



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

HEARTY WELCOME TO THE CHAIRMAN  
AND MEMBERS OF GOVERNING COUNCIL

XXVII GOVERNING COUNCIL  
7<sup>th</sup> December 2019

# Progress Highlights since last GC Meeting

Progress has been made in various activities since last Governing Council Meeting held on 28<sup>th</sup> September 2019. Valuable suggestions and inputs provided during XXVI GC Meeting were considered carefully and implemented in the Institution for the overall development and growth.

- Our College received “Clean & Smart Campus Award 2019” from Skill Development Cell of AICTE on 3<sup>rd</sup> Dec 2019 under South -West Zone. We are one of the Colleges to receive this award among 4 Colleges in Karnataka (South-West Zone).
- MVJCE Organized a lecture on ‘Systems Engineering’ by Shri. P.S . Krishnan, Ex Director, ADA, DRDO on 20/11/2019
- Organized Drug awareness programme on 6<sup>th</sup> November 2019 in association with parihaR, NGO. The event was chaired by Sri. V. Krishnappa, Assistant commissioner of Police, Whitefield Sub – Division along with Sri. Umesh Babu Pillegowda.

- Organized 1-day Workshop for faculty members regarding “Autonomy” by Dr. B. S. Manoj, Professor & Head, Department of Avionics, and Dr.Kuruvilla Joseph, Senior Professor and Dean, IIST, Thiruvananthapuram on 26<sup>th</sup> October 2019.
- EEE Department coordinated 1-day workshop in association with IIT Bombay on 2.10.2019 to celebrate the 150<sup>th</sup> Birth Anniversary of Mahatma Gandhi titled as Gandhi Global solar Yatra. 100-students from various disciplines participated in the event. Students assembled their own solar study lamp during the workshop.



# Drug awareness programme on 6<sup>th</sup> November 2019 in association with parihaR, NGO. Addressed by Sri. V. Krishnappa, Assistant commissioner of Police, Whitefield





Organized 1-day Workshop for faculty members regarding **"Autonomy"** by **Dr. B. S. Manoj**, Professor & Head, Department of Avionics, and **Dr. Kuruvilla Joseph**, Senior Professor and Dean, **IIST, Thiruvananthapuram** on 26<sup>th</sup> October 2019





1-day workshop in association **with IIT Bombay on 2.10.2019** to celebrate the **150<sup>th</sup> Birth Anniversary of Mahatma Gandhi** titled as **Gandhi Global solar Yatra**.  
100-students from various disciplines participated in the event



# Initiation on Industry Supported Laboratory at MVJCE

Name of the Department	Name of The Industry	Interaction Type and Support	Laboratory
CSE & ISE	Keil ® MDK pro software	Microcontroller & Embedded System Lab is supported by ARM with 20 user license of Keil ® MDK pro software through ARM University Program	Microcontroller & Embedded System Lab.
ISE	IBM	Artificial Intelligence Lab is supported by IBM with IBM Watson Studio Desktop.	Artificial Intelligence Lab



# Initiation on Industry Supported Laboratory at MVJCE

Name of the Department	Name of The Industry	Interaction Type and Support	Laboratory
ECE	Keil ® MDK pro software	Embedded Controller lab is supported by ARM with 20 user license of Keil ® MDK pro software through ARM University Program	Embedded Controller lab
	ARM Development Studio Software DS-5	ARM DS-5 Development Studio Software (ARM DS5UE-KD-40001 Ultimate Edition ARM Development Studio 5 With 1 Year Term Node Locked License) for System on Chip Laboratory through ARM University Program	Embedded Controller lab
	Intel	HDL Lab is supported by Intel with DE1 SoC Development Hardware kit (1 No.) through Intel Donation Program	HDL Lab
	Texas Instruments	Texas Instruments (TI) lab is supported with 3-more additional MSP- 430 for the development of existing TI lab	TI Lab



## Research Fund Received

- Department of Electronics & Communication Engineering:  
Ms. M. Brindha, received Rs. 3,00,000/- fund from VTU TEQIP Cell to organize training Program on “Outcome based education and NBA Accreditation”
- Department of Aeronautical Engineering:
  - Prof S C Gupta, Department of Aeronautical Engineering received a fund of Rs. 9.95 Lakhs for the project entitled “Design development and Experimental Validation of Adaptively Controlled Morphed Aircraft Wing Profile for Maximum Range and Endurance Performance” from AR & DB.
  - Prof R Rajasekar, Department of Aerospace Engineering received a fund of Rs. 9.5 Lakhs for the project entitled “Experimental Estimation of Stability Derivatives of Structurally Impaired Planes” from AR & DB.



# Projects Submitted for funding

Name of the Department	Name of the Principal Investigator	Title of the Project (Cost in Rs. Lakhs)	Funding Agency
<b>ECE</b>	Dr. D. Tamilarasi	Design of Power Inverter for Electric Vehicles	VTU, TEQUIP
<b>ISE</b>	Dr.J.Mannar Mannan	Airborne Detection and Localization of a Submerged Submarine Using Sea Skimming Drone Carrying Magnetic Anomaly Detector (MAD) System (Rs.18.71 Lakhs)	NRB-DRDO
<b>Mechanical</b>	Dr. G. Anand	Synthesis and Testing of Newer Biodegradable Polymeric Composite Material with Enhanced Antimicrobial and Mechanical Properties used for Packaging Industries (Rs. 2.9 Lakhs )	VTU, TEQUIP
<b>Mechanical</b>	Dr. Madhusudana C. K	Condition Monitoring of Face Milling Tool using Machine Learning Approach (Rs. 3.0 Lakhs )	VTU, TEQUIP



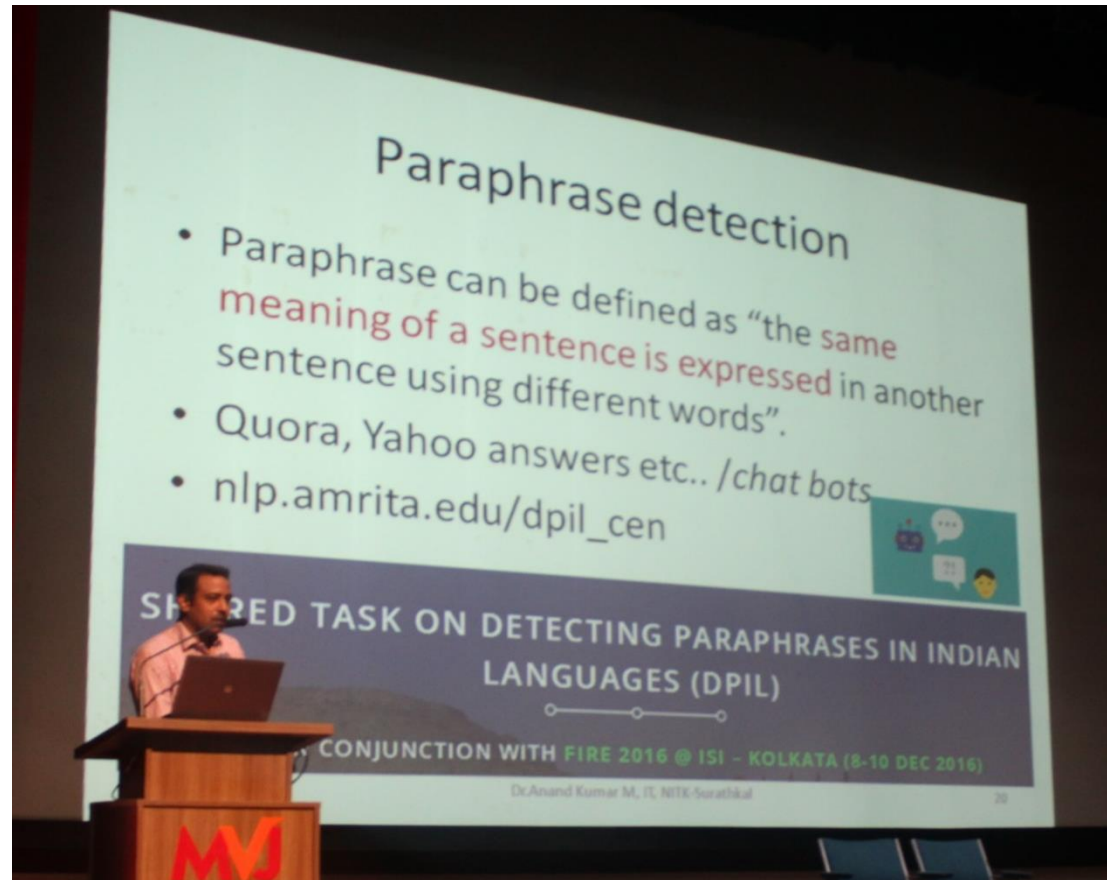
# Club / Special Lab Activities

Sl.No	Dept	Activity	Details of Activity
1	Civil	SRISHTI on 12/10/2019	Organized 'Poster Presentation & Extempore Speech',. 100 students participated. Best posters were listed and encouraged them to participate in external competitions
2	Maths	"MATLITE" on 21/09/2019	Organized "Mathematical Modelling" in various engineering applications for first year students to make them aware about the description of real time problem through equations
3	CSE	"Techsparks"	Organized club activity more than 50 teams(100-students) participated. First round was a Sudoku problems and Second round was Hackathon. <b>Dheesun K R</b> and <b>Chethan N</b> from IV year CSE Department won the first price.
4	ECE	<ul style="list-style-type: none"> <li>• PCB Challenging on 07/11/2019</li> <li>• Robo Soccer 8.11.19</li> </ul>	<ul style="list-style-type: none"> <li>• Organized club activity entitled "Innovative design on 07<sup>th</sup> November 2019. 40-students from the department participated in the event.</li> <li>• Organized "Robo Soccer (Arduino Challenge)" on 08th November 2019. 60 students from various departments participated in the event.</li> </ul>
5	Chemistry	Model Making Competition 25/09/2019	"Innovative techniques on reuse and reduction of plastic pollution" Winners are awarded
6	Physics	Model Making Competition 16/09/2019	Depicting fundamental laws of Physics. 90-students constituting 14-teams of all sections (Physics cycle) participated in the event.

# Guest Lectures / Sessions

Sl.No	Dept	Topic of Guest Lecture	Details of Resource Person
1	CIVIL	<ul style="list-style-type: none"><li>• Smart and Sustainable Cities in India- The Infrastructure requirement</li><li>• Advanced Waste water Treatment</li></ul>	<ul style="list-style-type: none"><li>• <b>Prof. M.N. Sreehari</b>, Advisor to Government of Karnataka for Traffic, Transportation &amp; Infrastructure, <b>Chairman – Indian Smart Cities Development</b> Delivered a guest Lecture on 8th November 2019</li><li>• <b>Mr. Bhaskar Sharma</b>, Director Bisineer Engineering India Pvt., Ltd. Bangalore delivered guest Lecture on 23rd November 2019</li></ul>
2	CSE	<ul style="list-style-type: none"><li>• Manufacturing and Internet of Things</li><li>• Challenges in Natural Language Processing (NLP)”</li><li>• Recent Trends in Information Technology</li></ul>	<ul style="list-style-type: none"><li>• <b>Mr Uma Shankar</b>, (Alumnus -1998 Batch), Software Development Manager, <b>Panasonic</b> on 26.09.2019.</li><li>• <b>Dr. Anand Kumar M</b> (Assistant Professor, Department of IT, NITK - Surathkal) on 19.10.2019</li><li>• <b>Mr. Raj Champaneriya</b>, Senior Software Consultant, <b>Neudesic</b>, Bangalore on 16.11.2019</li></ul>
3	AE	<ul style="list-style-type: none"><li>• Solar Atmosphere</li></ul>	<ul style="list-style-type: none"><li>• <b>Dr. Dipankar Banerjee</b> from <b>Indian Institute of Astrophysics</b> on “on 25<sup>th</sup> October 2019.</li></ul>

# Guest Lecture by Dr. Anand Kumar M, NITK - Surathkal on Challenges in Natural Language Processing, 19<sup>th</sup> October 2019





# Guest Lecture by **Dr. Dipankar Banerjee** from **Indian Institute of Astrophysics** on **Solar Atmosphere**, 25<sup>th</sup> October 2019



# Guest Lectures / Sessions

Sl.No	Dept	Topic of Guest Lecture	Details of Resource Person
4	ECE	<ul style="list-style-type: none"> <li>• photonics implementation</li> </ul>	<ul style="list-style-type: none"> <li>• Dr. Srinivas Talabattula, Associate Professor, Electrical Engineering, IISc., Bangalore on 1<sup>st</sup> October 2019.</li> </ul>
5	ME	<ul style="list-style-type: none"> <li>• A Technical Seminar on Importance of CAD/CAE in Product Life Cycle Management</li> </ul>	<ul style="list-style-type: none"> <li>• Mr. Jayaprakash A J, Delivery Manager, Aerospace Vertical, Tata Consultancy Services, Bengaluru delivered on 19/10/2019 as a part of TCS Academic Interface Programme.</li> </ul>
6	Maths	<ul style="list-style-type: none"> <li>• Applications of differential equations in Engineering field</li> </ul>	<ul style="list-style-type: none"> <li>• Dr. V. Senthilkumar, Principal Scientist, Computational Industrial Mechanics Programme, CSIR Fourth Paradigm Institute , NAL, Bangalore on 18<sup>th</sup> October 2019.</li> </ul>
7	Physics	<ul style="list-style-type: none"> <li>• Modern LASERs and its Applications</li> </ul>	<ul style="list-style-type: none"> <li>• Dr. Reji Philip, Professor, Raman Research Institute, Bangalore delivered a Guest lecture on 5<sup>th</sup> October 2019</li> </ul>

# Guest Lecture by Mr. Bhaskar Sharma, Director Bisineer Engg.India Pvt. Ltd. Bangalore on 23<sup>rd</sup> November 2019





# Industrial Visits

Sl.No.	Dept.	Company / Organization	Details of Visit
1	AE	<ul style="list-style-type: none"><li>• Kavalur Optical Observatory, Ooty (TN)</li></ul>	<ul style="list-style-type: none"><li>• 55 Student members from Astronomy club and 2 faculty members have visited on 29<sup>th</sup> September 2019.</li></ul>
2	CV	<ul style="list-style-type: none"><li>• Bangalore Metro rail corporation Ltd Bangalore</li><li>• Phoenix RMC Plant , Samethanahalli</li></ul>	<ul style="list-style-type: none"><li>• 25-students of M.Tech. Transportation and Structural Engineering Visited metro project on 4<sup>th</sup> November 2019 to witness erection pre-stressed girder &amp; alignment</li><li>• 100 students of 5<sup>th</sup> Sem. visited RMC plant to witness actual proportioning of ready mix concrete and heat dissipation methods.</li></ul>
3	CSE	<ul style="list-style-type: none"><li>• <b>C-DAC</b>, Bangalore</li></ul>	<ul style="list-style-type: none"><li>• V sem students visited C-DAC on 24th September 2019</li></ul>
4	ECE	<ul style="list-style-type: none"><li>• BSNL Bangalore</li></ul>	<ul style="list-style-type: none"><li>• 80 students had visited BSNL, Bangalore on 23<sup>rd</sup> and 24<sup>th</sup> September 2019, Telecoms witching</li></ul>

# Industrial Visit of M.Tech (Structural Engg) & M.Tech (Transportation Engg) of Civil Engineering to BMRCL 4<sup>th</sup> November 2019



## Workshop / Sessions attended by students

Sl.No.	Dept.	Details
1	ECE	<ul style="list-style-type: none"><li>Organized "Training Programme on Machine learning through Data science and Python" in NI LabVIEW Academy from 4<sup>th</sup> to 6<sup>th</sup> November 2019. 21 -Students attended the workshop.</li><li>Organized "Training Programme on IoT" in NI Lab VIEW Academy from 14<sup>th</sup> to 16<sup>th</sup> &amp; 21<sup>st</sup> to 22<sup>nd</sup> November 2019. 60 Students attended the workshop.</li><li>Skill Development Programme on NI LabVIEW Graphical Programming module-I (Classes on Wed &amp; Fri 4.00 Pm -5.30 PM) from 16<sup>th</sup> August 2019.</li></ul>
2	EEE	<ul style="list-style-type: none"><li>Organised a one-day workshop in association with IIT Bombay on 2.10.2019 to celebrate the 150<sup>th</sup> Birth Anniversary of Mahatma Gandhi titled as Gandhi Global solar Yatra. 100 students from various discipline participated in the event. Students assembled their own solar study lamp during the workshop.</li></ul>
3	ISE	<ul style="list-style-type: none"><li>Organised a Workshop on 'Data Mining using Modern Tools &amp; Techniques' from 20.9.2019 to 21.9.2019. Resource speaker was Mr. Sripada H Ravindranath, Data Science Senior Engineer, infoworks.io, Bangalore.</li></ul>

## Workshop / Sessions attended by students (IIT Bombay)

CERTIFICATE COURSES CLEARED BY STUDENTS			
NAME OF THE CERTIFICATE	DEPARTMENT	NUMBER OF STUDENTS	MONTH & YEAR
ARDUINO	ML	29	NOV, 2019
SCILAB	AE	60	NOV, 2019
PYTHON	ECE+ME+EE E	71+21+27 = 119	NOV, 2019
QCAD	AE+ME	31+75 = 106	NOV, 2019
OPENFOAM	CH+ME	31 + 75 = 106	NOV, 2019
Adv CPP	ECE	79	NOV, 2019

CERTIFICATE COURSES CLEARED BY STUDENTS			
NAME OF THE CERTIFICATE	DEPARTMENT	NUMBER OF STUDENTS	MONTH & YEAR
PHP & MYSQL	IS+CS+AE	44+75+69=188	NOV, 2019
RUBY	IS	23	NOV, 2019
RDBMS	ECE	25	NOV, 2019
BLENDER	CIVIL	15	NOV, 2019
BIOPYTHON	CH	09	NOV, 2019
LIBRE OFFICE TOOLS	CIVIL + ME	19 + 42 = 61	NOV, 2019
JAVA	EEE + ML	07 + 19 = 26	NOV, 2019
LATEX	AE	23	NOV, 2019
PERL	IS	2	NOV, 2019
C& CPP	IS+CS+EEE	80+230+70=380	NOV, 2019

Total No of Students cleared various CERTIFICATE courses by IIT Bombay: 1127



# Students Achievements

Sl.No.	Dept.	Name of the Students	Details
1	AE	<ul style="list-style-type: none"> <li>Sarthak Dinesh Deshmukh of VII semester</li> </ul>	<ul style="list-style-type: none"> <li><b>Won the Gold Medal</b> in the Aerospace Discipline in National Design and Research Forum (NDRF) 50<sup>th</sup> All India Student Design Competition - 2019 held during Oct 19.</li> </ul>
2	CH	<ul style="list-style-type: none"> <li>Dhanush Pendurthi, Sumashree S and Vignesh P of 7<sup>th</sup> semester</li> <li>T.V Karthik and Anusree P of 3<sup>rd</sup> semester</li> </ul>	<ul style="list-style-type: none"> <li><b>Best presenters award</b> for Paper Presentation on the topic titled <b>"Synthesis of nanocellulose using discarded plant waste"</b>, in SCHEMCON 2019, organized by Indian Institute of Chemical Engineers, IIChe on 17-18 October 2019 at S R Rotary institute of chemical technology, Gujarat.</li> <li><b>Won 2<sup>nd</sup> Prize in Puzzle Hunt in CONFLUENCE 19</b> organized by IIChe-BMSCE student chapter themed TECHNOCHEMILATE on 9<sup>th</sup> November 2019 at BMSCE, Bengaluru.</li> </ul>
3	EEE	<ul style="list-style-type: none"> <li>Aditya Raj Dwivedi, 3rd sem student</li> </ul>	<ul style="list-style-type: none"> <li><b>shortlisted for eYRC2019-20, e-Yantra Robotics competition</b> organised by IIT-Bombay. He has written qualifying exam on 28<sup>th</sup> September 2019.</li> </ul>

# Students Achievements

Sl. No.	Dept.	Name of the Students	Details
4	CSE	<ul style="list-style-type: none"> <li>• Akhil Bobby</li> <li>• AakarshEtar,Tarun Tiwari &amp; Shubham M</li> <li>• Chethan N</li> <li>• Sai Chandana and Varsha</li> <li>• Sweety</li> <li>• Nandhini R, Akhil Bobby, Niveditha .G, Harshitha &amp; Nagendra</li> </ul>	<ul style="list-style-type: none"> <li>➤ Akhil Bobby won first prize in "Best Manager, MAAYA 2019" Organized by PES University on 16th October 2019.</li> <li>➤ Akhil Bobby won Second prize in "J.A.M, MAAYA 2019" Organized by PES University on 16th October 2019.</li> <li>• Won second position in "Hackathon 19" conducted by Atal Incubation Centre, Jyothy Institute of Technology Bangalore on 9-11-2019 and 10-11-2019</li> <li>➤ Chethan N Winner in "DEBUGGING" event conducted by Gopalan College of Engineering and Management on 13<sup>TH</sup> &amp; 14<sup>th</sup> Nov.2019</li> <li>➤ Chethan N is the Runner in "LAN GAMING" event conducted by Gopalan College of Engineering and Management on 14<sup>th</sup> Nov.2019</li> <li>• Won second prize in "Street Play, SARGAM-19" conducted by New Horizon Knowledge Park, Bangalore on 20/09/2019 - 21/09/2019</li> <li>• Won first prize in "AvabtGarde-B Plan Event, ATHARV-IIM Indore's annual management cultural and literary fest" conducted by IEEE Student Branch &amp; ECE ,MVJCE, Bangalore on 20/09/2019</li> <li>• Won runner up position in "IEEE Emperica Event" conducted by IEEE Student Branch &amp; ECE ,MVJCE, Bangalore. on 06-09-2019</li> </ul>

# Students Achievements

Sl. No.	Dept.	Name of the Students	Details
4	Civil	<ul style="list-style-type: none"><li>Hithesh C (5<sup>th</sup> sem) &amp; Bharath (3<sup>rd</sup> sem)</li><li>Gayathri D.N. and Chandhana</li><li>Nikhil, Mallikarjuna , Lalish (7<sup>th</sup> Sem)</li></ul>	<ul style="list-style-type: none"><li>• Won 1<sup>st</sup> place in Poster Presentation Competition in "AIKYA - 2019", an Inter College Technical Fest held at East Point College of Engineering &amp; Technology on 8th November 2019.</li><li>• Won 2<sup>nd</sup> place in Poster Presentation Competition in "AIKYA - 2019", an Inter College Technical Fest held at East Point College of Engineering &amp; Technology on 8th November 2019.</li><li>➤ Nikhil P.S. , Mallikarjun T.A. Lalish M, Won 1<sup>st</sup> Place in PAPHYRUS (Paper Presentation Competition) in "TECHBLAZE 1.0" an Inter College Technical Fest held at Gopalan College of Engineering and Management on 13<sup>th</sup> Nov. 2019.</li><li>➤ Nikhil P.S. , Mallikarjun T.A. Lalish M. and Praveen M. secured 1st place in Robo Soccer Competition in "TECHBLAZE 1.0" an Inter College Technical Fest held at Gopalan College of Engineering and Management on 13th and 14th November 2019</li></ul>

# Students Achievements

Sl.No.	Dept.	Name of the Students	Details
5	ECE	<ul style="list-style-type: none"><li>• Nishanth Shastry &amp; Team</li><li>• Nishanth Shastry, Avinash</li></ul>	<ul style="list-style-type: none"><li>➤ Nishanth Shastry &amp; Team Won 2<sup>nd</sup> place in Hackathon event at Jyothi Institute of Technology, Bangalore on 12th November 2019.</li><li>➤ Nishanth Shastry and Avinash won 2nd place in Robosoccer event Gopalan College of Engineering on 14th November 2019.</li></ul>
6	ME	<ul style="list-style-type: none"><li>• Team Pulwama Warriors</li></ul>	<ul style="list-style-type: none"><li>➤ Team Pulwama Warriors won Overall championship in Rivals 2019 -60 CC mini bike competitions held at Karpagam Institute of Technology, Coimbatore on 27<sup>th</sup> September 2019.</li></ul>



# Student Paper Publications

Sl. No.	Dept.	Name of the Students	Details
1	CSE	Shubham Mishra	Mr Shubham Mishra "Segmentation of Brian Tumour from MRI images using fast marching method", IEEE International Conference on Electrical, Computer and Communication Technologies (ICECCT), Coimbatore, India, 2019, pp.1-5.doi: 10.1109/ICECCT.2019.8869281
2	EEE	Tithi Anish Antani, Ujjwal Kumar, Sindhu K. Bhat and Soumya Mishra,	"Design and Simulation of Photovoltaic Array", Asian Journal of Electrical Sciences, ISSN: 2249-6297, Vol. 8, No. S1, 2019, pp. 65-70.

# Faculty Research Publications

Sl. No.	Dept.	Name of the Faculty Members	Details
1	AE	Anwar Ansari, and Antony Samuel PrabuG	`Analysis of New Model Aircraft Wing Design to Improve Fatigue`, IJSART-Vol. 5, Issue-9, Sept. 2019., ISSN [ONLINE]:2395-1052.
2	CSE	<ul style="list-style-type: none"> <li>• S. K. Aruna, K. Sindhanaiselvan, B. Madhusudhanan</li> <li>• V Vinoth Kumar, K. S. Arvind, S. Uma Maheswaran, Suganya ,</li> <li>• Karthikeyan T, Karthik Sekaran, Ranjith D, Vinoth kumar V, Balajee J M</li> </ul>	<ul style="list-style-type: none"> <li>• "Computerized grading of brain tumours supplemented by artificial intelligence", Soft Computing, Springer, October, 2019</li> <li>• "Hierarchal Trust Certificate Distribution using Distributed CA in MANET" International Journal of Innovative Technology and Exploring Engineering, (2019), Vol.08, Issue.10, pp.2521-2524</li> <li>• "Personalized Content Extraction and Text Classification Using Effective Web Scraping Techniques" International Journal of Web Portals (IJWP)-IGI Global Publisher, 11(2), pp.41-52, (2019)</li> </ul>

# Faculty Research Publications

Sl.No.	Dept.	Faculty Name	Details
3	CIVIL	Bhavya B.S	<ul style="list-style-type: none"><li>➤ Bhavya B.S, "Water Quality Assessment of Hebbal Lake in Bangalore City", International Journal of Innovative Technology and Exploring Engineering (IJITEE),vol.8(11),pp.520-527, Sep. 2019.</li><li>➤ Bhavya B.S, "Behaviour of Piles with Raft Foundation using Safe Software", International Journal of Innovative Technology and Exploring Engineering (IJITEE), vol.8 (11), pp. 1432-1436, Sep. 2019.</li></ul>
4	ISE	Sanchari Saha	<ul style="list-style-type: none"><li>• "An optimized security solution based on trust value for multithreaded wireless body area network communication" in International Journal of Pervasive Computing and Communications ( Scopus Indexed Journal).</li></ul>
5	ME	Vishavanath Perumal S, Anand G,	<ul style="list-style-type: none"><li>• "Effect of Nanoclay/nanosilica on the mechanical properties, abrasion, swelling resistance of EPDM/SBR composites. Silicon, Springer, Published online, DoI:<a href="https://doi.org/10.1007/s12633-019-00291-6">https://doi.org/ 10.1007/s12633-019-00291-6</a> .(SCI indexed, IF 1.210)</li></ul>
6	Chemistry	Preethi.G	<ul style="list-style-type: none"><li>• "Cubic and orthorhombic Cd<sub>2</sub>SnO<sub>4</sub> microcrystals: molten Salt Synthesis, phase evolution and dye degradation studies". Materials Research Express, Express 6 (2019) 105537,</li></ul>

# Faculty Research Publications

Sl.No.	Dept.	Name of the Faculty Members	Details
7	EEE	<ul style="list-style-type: none"><li>Abraham George and S. Ananthi, Bhagwan</li><li>Dharati Kulkarni, Kishore K Gaded, B. S. Ajay Nagendra, Karthik S. Koushik and Kavya P</li><li>S. M. Jaanaki, Ashika, Dheeraj Patil, Ganapriya and P. Sinchana</li><li>S. M. Jaanaki, V. Krishna Moorthy and Uma Praveen</li><li>T. Nandhini Priya, B. V. Nagaraj, Ramakrishna Kammar and Sanketha</li></ul>	<ul style="list-style-type: none"><li>"Real Time Simulation of Doubly-Fed Induction Machine IGBT Drive on a PC-Cluster", Asian Journal of Electrical Sciences, ISSN: 2249-6297, Vol. 8, No. S1, 2019, pp. 39-41.</li><li>,"Economic Load Dispatch of Three Bus Thermal Generator Using Fuzzy Logic Technique", Asian Journal of Electrical Sciences, ISSN: 2249-6297, Vol. 8, No. S1, 2019, pp. 42-44.</li><li>"Maximum Power Point Tracking of PV System under Partial Shading Condition", Asian Journal of Electrical Sciences, I SSN: 2249-6297, Vol. 8, No. S1, 2019, pp. 10-14.</li><li>,"Numerical Studies of Thermo Acoustic Prime Mover on the Application of Renewable Energy", Asian Journal of Electrical Sciences, ISSN: 2249-6297, Vol. 8, No. S1, 2019, pp. 60-61.</li><li>"Replenishing Water Source for Wildlife Using Hybrid Energy Sources", Asian Journal of Electrical Sciences", ISSN: 2249-6297, Vol. 8, No. S1, 2019, pp. 15-18.</li></ul>



# Faculty Research Publications

Sl.No.	Dept.	Name of the Faculty Members	Details
7	EEE	<ul style="list-style-type: none"><li>• P. Praveena, H. S. Shubhanka, V. Neha, P. Prasath and G. S. Veda</li><li>• P. Premalatha, P. R. Maneesha, Laxmi and M. Mansi Angeleena</li><li>• P. Premalatha and Sharath Singh</li><li>• Renjini E. Nambiar, Sruthi Damodaran and Jeanmary Jose</li></ul>	<ul style="list-style-type: none"><li>➤ " Load Frequency Control of Single Area System Using Ziegler-Nichols and Genetic Algorithm", Asian Journal of Electrical Sciences, ISSN: 2249-6297, Vol. 8, No. S1, 2019, pp. 62-64.</li><li>➤ "Optimal Design of Load Frequency Control of Single Area System", Asian Journal of Electrical Sciences, ISSN: 2249-6297, Vol. 8, No. S1, 2019, pp. 71-77.</li><li>• "PV Fed Zeta Converter for Street Lighting Application", Asian Journal of Electrical Sciences, ISSN: 2249-6297, Vol. 8, No. S1, 2019, pp. 45-50.</li><li>• "Design and Development of Automatic Seed Sowing Machine", Asian Journal of Electrical Sciences, ISSN: 2249-6297, Vol. 8, No. S1, 2019, pp. 51-54.</li><li>• Motor Current Signature Analysis for Speed Estimation", Asian Journal of Electrical Sciences, ISSN: 2249-6297, Vol. 8, No. S1, 2019, pp. 29-32.</li></ul>

# Faculty Research Publications

Sl.No.	Dept.	Name of the Faculty Members	Details
7	EEE	<ul style="list-style-type: none"><li>• K. Revathi Shree, J. Yamuna, K. Sahana, M. Chandrika and Sarin</li><li>• Sathishkumar and S. S. Parthasarathy,</li><li>• Soumya Mishra, P. Praveena and M. V. Sarin</li><li>• Sruthi Damodaran, Renjini E Nambiar and Jeanmary Jose</li></ul>	<ul style="list-style-type: none"><li>• “Inductive Power Transfer to Charge Electric Bicycles”, Asian Journal of Electrical Sciences, ISSN: 2249-6297, Vol. 8, No. S1, 2019, pp. 25-28.</li><li>• “Identification of Robust Controller for 150hp, 3-Phase Induction Motor”, Asian Journal of Electrical Sciences ISSN: 2249-6297, Vol. 8, No. S1, 2019, pp. 33-38.</li><li>• “A MICC Algorithm for Power Quality Improvement Using PV-DSTATCOM”, Asian Journal of Electrical Sciences, ISSN: 2249-6297, Vol. 8, No. S1, 2019, pp. 55-59.</li><li>• “Double Integrated-Buck Boost Converter versus Double Integrated-Buck Topology for LED Lamps”, Asian Journal of Electrical Sciences, ISSN: 2249-6297, Vol. 8, No. S1, 2019, pp. 19-24.</li></ul>

# FDP/ Seminar/ Workshops Attended by Faculty

Sl. No.	Dept.	Name of the Faculty Member	Details of Workshop
1	AE	<ul style="list-style-type: none"><li>• Mr Syed Mohsin AP and Mr Rohit Kumar AP</li><li>• Dr.John Baruch L,</li></ul>	<ul style="list-style-type: none"><li>• Attended one day seminar on <b>"AI, Robotics and Simulation for Aerospace &amp; Defence Applications"</b> conducted by Aeronautical Society of India on 30<sup>th</sup> November 2019.</li><li>• Attending FDP on <b>"Entrepreneurship"</b> at <b>Manipal University</b> during 02 Dec-14 Dec 2019</li></ul>
2	ECE	<ul style="list-style-type: none"><li>• Ms Supriya K V, AP</li><li>• Mr. Bhanuteja G, AP</li></ul>	<ul style="list-style-type: none"><li>• Attended AICTE Training and Learning <b>(ATAL) FDP on "IoT" from 18th to 22nd Nov 2019 at UVCE, Bangalore.</b></li><li>• Attended workshop on <b>"Machine Learning and its applications"</b> on 20th October 2019 at MSRIT, BANGALORE</li></ul>
3	ISE	<ul style="list-style-type: none"><li>• Ms SHILPA S</li></ul>	<ul style="list-style-type: none"><li>• Attended AICTE Training and Learning <b>(ATAL) FDP on "Internet of Things (IoT)"</b> from 18-11-2019 to 22-11-2019 at University Visvesvaraya College of Engineering, Bangalore.</li></ul>

## Registration to ATAL Academy course on Thrust areas identified by AICTE: 92

Sl. No.	Title of the Thrust are (As suggested by AICTE)	Faculty Registration
1	3D Printing & Design - 11	11
2	Artificial Intelligence - 13	13
3	Cyber Security -30	30
4	Block Chain -2	2
5	Data Science -8	8
6	IOT -20	20
7	Robotics - 8	8

## Registration to Swayam MOOC Courses by faculty members: 133

Sl. No.	Swayam MOOC Course	Faculty Registration
1	Chemical Engineering	6
2	Civil Engineering	24
3	Computer Science & Engineering	17
4	Electronics & Communication Engineering	30
5	Electrical & Electronics Engineering	13
6	Mechanical Engineering	13
7	Information Science & Engineering	4
8	Mathematics	11
9	Physics	6
10	Chemistry	8
11	MBA	3



## Faculty Achievements- Completion of NPTEL Certificate Courses

### Name of the Faculty Member

### Details

- Ms. Geetha. R
  - Completed the NPTEL Online Certification Course on “Machine Learning”, Duration of the course- August 2019 – November 2019.
  - Completed the NPTEL Online Certification Course on Deep learning”, Duration of the course- September– November 2019.
- Ms. Ambili D Nair
  - Completed the NPTEL Online Certification Course on “Digital Circuits”, Duration of the course- September 2019 – November 2019.
- Ms. Pavitra. P
  - Completed the NPTEL Online Certification Course on “Cloud computing”, Duration of the course- September 2019 – November 2019.
- Ms. Supriya. K V
  - Completed the NPTEL Online Certification Course on “Digital Circuits”, Duration of the course- September 2019 – November 2019.
- Ms. Aparna. P
  - Completed the NPTEL Online Certification Course on “Digital Image Processing”, Duration of the course- September 2019 – November 2019.

## Faculty Achievements- Completion of NPTEL Certificate Courses

### Name of the Faculty Member

### Details

- Dr. Manu D S ➤ Completed NPTEL course on "Integrated Waste Management for a Smart City". Duration of the course- September– November 2019
- Ms T R Dakshayani ➤ Completed the NPTEL Online Certification Course on "Wastewater Treatment & Recycling", Duration of the course- September– November 2019.
- Ms Harilekshmi S ➤ Completed the NPTEL Online Certification Course on "Design of Steel Structures", Duration of the course- September– November 2019.
- Ms Anupama ➤ Completed the NPTEL Online Certification Course on "Fluid Mechanics", Duration of the course- October– November 2019.



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Thank You