progress Highlights – XXVIII GC Meeting – 13.05.2020

Progress has been made in various activities since last Governing Council Meeting held on 7th December' 2019. Valuable suggestions and inputs provided during XXIV GC Meeting were considered carefully and implemented in the Institution for the overall development and growth. Major activities are listed below:

New Course from 2020-21:

We have applied to AICTE and VTU to start two new courses on **'Data Science'** and **'Artificial Intelligence & Machine Learning'** from the academic year 2020-21 with an intake of 60 each.

Temporary Reduction in intake in Mechanical Engineering:

We have applied to AICTE and VTU to reduce the intake temporarily in Mechanical Engineering from 180 to 120 from the Academic year 2020-21.

University Ranks:

Our Students bagged 11 University ranks for B.E Programme and PG Programme.

Sl. No.	Name of the student	Department	Position
1	Shriya Chandrashekar	AE	Third Rank
2	P.Naveen Kumar	AE	Seventh Rank
3	Tilak Hemachandra Patgar	AE	Eight Rank
4	Nathipam Vara Prasanth	AE	Ninth Rank
5	Chandrashekhar	Chemical	**First Rank with Gold Medal**
6	Lekhan.S.T	Chemical	Ninth Rank

7	Abhay Mohan	IM	Sixth Rank
8	Rashmi.Ps	ML	**First Rank with Gold Medal**
9	Sumir R.M	ML	Second Rank
P G			
10	Umesha.S.N	Transportation Engg.	**First Rank with Gold Medal**
11	K.Geetha	Digital Electronics & Communication	Third Rank

- "Dr. M. V. Jayaraman Memorial Gold Medal" is awarded to Chaithrakumari.T.S for having secured highest marks after adding marks of all the semesters in M.Tech. in Aeronautical Engineering.

- MVJCE is positioned in the 6th place for securing no of University ranks in UG Programme and PG Programme.

Induction Programme for I year Students:

- First year Induction Programme Phase 2 was conducted for the first-year students from 10/02/2020 to 24/02/2020.

VertechX 10.0:

- Vertechx 10.0 is the National Level Technical Fest organized by MVJ College of Engineering. The Fest, which was held recently on 09th & 10th March 2020, saw

more than 1500 students participate in various competitions that tested them on their technical and innovation skills. The Chief Guest for the event '**Dr. Karisiddappa, Hon'ble Vice Chancellor**' is a distinguished academician and administrator, who has held many key positions in various organizations.

Faculty Development Programme:

We organized 5 day Workshop on 'Outcome based Education and NBA Accreditation' sponsored by VTU TEQIP 1.3 from 20th January to 24th January 2020. 24 participants from other colleges have attended the session. The Resource persons were:

- ✓ Dr. K. N. Subramanya, Principal, RVCE

- ✓ Dr GopalKrishna Joshi, Professor, CSE Dept., KLE University, Hubli

- ✓ Dr. Prasad Krishna, Professor, Department of Mechanical Engineering, NITK

- ✓ Dr. D. H. Rao, Former Dean, VTU, Belagavi

- ✓ Dr. N. Alagumurthy, Professor, Dept. of Mechanical Engineering, Pondichery Engineering College

- ✓ Dr H S Guruprasad, Professor & Dean, BMSCE, Bangalore

- ✓ Dr Suresh R, Professor, BMSCE, Bangalore

- ✓ Dr Prabhu Shankar G V, Dean- Academics, SIT, Tumkur

Entrepreneurship & Development Cell:

- A lecture on "The Journey of a Start-up company" by Mr Leo Peter (Alumnus – 2013 Batch, AE), Founder & Managing Director of Jane Aerospace Pvt Ltd was organized on 25th February 2020.

- A lecture on ""Innovative ideas for Start-ups" by Dr. John Baruch, Professor, Aeronautical Engineering was organized on 5th March 2020.

<u>Students' Achievements:</u>

Department of Aeronautical Engineering:

- Dayanand .S of 8th Semester won Fourth Place in " Boeing Aero modelling Competition " conducted at IIT Kharagpur on January 19&20, 2020.

- U. Koushik, R. Kishan Ravi, E. Sreehari, V. V. R. Raju 6th sem, Aeronautical Engineering won **First Prize in "Drone GP"** event in VERTECHX 10.0 conducted at MVJ College of Engineering on 9th & 10th March 2020.

- U.Koushik, R.Kishan Ravi,E.Sreehari, Syed Abdul of 6th sem, Aeronautical Engineering won **Second Prize in "Drone Delivery Challenge"** event in VERTECHX 10.0 conducted at MVJ College of Engineering on 9th & 10th March 2020.

Department of Chemical Engineering:

- Mr.Amal Kamal from 6th Sem & Mr Abhishek from 4th sem has secured first place in "Take the stage" at Mount Carmel College conducted from 13th -14th December 2019.

- Mr.Amal Kamal from 4th Sem has secured first place in "Troll Booth" at St. Joseph College of Commerce conducted on 20th & 21st December 2019.

Department of Computer Science & Engineering:

- Mr. Nevin Sunny and Mr.Muhammed Fuaad from 4th CSE secured third price in an event Crypt & Code in the National Level Technical Fest Vertechx10.0 on 9th and 10th of March, 2020 at MVJCE.
- Mr.Agnivo from 4th sem CSE secured first price in an event Innerve (Hackathon) in the National Level Technical Fest Vertechx10.0 on 9th and 10th of March, 2020 at MVJCE.
- Veeral P from 6th sem secured 2nd place in CS40 Event organized by RVCE Techno-cultural fest 8th Mile on 29.02.2020.

Department of Civil Engineering:

- Mr. Nikhil P.S (1MJ16CV038) – 8th Semester, Akash S (1MJ17CV004), Rohit B (1MJ17CV061), Ganesh (1MJ17CV021) – 6th Semester, Naveen B.S. (1MJ18CV037) Mahendra (1MJ18CV037), Tejas Gowda H.T (1MJ18CV077) – 4th Semester were part of Kho–Kho men team which secured Runner-up place in **VTU Intercollegiate 2020 Kho-Kho** Bangalore North Zone held at Archarya Institute of Technology, Bangalore on 28/02/2020.

- Mr. Mallikarjun T.A (1MJ16CV028), and Nikhil P.S (1MJ16CV038) Secured 2nd Place in Emphylios (Paper presentation) **"YUKTHA 2020"** held at PSG Institute of Technology, Coimbatore.

- Mr. Mallikarjun T.A (1MJ16CV028), Nikhil P.S (1MJ16CV038), Devappa (1MJ16CV011) and Praveen M (1MJ14CV055) secured 3rd place in Paper presentation **"QUARK 2020"** held at BITS, GOA

Department of Electronics & Communication Engineering:
- Mr.Avinash, Mr.C Ashwin, Ms.Vidhya shree, Ms.Spoorthi, secured 2nd place in the event Line follower held on 5th March 2020 organized by NMIT, Bangalore.

- Mr. Nishanth Shastry, secured 3rd place in Student space quiz, conducted during the student session of the IAA- ISRO- ASI Symposium "On Human Spaceflight and Exploration" held on Jan 23rd, 2020 Bangalore.
- Mr. Bharath V P has secured 1st place in the event Line follower in the "Sixth National level Technical symposium Min- Enthra 2020" held on 8th February 2020 organized by Hindustan College of Engineering and Technology, Coimbatore.
- Mr. Bharath V P, Mr. Aswin, Mr. Avinash, Mr. Alekh Prakash have Participated in Impact India Hackathon on 29th February 2020, organized by Microsoft Research, Bangalore.
- Mr. Nishanth Shastry and Rakshanda B reddy have participated in the innovation Festival at Visvesvaraya Industrial & Technological Museum, Bengaluru from 27th to 29th February 2020 and Attended Innovation Exhibition.
- Mr. Bharath V P has secured 1st place in the event Line follower in the PRERANA - 2020 held on 6th March 2020 organized by GITAM University, Bangalore.
- Mr. Avinash has secured 2nd place in the event Line follower in the PRERANA - 2020 held on 6th March 2020 organized by GITAM University, Bangalore.
- Mr. Nithin S and Mr. Chaitanya has secured 1st place in Situation 2.0 as a part of Robocore'20 held on 7th March 2020 at SIT, Tumakuru.
- Mr. Bharath V P and Mr. Bharath K U has secured 2nd place in Situation 2.0 as a part of Robocore'20 held on 7th March 2020 at SIT, Tumakuru.

Department of Electrical & Electronics Engineering:

- Madhushree, Darshan M, Ruchitha K S & Lavanya B won second prize in the competition "CONTRAPTION" organised by Chemical engineering department during the national level Techfest VertechX 10.0 on 9th of March 2020.

Department of Mechanical Engineering:

- Team VOLHESTUR RACING of Mechanical Engineering participated in national level GOKART event - INDIAN KARTING CHAMPIONSHIP conducted in KOLHAPUR, MAHARASHTRA by MOHIT RACING ACADEMY during 6th to 9th March 2020. Team VOLHESTUR RACING secured 11th place in National level and 9th Place in the final round of the Competition.

Department of Information Science & Engineering:

- Jeet Takodara from 6th Sem, ISE Dept, secured 2nd prize in VerTechX 10.0 Event "Transportation 2020" organized on 9th March 2020.
- Arya Karthikeyan, Shilpi Kumari, Aparna S from 6th Sem, ISE Dept secured 1st prize in VerTechX 10.0 Event named "Spontania" organized on 10th March 2020.

Department of Chemistry:

- Meghna Talawai (1MJ19AS024) won 3rd prize in the event Crisis I.S.S (international space station) at National space convention conducted by infinity space club, Department of Aerospace Engineering, UPES, Dehradun on 21,22 Feb 2020

Students' participation in various Events:

Department of Mechanical Engineering:

- Team VELOCIRAPTORS attended FMAE BAJA SEASON 3 organized by Fraternity of Mechanical and Automobile Engineers conducted at FMAE MOTO PARK Hyderabad from 21 February to 25th February 2020

- Team XTREME SQUAD of Mechanical Engineering have participated in national level GOKART event viz; INDIAN KARTING CHAMPIONSHIP conducted in KOLHAPUR, MAHARASHTRA by MOHIT RACING ACADEMY during 6th to 9th March 2020.

Students' participation in Workshops/Seminars:

Department of Aeronautical Engineering:

- Altesam Ahmad and Vijay.S of 6th Semester, Aeronautical Engineering attended Seminar on `Human Spaceflight and Exploration-Present Challenges & Future Trends` on 22-24 January 2020 held at Hotel Concorde, Bangalore. It was organised by International Academy of Astronautics, Indian Space Research Organisation, Astronautical Society of India.

- 12 students of 6th semester Aeronautical Engineering attended a workshop on JETS, FLOW ANALYSIS, HYBRID COMPOSITES at MIT , Chennai held on 28th & 29th February 2020.

- Mr. Sashi R Mistry ,Ms. Anindita Mahato, Ms. Gayatri C of 6th sem Aeronautical Engineering has participated in two days workshop conducted by HAL on International Aerospace Supply Chain Management on 17 & 18 Jan. 2020.

- PAVAN. A of 4th Semester, Aeronautical Engineering attended a one day workshop on Cyber Security conducted by CII at JITF, Bangalore on 20– Jan 2020

- 20 Students of Aeronautical and Aerospace Engineering attended a one day work shop on 3-D printer on 29th February 2020.

Lecture Sessions/Seminars/Workshops conducted for students:

Tomorrow's Engineers club:

- Organized a 3-day Workshop on "Creative Thinking, Innovation & Problem Solving" from 24th to 26th February 2020. 51 students from various Engineering disciplines participated. Total 9 interdisciplinary groups were formed, and each group presented their solution idea for various societal problems.

Department of Chemical Engineering:

- Organized a guest Lecture on 'Advances in Petroleum Refining Processes' by Dr.

G. Valavarasu, Deputy General Manager, HP Green R&D Centre, Bangalore on 22.02.2020.

Department of Computer Science & Engineering:

- Organised seminar on " Bitcoin – Virtual Money" on 10.2.2020 by Mr. Jayavaradhan sambedu, Co-Founder and CTO-Curl Analytics

Department of Civil Engineering:

- Conducted a "Skill Development Program on ANSYS" for 8th Semester students from 24th to 29th February 2020.
- Organized **"World Engineering Day"** on 04/03/2020 in association with Electrical & Electronics Engineering Department. Dr. K. Rajani kanth, Former Principal, MSRIT, Bangalore delivered an expert talk on **"Contribution of Engineers for the sustainable Development of the Country".**

Department of Electronics & Communication Engineering:

- Organized a lecture on '"Embedded Systems and its applications" by Dr Rathna G N (Principle Research Scientists, IISc, Bengaluru) on 27/02/2020
- Organized a lecture on "Artificial Intelligence and its Applications" by Prof. Anandi Giridharan (Principle Research Scientists, IISc, Bengaluru) on 27/02/2020
- Organized "Two days Hands-on Training on Biped Robot" on 28th and 19th February 2020. 49 students from ECE attended.
- Organized "Training on Robotic Basics for Robo Kabbadi " from 17th to 19th February 2020. 118 students from various departments attended.
- Started Skill Development Programme on NI LabVIEW Graphical Programming module-I (Classes on Wed & Fri 4.00 Pm -5.00 PM) from 17th February 2020

Department of Mechanical Engineering:

- Dr. Sunil Shankar Waddar gave a seminar to all faculty of MVJCE on the "Entrepreneurship" on 09/01/2020 In Rajalakshmi Seminar Hall, MVJCE.

- One day workshop on "PRODUCT DEVELOPMENT, DESIGN THINKING AND 3D PRINTING" is conducted on 29 Feb 2020 by Mr. Uday Senthil, 6th Sem of Mechanical Engineering in Smt. Rajalakshmi Seminar Hall.

- A Seminar on FORGING TECHNOLOGY is conducted for IV semester students on 29/02/2020 in seminar hall # 6 by Mr. Leni Devidson, Manager Q & A, SKF Bearings Ltd. Bengaluru

- A seminar on SMART CONNECTED WORLD OF TOMORROW - IIOT is conducted for VI semester students of all branches on 04/03/2020 in MVJ Auditorium by Mr. Chandrashekar Rao Kuthyar, Lead Consultant, Sangam One Connected Services Pvt. Ltd. & Apna Katha Pvt. Ltd. Bengaluru

Department of Mathematics:

- Organized "**National Mathematics Day**" and One Day Workshop on "**Mathematical Modelling with Engineering Applications**". **Dr. G. N. Mohapatra, Senior Scientist**, CSIR,Fourth Paradigm Institute, NAL,Belur Campus,Bengaluru and **Dr. Krushna Chandra Gouda, Principal Scientist**, CSIR,Fourth Paradigm Institute, NAL Campus delivered lectures on 7th January 2020.

Department of MBA:

- Organized "**Hand on Training workshop on Advanced Excel**" with the support of Department of Computer Science, 27th February 2020.. 31 Students of 4th Semester MBA attended the workshop.

Club/Special Lab Activities:

Department of Chemical Engineering:

- Organized club activity entitled "Azeotrophy", on March 5th 2020, by 81 students (27 groups). First round was a brainstorm and Second round chemical bond, and the third round was Unlock the Mystery. The 1st place was secured by Aditya P Prabhu (1MJ16CH005), Bhavesh Vijay Patil (1MJ16CH019) and Mriganka Nath (1MJ16CH036), from 8th semester Chemical Engineering. The 2nd place was secured by Harsha B (1MJ17CH012), Hemanth S Rao (1MJ16CH013) and Sunil Khanapur (1MJ16CH038) from 6th semester Chemical Engineering.

Department of Computer Science & Engineering:

- Organized club activity entitled "TECHACK" on 19.2.2020, where more 50 teams (100 students) participated. This event is focused on to solve the most typical real-world problems. This event is a mimic of The International Collegiate Programming Contest (ICPC) that is conducted by ACM. Jonah Jacob Oommen and Koshal Bothra from VI semester CSE Department won the first price.

Department of Electronics & Communication Engineering:
- Organized club activity entitled "ROBO KABBADI Competition , on 24th Feb 2020. A total of 34 teams and 136 participants competed in the event with their wireless bots.

Department of Electrical & Electronics Engineering:

- Organised a Spark club activity "TECHUDBHAV" on 3rd March 2020. 24 teams consisting of students from 2nd, 4th and 6th semesters participated in the club activity.

Department of Medical Electronics Engineering:

- Organized club activity entitled "Exped-MedTech", on February 27th 2020, where 9 teams (34 students) participated. First round was a Biomedical Technical Quiz and Second round was Medical Pictionary. Third round was Med-Ads and winner groups was Paavana & Team(1st Prize) and Pritisha &Team(2nd prize)students of Medical Electronics Department(3rd year and 4th year students).

Department of MBA:

- Organized HR club activity "AGNIUDYA" for 2nd Semester MBA students on 4th March 2020, where 47 students participated. First round was a qualifier round and Second round was advertising the Product, and the Third round was on Entrepreneurship.

Industrial Visit:

Department of Computer Science & Engineering:

- Conducted Industrial Visit on 21st February 2020 to *Robert Bosch* Centre for Cyber-Physical Systems for 4th semester students.

Department of Civil Engineering:

- Students of 4th Semester visited Karnataka State Natural Disaster Monitoring Centre (KSNDMC) on 27th February 2020

Department of Electronics & Communication Engineering:

- Organized an Industrial visit to Hindustan Aeronautics Limited (HAL), Bangalore on 28th February 2020. 53 students from 6th semester along with 2 faculty members visited.

- Organized a visit to IISc, Bangalore on 29th February 2020 for IISc. Open day, 91 students from 6th semester along with 4 faculty members visited .

Department of Electrical & Electronics Engineering:

- Organised an industrial visit to Vijay Power control systems, Bangalore for 6th semester students on 28th February 2020. 42 students along with two faculty members visited the industry.

Faculty Achievements:

Award of Doctorate Degree:

- **Mr. R Vijaya Kumar**, Department of Aeronautical has submitted his Ph.D thesis to VTU, and successfully completed his final viva on 23rd Jan 2020 and awarded Doctor of Philosophy (VTU) in the area of Aircraft structures development of polymer matrix composites for an aerospace application.
- Prof. N. Vetrivel, Department of Civil Engineering has successfully completed his final Viva-voce on 28th February 2020 and awarded with PhD degree (Anna University) in the area of **"Ground Water Modelling of Lower Bhavani River Basin, Tamilnadu, India"**
- Prof. Janani S, Department of Civil Engineering has successfully completed her final Viva-voce on 21st January 2020 and awarded with PhD degree (SRM University) in the area of **"Studies on the Mechanical Properties and Impact Resistance of Steel Fibre Reinforced Blended Cement Concrete"**.
- Dr. G Shankar, Department of Mechanical Engineering has been awarded Ph.D (VTU) on title "Static Response of Helically Wound Cables under Bending" by Visvesvaraya Technological University Belagavi on 8th February 2020
- Dr. Rajesh kumar P, Department of Mechanical Engineering has been awarded Ph.D (VTU) on title "Contact Phenomenon in cables bent over sheaves" by Visvesvaraya Technological University Belagavi on 8th February 2020

- Mr Vikas Vishnu has been awarded Ph.D on title "Design & Development of linearly & Circularly polarized pattern antennas" by BITS - Goa on 21st January 2020

Department of Electrical & Electronics Engineering:

- Ms.Shruti R Gunaga completed 6 weeks online MOOC course and obtained certificate on "Life skills for Engineers – Level 1" during the month Jan 2020 – Feb 2020.

Department of Information Science & Engineering:

- Dr. Mannar Mannan published a complete patent titled "Voting System by Using AADHAAR Based EVM Voting for General Electing" on 17.01.2020. Application number: 202041000803

Department of Physics:

- Mr.Mohan Kumar C R has successfully completed NPTEL-AICTE Faculty Development programme on "The Joy of Computing Using Python "**silver elite grade.**

Department of Chemistry:

FDP organized:

Department of Aeronautical Engineering:

- Dr. Saravanan, Assoc. Prof. organized one day Faculty Development Programme on LATEX on 06th February 2020.

Department of Civil Engineering:

- Organized Faculty Development Programme in our institution on **"Application of Remote Sensing (RS) and GIS in Civil Engineering"**, on 19th, 20th and 21st December 2019.

Department of Computer Science & Engineering:

- Conducted Faculty Development program on" Recent Trends in Block chain Technology" from 31st Jan- 5th February 2020" by Dr. Bhawana Rudra, Assistant Professor, Department of IT, NIT- Surathkal and Mr. Koshik Raj, Founder-Consenso Labs, Bangalore.

Department of Information Science & Engineering:

- Conducted Faculty Development program on "Bigdata & Deep Learning" from 26th Dec to 28th Dec 2019 with 36 participants (27 internal & and 9 external participants). Resource speaker: Mr. Praveen Hanchinal, Team Lead, INWHIZZ IT Innovations and Mr. Mayur Patil, RPA Manager, InfoBizz

FDP /Seminar/ Workshop attended by Faculty:

Department of Aeronautical Engineering:

- Mr. Antony Samuel Prabu G, Asst. Prof. and Mr Amogh Ballolli, Asst. Prof. have attended 'India International Supply Chain Conference in Aerospace, and Defence' held on 17th and 18th Jan 2020 at Dr. V M Ghatage Convention Centre, HAL .It was organised by Society of India Aerospace Technologies & Industries.
- Dr John Baruch. L, Prof. attended a FDP on 'Entrepreneurship' at Manipal University, Manipal during 02-14 Dec 2019
- Mr Syed Mohsin Asst. Prof. and Mr Rohit Kumar Asst. Prof. have attended one day seminar on 'AI, Robotics, and Simulation` for Aerospace & Design Application' conducted by Aeronautical Society of Indian 30th Nov 2019

- Dr John Baruch. L, Prof. attended 'Innovation Ambassador Training program' organised by AICTE/MHRD's Innovation cell on 26th and 27th February 2020 at ACS College of Engineering, Bangalore.

Department of Chemical Engineering:

- Ms. Athira Asokan has attended five day FDP on "Novel Perspective in technologies for micro pollutant removal from aqueous system." conducted by NIT, Calicut, from 20th -25th January 2020.

Department of Computer Science & Engineering:

- Ms.Pramela Devi, Ms. Santhiya and Ms.Akshatha attended Workshop on "Big Data Technologies and Machine Learning" in C-DAC's, Bangalore from 2nd to 6th December 2019.
- Ms.Nisha , Ms.Thanu Kurian and Ms.Vidhyashree attended workshop on "Code Comprehensive Skills" organized by BITES on 18th January 2020 at Vemana IT, Bangalore.
- Ms.Swathika and Ms.Ashwini H.K participated & completed successfully AICTE Training and Learning (ATAL) FDP on "Cyber Security" from 9th Dec 2019 to 13th Dec 2019 at University Visvesvaraya College of Engineering, Bangalore.
- Dr.K.Sindhanaiselavn and Mr.Mohammed Yousuf participated & completed successfully AICTE Training and Learning (ATAL) FDP on "Blockchain" from 16th Dec 2019 to 20th Dec 2019 at NITK Surathkal.
- Ms.Pushpalatha , Ms. Deepa Acharya attended a workshop on "Artificial Intelligence and Robotics" organized by KSTA from , 16th Dec 2019 to 18th Dec 2019, Bangalore.
- Ms. Supriya Sullad and Ms.Thanu Kurian attended a seminar on "AICTE quality initiatives and sensitization of technical teacher training" organized by CIT on 16th Dec 2019, Bangalore.

- Ms. Supriya Sullad attended a FDP on "Microcontroller and Embedded Systems" organized by JSSATE from 27th Jan 2020 to 29th Jan 2020, Bangalore.
- Dr. Arvind K.S and Dr. Uma Maheswaran attended a 2 days FDP on "Virtual Laboratory "organised by department of CSE and VTU FOSS Group in association with Karnataka State Higher Education Council (KSHEC) on 19th February 2020 to 20th February 2020.
- Mr. Karthick Myilvahanan attended a FDP on Talent Next (Mission 10 X) workshop organised by Wipro from 25th February 2020 to 6th March 2020.

Department of Electronics & Communication Engineering:

- Ms. Minal, Ms. Shivalila, Ms. Varsha, and Ms. Farha participated & completed successfully AICTE Training and Learning (ATAL) FDP on "Cyber Security" from 9th Dec 2019 to 13th Dec 2019 at University Visvesvaraya College of Engineering, Bangalore.
- Ms. Shima Ramesh, Ms. Geetha R attended one day national seminar on "AICTE Quality Initiatives and Sensitization of Technical Teachers Training" Sponsored by AICTE held at Cambridge Institute of Technology Bangalore.
- Mr. Bhanuteja G has attended 3 day workshop on" ARTIFICIAL INTELLIGENCE AND ROBOTICS" on Dec 16-18, 2019 at Karnataka science and technology academy (KSTA), Department of science and technology, Govt of Karnataka, Bangalore.
- Dr. Shoaib Kamal and Mr. Naeem Ahmed attended "Wipro Certified Faculty Program" From 24th February to 6th March 2020 at Wipro Ltd., Electronic city, Bangalore.

Department of Information Science & Engineering:

- Ms. Anaswara Venunadh participated in a workshop on "Artificial Intelligence & Machine Learning" organized by IISC, Bangalore from 30th Jan to 31st Jan 2020.
- Dr. Muzammil Hussain participated in a workshop on "Code Comprehensive Skills" organized by BITES on 18th January 2020 at Vemana IT, Bangalore.

- Dr. Muzammil Hussain participated & completed successfully AICTE Training and Learning (ATAL) FDP on "Cyber Security" from 9th Dec 2019 to 13th Dec 2019 at University Visvesvaraya College of Engineering, Bangalore

Department of Mechanical Engineering:

- Dr. Sunil Shankar Waddar attended AICTE/ MHRD Innovation Cell "Innovation Ambassador Training Program" Organised by INSTITUTION'S INNOVATION COUNCIL - MHRD'S INNOVATION CELL, Hosted by ACS College of Engineering, Mysore Road, Bangalore on 26th& 27th February 2020
- Dr. G Anand attended AICTE/ MHRD Innovation Cell "Innovation Ambassador Training Program" Organised by INSTITUTION'S INNOVATION COUNCIL - MHRD'S INNOVATION CELL, Hosted by ACS College of Engineering, Mysore Road, Bangalore on 26th& 27th February 2020

Paper Publications:

Student's Publication:

Department of Civil Engineering:

- Mr. Mallikarjun T.A (1MJ16CV028), Nikhil P.S (1MJ16CV038) and Devappa (1MJ16CV011) presented a paper on **"Automated Cellular Concrete"** in 1st International Conference on Emerging Trends and Challenges in Applied Science, Engineering and Technology held at Gopalan College of Engineering and Management on 10th & 11th March 2020.

Department of Computer Science & Engineering:

- Mr. Tarun Tiwari has presented paper titled" Sapling Health Monitoring System" to be published in springer book series " Algorithms for Intelligent Computing" in the 2nd International conference on Advanced Computing Technologies and

Applications 2020 organised by Dwarkadas J Sanghvi College of Engineering , Mumbai on 28th and 29th February 2020.

- Ms. Hima, Ms. Nileena James, Ms. Inchara and Ms. Meghna M C from VI – B presented the paper "Smart Water Metering System Using IOT" in the International Conference on "Innovative Computing and Communication" held on 21.02.2020 to 23.02.2020 at "Shaheed Sukhdev College of Business Studies, University of Delhi".

Department of Electronics & Communication Engineering:

- Mr. Nishanth Shastry has presented a paper titled "Sapling Health Monotoring System" to be published in Springer book series, " Algorithms for Intelligent Com[puting"in the second International Conference on Advanced Computing Technologies and Applications (ICACTA-2020)Organized by DwarkadasJ Sanghvi college of enginnering, Mumbai on 28th and 29th February, 2020.

Paper Publication by Faculty members:

Department of Aeronautical Engineering:

- Vijaya Kumar R & SK Maharana, `Development of Unmanned Aerial Vehicle by Graphene Based Polymer Matrix Composites`, International Journal of Recent Technology & Engineering (IJRTE), ISSN 2277-3878,Vol-8, Issue-5,Jan2020.
- Gupta S.C., 'A Reconstructive Approach for Design of 3-D Low Drag Planar Wings', Journal of Aerospace Sciences and Technologies, Vol. 72, Issue-1, 2020.

Department of Computer Science & Engineering:

- Dr.Umamaheswaran, S., Dr.Lakshmanan, R., Dr.Vinothkumar, V., Dr.Arvind K S. et al. New and robust composite microstructure descriptor (CMSD) for CBIR. International Journal of Speech Technology (2019), doi: 10.1007/s10772-019-09663-0 (Springer).

Department of Electronics & Communication Engineering:

- Ms.Shima Ramesh Maniyath , " A novel Efficient Multiple Encryption Algorithm for Real Time Images" , International Journal of Electrical and Computer Engineering(IJECE),vOL.10,No.2,pp.1327-1336,ISSN:2088-8708,DOI: 10.11591/ijece.v10i2.ppl1327-1336

- R Geetha & S. Geetha, "Embedding electronic patient information in clinical images: an improved and efficient reversible data hiding technique", Multimedia Tools and Applications, An International Journal, https://DOI 10.1007/s11042-019-08484-2, ISSN 1380-7501 (Springer).

- Geetha R & Geetha S, "Multi-Layered Odd-Even Reversible Embedding for Encrypted Images", International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249-8958, Volume-9 Issue-1S3, December 2019 page-347-351

- D.Tamilarasi, P. Pavithra, P. Ramesh, "Implementation of Stepped Frequency Modulation Pulse Compression on NI Suite", International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249 – 8958, Volume-9 Issue-2, December 2019, page 2161-2164.

- B.Rubini, Dr. D.Tamilarasi, "Automaic PArking System Slot for Smart Cities", International Journal of Scientific & Technology Research, Volume 9, Issue 02, ISSN 2277-8616, February 2020.

- Sreepriya Kurup, Dr. I Hameem Shanavas, "Mitigation of Ionospheric Scintillation In Carrier Tracking Loop of GPS Receivers - Comprehensive Overview", International Conference on Advances and Developments in Electrical and Electronics Engineering (ICADEE 2020) organized by Department of Electrical

and Electronics engineering, Karpagam College of Engineering, Coimbatore, Tamil Nadu during 6th and 7th February 2020.

- Kavitha D, Dr. Renumadhavi C H "A Survey of Artificial Intelligence Technique for the early prediction of Congenital Heart Disease", International Conference on Advances and Developments in Electrical and Electronics Engineering (ICADEE 2020) organized by Department of Electrical and Electronics engineering, Karpagam College of Engineering, Coimbatore, Tamil Nadu during 6th and 7th February 2020.

Department of Information Science & Engineering:

- Dr. Muzammil Hussain published a paper titled, "Security threats in IOT via layered architecture", in International Journal of Future Generation Communication and Networking (Web of Science – Emerging Sources Citation Indexed Journal), Vol. 12, No. 5, January 2019 pp.173-185.

Department of Mechanical Engineering:

- Waddar, S, Pitchaimani, J, Doddamani, M. Effect of thermal loading on syntactic foam sandwich composite. Polymer Composites. 2020; 1–11. https://doi.org/10.1002/pc.25496(Wiley ,SCI,IF=2.268).
- Niranjan Hugar, Ravish B V, Dr. B. Venkata Narayana, Dr. Thammaiah gowda , Aluminium Metal Matrix Composites and Various Combination of Reinforcing Materials, Test Engineering and Management January-February 2020; ISSN: 01932-4120. (Scopus Indexed)

Project Proposals submitted:

Sl. No.	Dept.	Date of submission	Name of the Proposal / project proposal	Name of the funding agency	Amount estimated	Name of PI / Co PI
1	AE	3/1/2020	Design Development and Testing of Compliant Structures for Morphing Applications	RPS	Rs.19.0 Lakhs	Mr. S.C. Gupta & Dr.R.Vijayakumar
2	AE	30/12/2020	R25 Jet Engine Cut-Out for Modeling and Analysis of Parts for Research and Projects	MOBROBS	Rs.15.0 Lakhs	Mr. S.C. Gupta
3	AE	02/01/2020	Procurement and setting up of open Architecture Based flight Simulator in Flight Simulation Lab	MOBROBS	Rs.15.0 Lakhs	Mr. S.C. Gupta & Dr. P.Arunagiri
4	AE	27/11/2020	Reduction of MUDA using Lean tools in Aeronautical Industries	DST-SERB-SUPRA	Rs.25.74 Lakhs	Dr. P. Arunagiri & Dr. John Baruch
5	AE	06.12.2019	For Centre for excellence: Design and Development of regional language voice piloted agricultural and multi utility UAV	VGST-CESEM	Rs.20.00 Lakhs	Dr.Tamilarasi (ECE) & Prof.Tamilselvam Nallusamy(AE)
6	CH	03-03-2020	Development of a novel bio-design route for the complete recovery of thorium from monazite beach sands	DST(SERB-Start up Research Grant)	Rs.15,30,980	Dr Sayanasri Varala

7	CH	03-03-2020	A Novel technique to recycle the waste polystyrene to remove dyes and heavy metals from polluted water by immobilizing with TiO_2 nano particle	DST(SERB-Start up Research Grant)	Rs.26,40,000 Dr Manisha Bal
8	EEE	09-03-2020	Design of three phase Synchronverter with hot seamless transfer feature for grid connected PV system	DST	Rs. 16,82,000 Dr. G Hemakumar Reddy & Dr. Soumya Mishra
9	EC	03-01-2020	RPS on Quadruple Modular Redundancy Architecture for Space Mission	AICTE	Rs.24,00,000 Dr.I.Hameem Shanavas
10	EC	30-12-2010	FDP on Artificial Intelligence, Machine Learning	AICTE	Rs. 1,69,400 Ms. Sheher Banu S
11	EC	03-01-2020	STTP on Big Data Analytics and IOT (1 week)	AICTE	Rs. 3,50,000 Ms. Pavithra P
12	ISE	03.01.2020	"Research Challenges and Emerging Trends in Ontology and Data Science for Deep Learning"	AICTE-STTP	Rs.3,86,000 Dr. Mannar Mannan (PI) & Prof. Sanchari Saha (co-PI)
13	Physics	04.03.2020	Ultrafast All–Optical Switching for Information Processing Applications towards development of efficient optical network	DST(SERB-Start up Research Grant)	Rs.26,75,000 Dr.D. Bharath.

14	CSE	03/01/2020	Energy Saving Mechanism in MANET utilizing ACO	AICTE-Research Promotion Scheme	Rs.16,51,250	Dr.S.K. Manju Bargavi
15	CSE	05/12/2019	Design and Development of IoT Based Smart Laboratory	(VGST Scheme)	Rs.6,65,190	Dr.K.Sindhanaiselvan and R.Mohemmed Yousuf
16	ME	06.12.2019	Design and development of Ultra-light weight Al-Composite reinforced with hollow micro balloons for Aircraft structures	VGST - RGS scheme	Rs.3.00 Lakhs	Dr.Sunil Shankar / Dr.Anand

Industry Supported Labs:

Department of Chemical Engineering:

- Computer Applications and simulation lab (7th Sem Laboratory) is supported by AUTODESK with 2 user license of software for 3 years.
- Process control lab is supported by from M/s Micon Engineers (Hubli) Pvt Ltd with two valves (Gate and Globe Valve).

Funding received:

Department of Chemical Engineering:

- Chaitra D received fund of Rs.4500/- for student project on" Synthesis of Graphene Based Aerogel For Wastewater Treatment" from KSCST 43rd series of student project scheme.

Department of Civil Engineering:

- KSCST, "Decentralized Grey Water Treatment Unit for Urban Household" PI: Dr. Manu D.S and Co-PI: Prof. Anupama, Students: Mr. Mallikarjun.T.A (1MJ16CV028), Mr. Lalish.M (1MJ16CV022), Mr. Murali T.Y. (1MJ16CV032) and Mr. Devappa (1MJ16CV011)

Department of Computer Science & Engineering:

- Received Rs.4500 from KSCST for student project proposal for the topic Safe (Safety Analysis and Food Engineering) With Daa And Dip by the students Ms. Vennila Ms. V Manasa Ms. Chaitra Ms. Surekha S B under the guidance of Dr.Sindhanaiselvan and Mr.Mohammed Yousuf.

Department of Electronics & Communication Engineering:

- Received Rs.3,40000/- from AICTE New Delhi. For organizing Fourth International Conference on Design Innovation for 3Cs Compute Communicate and Control during the academic year 2019-20

- Rs 10,50,000 is granted by AICTE under MODROB Scheme to set up 'Industrial IOT Lab'.

Department of Mechanical Engineering:

- Rs 11,00,000 is granted by AICTE under MODROB Scheme to set up 'Energy Conversion Lab'.