



# BMS

INSTITUTE OF TECHNOLOGY AND MANAGEMENT

# Monthly Newsletter

April 2020

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# BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT

Affiliated to VISVESVARAYA Technological University, Belagavi  
Accredited by NAAC

## Founder's Vision



Late Sri B.M. Srinivasaiah  
Founder, BMSET

Promoting prosperity of mankind  
by augmenting human resource  
capital through quality education  
and training



Late Sri B.S. Narayan  
Donor Trustee, BMSET

**VISION:** To emerge as one of the finest technical institutions of higher learning to develop engineering professionals who are technically competent, ethical and environment friendly for betterment of society.

**MISSION:** Accomplish stimulating learning environment through high quality academic instruction, innovation and industry-institute interface.

The history of BMS institutions rewinds back to the year 1946 with the establishment of the first private engineering college in the country, BMS College of Engineering (BMSCE), by late Sri B.M Sreenivasaiah. He was a philanthropist and a great visionary who realised the necessity of technical education even before the country got independence. He was honoured by the Maharaja of Mysore with the title "Dharma Prakasha Raja Karya Prasaktha" for his extraordinary service in the field of education. The legacy he once began is being upheld with the same zeal by his inheritors and they continue to cherish his vision and ideals.

BMS Institute of Technology (BMSIT), established in the year 2002 is one of the six institutions under BMS Educational Trust, being managed by a council of trustees appointed by Dr. B.S. Ragini Narayan, the successor of Late Sri B.S Narayan and the donor trustee and Member Secretary of BMS Educational Trust and it is one of the best engineering college in bangalore.

BMSIT&M, an institution with a class of its own, is one of the most sought after institutes for high quality engineering education in the state. It is a well established private engineering college in bangalore recognized by the AICTE, Government of India and is affiliated to the Visvesvaraya Technological University (VTU), Belagavi. With its modern infrastructure, highly qualified and committed faculty, and active industry engagement, the institute has been recognised as an "Emerging Technical Institute in the state of Karnataka" by the VTU.

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## **MoUs / Awards / Recognitions**

- Dr. Sangmesh, Assistant Professor, Mechanical Engineering Department has published an article in Prajavani Newspaper on 25.04.2020. The article highlights the current scenario of Teachers working in various Engineering Colleges and the role of Educational Institutes highlighting the concern over Teachers in the current COVID 19 lockdown crisis.

### **Session Chair:**

1. Dr. Santhi Natarajan, Associate Professor, Department of AIML was invited as a Session Chair in the 2<sup>nd</sup> International conference on advances in computing and Information Technology (IACIT - 2020) - Virtual Conference held on 29<sup>th</sup> and 30<sup>th</sup> April 2020.
2. Dr. Usha B A, Associate Professor, HOD, Dept of ISE, was session chair for 2<sup>nd</sup> International conference on advances in computing and Information Technology (IACIT - 2020) on 29<sup>th</sup> and 30<sup>th</sup> April 2020, organized by REVA University, Bangalore.

### **Faculty as Resource Person:**

1. Prof. M. Sridevi, Asst. Professor, Dept. of MCA has extended her support as resource person for the 3 hours Webinar live streamed by L&T, India on "Mathematics for Data Science" with 320 participants from all over India on 30.04.2020, using Microsoft Teams platform.
2. Prof. Praveen Kumar T N, Chief Co-ordinator, IP Cell, and Associate Professor, Dept. of ME delivered a talk on Inventions/Patents on Artificial Intelligence and related technologies at Dept. of AI&ML, BMSIT&M on 24.04.2020. There were total of 45 participants.

### **Reviewer for Journal / Conference:**

1. Dr. Jyothi C Abbar, Assistant Professor, Department of Chemistry is the reviewer for Journal "Analytical letters" since 2012 and the last manuscript reviewed was in April 2020.



**Figure: Certificate issued to Dr. Usha B A**

2. Prof. Shripad Diwakar, Assistant Professor, Mechanical Engineering Department is a reviewer of the research article "Implementation of ASAB (Angle Sensor Air Bag) without Air Bag Module in 2-wheelers" for Global Research and Development Journals.
3. Dr. Daruka Prasad B reviewed the journal paper on 26.04.2020. Ref: JOLT\_2020\_828; Title: Photoluminescence and electron-vibrational interaction in 5d state of Eu<sup>2+</sup> ion in Ca<sub>3</sub>Al<sub>2</sub>O<sub>6</sub> down-conversion phosphor for eco-friendly and efficient WLEDs, Journal: Optics and Laser Technology on 26.04.2020.

### **Memorable Moments / Best practices**

1. Department of Civil Engineering has organised phase II SPARC review on 27.04.2020 to 29.04.2020.
2. Participation of students and Faculties as part of the Prime Minister calls for Solidarity in fight against COVID-19 rapid spread on 5.04.2020 from 9.00 pm to 9.09 pm. The Activity Images were Collected and by Prof. Chethana C, NSS Coordinator, Dept of CSE.



**Figure: Lighting Lamp for Solidarity in fight against COVID-19 by Dr. Sunanda Dixit, Assoc.Prof, Dept of CSE.**



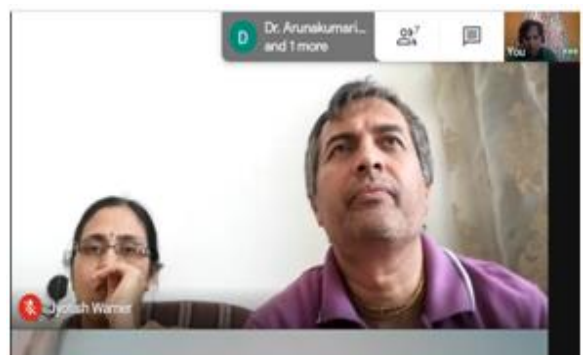
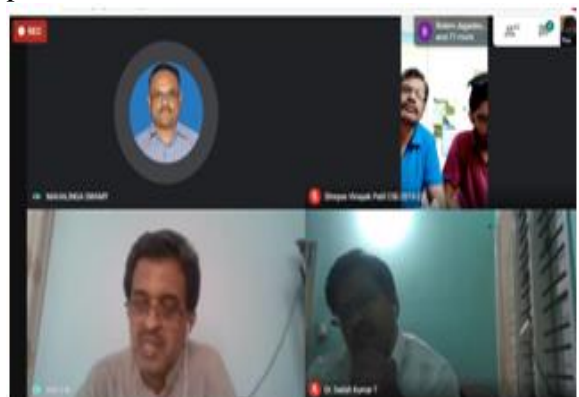
**Figure: Lighting Lamp for Solidarity in fight against COVID-19, by Chandra Shekar B.Y - 1BY19CS401.**

### **PARENT TEACHER MEETING (PTM)**

Parents are one of the important stakeholders of an educational institution. Communication between parents and teachers is essential for student's success in the classroom. PTM is a prominent and notable feature of the academic calendar. The main objective of the PTM is to create a common platform, where teacher and parents come together to discuss student's performance and devise ways to enrich their learning experience. At BMSIT&M, PTM is conducted once in every semester.

1. Department of Civil Engineering had organized Parents Teaching Meeting for 4<sup>th</sup> semester students on 23.04.2020 at 11.30am to 12.20pm through google meet.

2. The Department of CSE conducted PTM for 2<sup>nd</sup>, 4<sup>th</sup>, 6<sup>th</sup> and 8<sup>th</sup> semester students during 21<sup>st</sup> to 24<sup>th</sup> April 2020, respectively. The meeting was conducted online via google meet, 80 parents of 2<sup>nd</sup> semester students, 40 parents of 4<sup>th</sup> semester students, 12 parents of 6<sup>th</sup> semester students and 3 parents of 8<sup>th</sup> semester students participated in the meet, along with faculty members of the department.
3. Department of Information Science and Engineering has organized Project phase-II SPARC review on 23<sup>rd</sup>, 24<sup>th</sup> and 27<sup>th</sup> of April 2020.
4. Department of Information Science and Engineering has organized Technical Seminar presentation 9<sup>th</sup> to 20.04.2020.



**Figure: Parents-Teacher meeting at CSE Dept.**

5. Department of ECE conducted Parents Teachers Meeting for II, IV, VI and VIII semesters on 20<sup>th</sup>, 22<sup>nd</sup> and 24<sup>th</sup> of April 2020 through online using Google meet platform. Agendas of the meeting are online classes, revaluation, conduction of laboratory, reopening of college, conduction of internal assessment. Parents from across the semesters attended the meeting and shared their opinions.
6. Department of ECE conducted town hall meeting for 8<sup>th</sup> semester students on 29.04.2020. Following points such as addressing students with shortage of

attendance, outcome of Parent Teacher Meeting, online assessments and monitoring online classes by head of the department henceforth, have been discussed.

7. Online Parent – Teacher Meeting (PTM) was organized on 24.04.2020, from 1:30 pm to 4:00 pm for higher semesters and on 25<sup>th</sup> April 2020 from 10:00 am to 11:00 am by the department of Electrical and Electronics Engineering using Google Meet Online Application. The parents' of all the students of the department were informed regarding the PTM well in advance by the respective proctors and PTM through e-mails, personal calls and messages. Dr. Narapareddy Ramarao, HOD, EEE, welcomed the Parents and briefed about the department activities going on online, HOD briefed about the online classes and the importance of regular following of online classes by students failing which may increase the burden of study at the time of exams. Number of Parents Participated: 2nd Semester EEE – 28, 4th Semester EEE – 35, 6th Semester EEE – 31, 8th Semester EEE – 20. At first all the parents expressed their gratitude and thankfulness towards department and college for taking the online classes in this period of crisis, they congratulated BMSIT&M for taking this task meticulously.
8. Department of ISE organized parent teacher meeting (PTM) for 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> Year students from 20<sup>th</sup> to 22<sup>nd</sup> April 2020, meeting was conducted section wise online as per the schedule given in table below.
9. Parents Teachers Meeting was conducted by the Dept. of MCA on 24.04.2020. Number of Parents Participated: 2nd Semester – 20, 4th Semester - 46, 6th Semester – 28. At the outset, the parents were enquired about the physical and mental health of their wards. All wards are safe and healthy. Some of the parents are worried of safety measures in place at the campus when the college opens.  
Parents informed that the students should be given enough time before they can write the internals. A couple of parents appreciated the efforts put in by the faculty members in conducting online classes and thereby keeping the students engaged.

**Table: Parents-Teacher meeting statistics of ISE department**

Semester	Date	Timing	No. Parents
2 <sup>nd</sup> D, E & F	22.04.2020	12.30PM	52
4 <sup>th</sup> A	20.04.2020	12.30PM	36
4 <sup>th</sup> B	20.04.2020	4.30PM	26
6 <sup>th</sup>	21.4.2020	12.30PM	60
8 <sup>th</sup>	21.4.2020	12.30PM	17
<b>Total</b>			<b>191</b>

**Table: Parents-Teacher meeting statistics of CSE department**

Sem	Date	Time	No. of Parents
2- A, B & C	21.04.2020	4:30 PM	80
4	22.04.2020		40
6	23.04.2020		12
8	24.04.2020		3

### Faculty - Feedback

Feedback plays a major role for the success of an educational institution. At BMSIT&M, student's feedback on faculty performance/support in the class and outside the class is taken twice every semester. The Feedback collection system is a confidential online portal. Feedback will be provided by all the students about various aspects of the teaching learning process adopted by the faculty. In order to ensure a secure feedback mechanism One Time Passwords (OTP) are used. The OTP will confidentially reach the mobile phones and e-mail of the students using which they can securely login to the feedback portal.

Feedbacks are taken for all theory, laboratories and project work. The various feedbacks are analysed based on a set of questionnaires defined by the Institute. The evaluation is graded based on the scale of One to Five.

Scale of feedback system is as follows:

**1-Very Poor, 2- Poor, 3-Average, 4-Good, 5-Excellent**

An average score percentage from total number of feedbacks given is assessed to analyse the feedback. The first faculty feedback for even semester 2019-20 was taken after the first internals. The table show the percentage of students who gave feedback department wise.

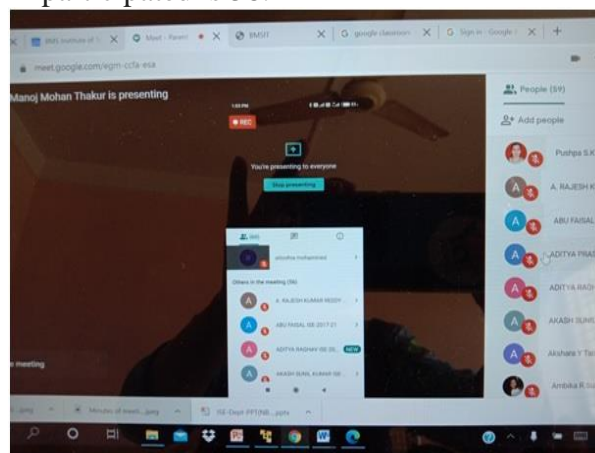
Department	%Completed
CSE	90.4%
ISE	95.5%
ECE	96.4%
EEE	95.7%
ETE	99.0%
ME	95.2%
CV	96.7%
MCA	94.7%
AI&ML	91.2%
<b>TOTAL</b>	<b>94.6%</b>

### Workshops / Faculty Development

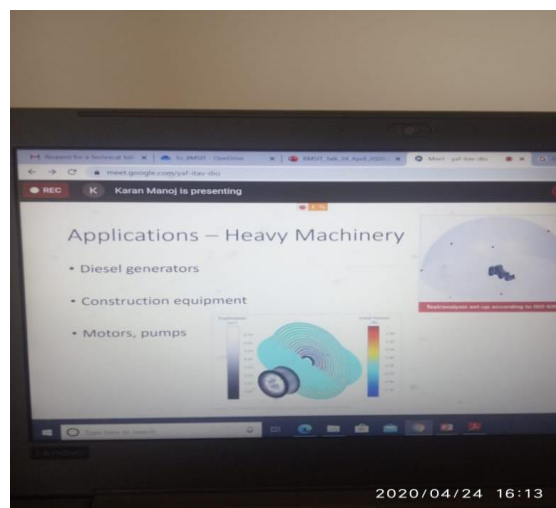
#### Workshop conducted/ organised:

1. The Department of Mechanical Engineering through its Aeroclub organised an online club activity on 03.04.2020 with Mr. Leo Peter Charles, Mr M. D. Jane Aerospace Pvt Ltd, Bengaluru delivering a talk on Flight dynamics, Aero modelling and flight simulation. There were 74 students and were benefitted with the knowledge of flight dynamics and aero modelling. The program was coordinated by Prof. Madhu M.C, Dr. Mohan Babu G N, Principal and Dr. K. M. Sathish Kumar HOD, ME were present during the online activity.
2. The Department of Mechanical Engineering through its SAE Club has organised a webinar on "**Electric Vehicles - Design, Simulation, manufacturing and Testing**" on 17.04.2020 from 3.45 pm to 5.00 pm. The webinar was conducted by Mr. Suraj S D, CEO, Decibels Pvt Ltd. The program was coordinated by Prof. Shripad Diwakar. A total of Fifty eight students participated in this webinar. The webinar highlighted about the Electric vehicles, its relevance and career opportunities in this field.
3. Department of Mechanical Engineering has conducted a webinar on the topic "**Career Prospects in CAE domain for Mechanical Engineering Students**" on 24.04.2020 from 3.00 PM - 4.30 PM. The resource person was Mr. Vivek, Business Development Manager –

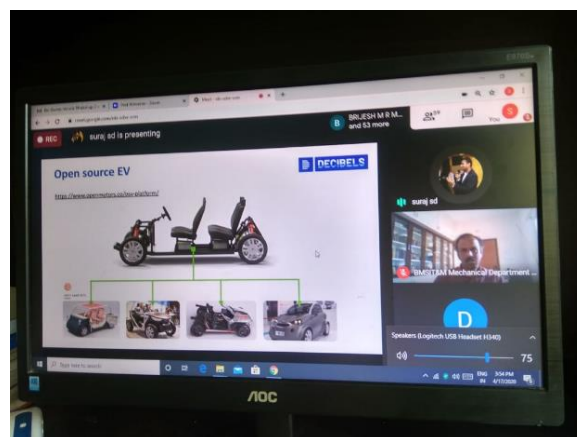
Acoustics, Indo-Pacific Region, Hexagon MSC Software, and Bangalore. Along with him, 5 Alumni of the ME Department for whom Mr. Vivek has assisted for placement also gave the inputs. Number of students participated is 58.



**Figure: Department of ISE conducted PTM from 20<sup>th</sup> to 22<sup>nd</sup> April 2020**



**Figure: Drone Activity**



**Figure: Electric Vehicles - Design, Simulation, manufacturing and Testing**

### Expert talk by our Alumni

1. Department of CSE organised the Online Alumni session on the topic **"Live Q&A, Session on Work Experience, College Stories & more!"** by Ms. Vidhi Shah from why and How, Alumni of CSE 2016 batch on 4.04.2020.



Figure: Online talk on Career Prospects in CAE by Ms. Vidhi Shah

2. The Department of CSE organised the Online Alumni session on the topic **"Live Q&A, Session on Data Mining: Why and How"** by Ms. Arundathi Shanbaug, Alumni of CSE 2019 batch on 18.04.2020.
3. Department of CSE organised the Online Alumni session on the topic **"Live Q&A, Session on Integration Technology Expert & Entrepreneur!"** by Mr. Himanshu P, Alumni of CSE 2019 batch on 26.04.2020.
4. As a preparedness for campus placement, an informative talk on "Campus life, academics, and placement preparation" by Ms. Pruthvika A, Associate Consultant, Allstate Solutions Pvt Ltd., was organized by the dept. Of EEE on 11.04.2020. This session was open to all students of BMSIT. It was attended by closely 90 participants from various disciplines. This talk was planned and organized by Prof. Kattimani H.D. and Prof. Ozwin Dsouza. She mentioned that a student needs to be a continuous learner and to foster this he/she needs to take up self-learning courses offered by different premier institutes across the globe. She also mentioned about the importance of knowing the potential employer before facing the interviews. She asked students to go through with Linked In and Glassdoor reviews of the employer.

5. Department of ETE organized an alumni talk on the topic "Technology Sales & conversion rate optimization" by Mr. Arvind Srikanth, Senior sales catalyst, Convertcart on 25.04.2020 from 4:00 P.M to 5:00 P.M through online. Students were given guidance on sales skills and given an insight on current going trends in the market. Clarity on choosing a career and how to narrow them down to make one career decision, and how career decision can result in their social, financial and emotional well-being throughout, placement related information ,and how to prepare.



Figure: Online Alumni session by Ms. Arundathi Shanbaug at dept of CSE

6. Department of ETE organized an alumni talk on the topic "Technology Sales & conversion rate optimization" by Mr. Arvind Srikanth, Senior sales catalyst, Convertcart on 25.04.2020 from 4:00 P.M to 5:00 P.M through online. Students were given guidance on sales skills and given an insight on current going trends in the market. Clarity on choosing a career and how to narrow them down to make one career decision, and how career decision can result in their social, financial and emotional well-being throughout, placement related information ,and how to prepare.

### CSI Activity :

1. **Riddles on computers (Instagram)**

CSI Student branch event was organized in this Quarantine to brush up the computer knowledge on 5.04.2020 on Instagram page between 3 pm to 5 pm . The event was open to all the students of BMSIT&M, around 10 Riddles on computers were asked in the social media (Instagram).

The winners of the event are Mr. Sai Pranav and Ms. Rakhi from 4<sup>th</sup> semester computer science and Engineering department .

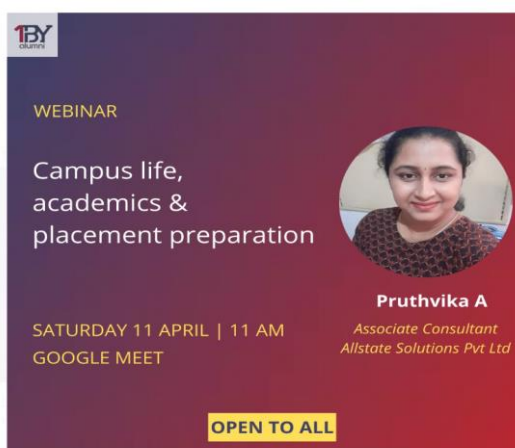


Figure: Online Alumni session by Ms. Pruthvika at Department of EEE

## 2. CSI Membership Drive Platform–Cisco Webex :

A Webinar on CSI membership drive was organized on 22.04.2020 through Google Meet at 5:00 pm by Prof. Vidya R, Asst. Prof and Ms. Roobini-IV sem, Ms. Prerana- IV sem, Ms. Aishwarya-VIII sem. This event was organized to motivate the students to register for CSI Membership .

### Departmental Co-curricular/Extra-Curricular Activities

1. Faculties of Department of AIML, conducted Group Discussion on the topics of latest technology on April 17<sup>th</sup> 2020 as a club activity.
2. Dr Anupama H S, Associate Professor, Department of AIML, conducted poster presentation for proctoring students on 03.04.2020 as a club activity.
3. Dr. Santhi Natarajan, Associate Professor, Department of AIML, mentoring 4 projects which have been selected for the third round of competitions in Anweshna 3.0.

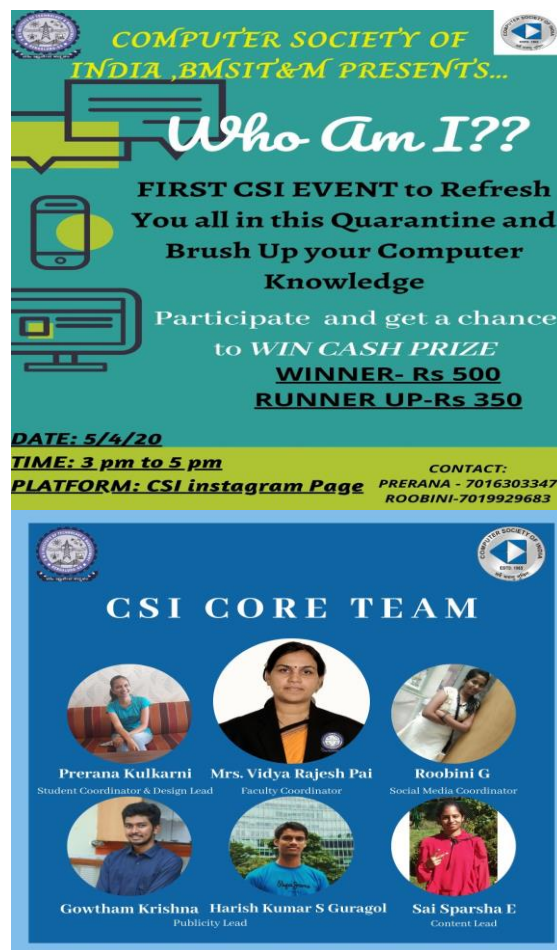


Figure: CSI-CORE TEAM

4. The dept of ECE conducted an Online student workshop on “**Design of Microstrip antennas for wireless applications using HFSS tool**” and was conducted on 06.04.2020 through Zoom online software. Prof. Banuprakash R, was the Resource person and Coordinator for the workshop. Around 11 batches with 42 students of VI semester had participated.
5. Dept. of MCA conducted Quiz on “**Current Affairs**” on 4.04.2020 for II semester students with 87% participation.

## Online Club Activities

SI No	Activity	Club	Date
1	Light Photography	Photography	5.4.2020 at 9 pm 30 participants
2	Online Quiz	IEEE student Branch	09.4.2020 50 students participated
3	Online Riddles	CSI	5.4.2020 3pm to 5pm 30 Participants
4	Webinar on AI, Robotics and Autonomous Technologies	IEEE student Branch	10/04/2020 70 students participated
5.	Webinar on Git for Beginners	IEEE student Branch	14/4/2020 80 Participants
6.	Workshop on Computer Vision for Robotics	Robotics Club	10/04/2020- 12/04/2020 60 Participants
7.	MOOCs on presentation Skills	Civil Dept	2& 4 <sup>th</sup> Sem 85 participated
8.	MOOCs on how to draft an effective CV	Civil Dept	4 <sup>th</sup> and 8 <sup>th</sup> Sem 70 participants
9.	Moocs on dynamics of environment	OIKOS	
10	A webinar on "Electric Vehicles - Design, Simulation, manufacturing and Testing.	SAE club, Mech Dept	17.04.2020.from 3.45 pm to 5.00 58 Participants
11	An invited talk on " VLSI Career Opportunities"	Department of ECE	17/4/2020 from 2 to 3pm. 100 participants
12	How to work with Virtual Lab	Department of EEE	17.4.2020 39 students participated
13	How to become a good coder	Coding Club, Department of ISE	17.4.2020 130 students participated
14	Quiz Second round	Akshay Urja	17.4.2020 18 students participaed
15	Effect of covid-19	AI&ML	17.4.2020 2to 4pm 31 students participated
16	E-session on "How to bag your dream Software Engineering job"	IEEE Student Branch	25 <sup>th</sup> April 2020 5pm, 74 students
17	E Session of "The Future of Supply chain"	Alumni Association	21 <sup>st</sup> April 2020

Sl No	Activity	Club	Planned Date and link	Time & No. of participants
1	Membership Drive	CSI	22 <sup>nd</sup> April 2020 through Google Meet <a href="https://forms.gle/FUskna7xF7u6tvq67">https://forms.gle/FUskna7xF7u6tvq67</a>	5 pm, 20
2	Data visualization Contest	CSE Dept	Every day by Dr. Hemamalini 120 students Conducted by External Agency	11 am, How many registered will not be known
3	Webinar on how to start a career in Data Science	CSE	24 <sup>th</sup> April 2020 120 students by Dr. Hemamalini conducted by External Agency	7.30 pm How many registered will not be known
4	A classical AI approach for building reliable systems	ECE Dept	25 <sup>th</sup> April 2020, , Link: <a href="https://meet.jit.si/bmsit">https://meet.jit.si/bmsit</a>	2 pm, 58
5	Peer graded Assignments Presentation skills contd. How to write CV	Civil Dept  2 <sup>nd</sup> and 4 <sup>th</sup> sem 6 <sup>th</sup> and 8 <sup>th</sup> sem	24 <sup>th</sup> April 2020 <a href="https://www.courseera.org/learn/how-to-write-a-resume">https://www.courseera.org/learn/how-to-write-a-resume</a> <a href="https://www.courseera.org/specializations/presentation-skills-to-write-a-resume">https://www.courseera.org/specializations/presentation-skills-to-write-a-resume</a>	2.45 pm, I year : 23 II year :28 III year :34 IV year: 19
6	Webinar on the "Career prospects in CAE domain for Mechanical Engineers"	Mech Dept	24 <sup>th</sup> April 2020 <a href="https://meet.google.com/jud-utgb-dhf">https://meet.google.com/jud-utgb-dhf</a>	3pm - 4.30 pm, 58
7	Talk/discussion/presentation on invention/innovation related to AI and related area	AI & ML	24 <sup>th</sup> April 2020	2.45 -4.15 pm, 45
8	Power of Python	Coding Club	24 <sup>th</sup> April 2020, 36 students participated <a href="https://forms.gle/xU52Ubfb4fWSZFGA9">https://forms.gle/xU52Ubfb4fWSZFGA9</a>	2.30 pm - 3.45 pm, 36

### OBE activity:

1. An Online quiz was conducted by Jagdish.P of CSE on Module-3 of Python application programming on 28.04.2020 and 83 students participated in this event.
2. An Online quiz for OOC-18CS45 subject Module -1 was conducted for the 4<sup>th</sup> Sem CSE students by Prof. Muneshwara M.S, Dr. Vishwakiran and Dr. Lakshmi on 14.04.2020.
3. Online quiz for OOC-18CS45 subject Module -2 was conducted for the 4<sup>th</sup> Sem CSE students by Prof. Muneshwara M.S, Dr. Vishwakiran and Dr. Lakshmi on 22.04.2020.
4. Online OBE Activity was conducted by Mrs Chethana. C, Assistant professor, on 11.04.2020, for the Subject: **Cryptography, Network Security and Cyber Law**. The Web Site address of virtual Lab and the Instructions were given to the Students of 6<sup>th</sup> Sem B and C section Students. The simulations were done by using various cryptography algorithms available in the Virtual Lab Platform. Around 71 students have responded for the activity in Google Class Room.
5. A Online quiz for C-Program for problem solving subject Module -2 was conducted for the 2<sup>nd</sup> Sem CSE students by Dr. Arunakumari B. N., on 30.04.2020 via Google Classroom, Total participants:53.
6. The department of CSE, 4<sup>th</sup> sem students made a short film - drip , shoot on 25- 26<sup>th</sup> of April 2020 Edited on 27-28<sup>th</sup> April 2020 , Story screenplay : Ranjith kishore A V (4<sup>th</sup> sem cse 'B' section), Directed by Ranjith kishore A.V, Gowtham Krishna (4<sup>th</sup> sem cse 'A' section), subtitles by Bharath Hegde ( 4<sup>th</sup> sem cse 'A' section), actors: lecturer : Bharath Hegde, student : Gowtham Krishna,Editing : Siddhanth Tripathi ( 4<sup>th</sup> sem cse ), Camera : Chethan Krishna, music : Pranav Kasetty.
7. Prof. Shivarudraiah B, Assistant Professor, ECE Department, conducted an on line quiz activity in the course VLSI Design on 17.04.2020 for 6<sup>th</sup> semester C section students.

8. Students of Department of ECE have registered for Coursera online courses. As per the statistics as on 28.04.2020, total of 360 students have joined for about 1014 courses and 73 students have completed at least one course with course completion rate of 13.91%.



**Figure: Student performing in Short film**

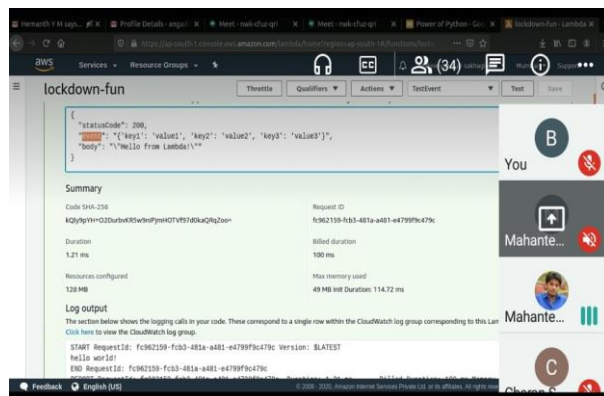
9. Renewable energy Online Quiz was conducted under Akshay Urja Club on 3.04.2020 at the institute level open to all the students. The quiz was conducted using Google form around 25 multiple choice questions were set in first round. There was good response since 53 students participated In first round. About 18 students are qualified for the second round. On 17.04.2020 second round of the quiz was conducted using Google form. The time given was 15 minutes with combination of multiple choice questions and fill in the blanks, around 15 questions were set. Nine students were able to submit within set time.
10. Prof. S.Mahalakshmi , Dept of ISE has conducted online Quiz for 4<sup>th</sup> sem B sec students through Google Forms on 16.4.20 for the course Operating systems 62 students have attended the quiz and 93% students got above 75% marks.
11. Prof. S. Mahalakshmi, Dept of ISE has conducted online Quiz for 6<sup>th</sup> sem students through Google Forms on 13.4.20 for the course Operating systems 69 students have attended the quiz and 94% students got above 75% marks.

12. Prof. Swetha M S, Dept of ISE has conducted online Quiz for 2<sup>nd</sup> sem F sec students through Moodle on 09.4.2020 for the course “Problem solving in C” for 66 students have attended the quiz and 96 % students got above 80% marks.
13. Prof. Shanthi D L, Dept of ISE has conducted online Quiz for 6<sup>th</sup> sem students through Google Classroom on 7.4.2020 for the course Operations Research 49 students have attended the quiz and 90% students got above 75% marks
14. Dr. Sheela Kathavate, Associate Professor, Dept. of ISE conducted an online Quiz for 4th semester ‘A’ section students through Google Forms on 9.4.2020 for the course Operating systems. 51 students attended the quiz and 92% students scored above 85% of marks.
15. Dr. Sheela Kathavate, Associate Professor, Dept. of ISE conducted an online Quiz for 4th semester ‘A’ Section students through Google Forms on April 17th, 2020 for the course Operating systems. 55 students attended the quiz and 93% students scored above 85% of marks.
16. Dr. Usha B A, Associate Professor, Dept. of ISE conducted an online Quiz for 6<sup>th</sup> semester section students through Moodle on 24.04.2020 for the course **data mining and data warehousing**, 20 students attended the quiz and 92% students scored above 85% of mark.

### Coding Club Activity:

1. A webinar session “**The Power of Python**” was conducted under the Coding Club from Department of ISE on 24.04.2020 from 2.30 pm to 3.45 pm. The event was conducted through Google Meet. Total 36 Students from CSE and ISE department of various semesters participated in the webinar. Speaker for the session is Mr. Mahanthesh C Angadi, Data Scientist, Sakha Technologies Pvt Ltd, has delivered various lectures on Python in workshops, FDP etc.,
2. A webinar session “opportunity to become a good coder” is conducted under Coding Club from Department of ISE on 3.04.2020 from 1.30pm to 2.30pm. The event was conducted through Zoom meeting. Around

27 students from various semesters of Department of ISE is participated in the webinar. Speaker for the session is Mr. Michel Bevan, 2019-Alumni of Department of ISE, BMIST&M currently working as software engineer, product analysis and customer support, Temenos India Pvt Ltd.



**Figure: Webinar on “Power of Python” conducted on 24<sup>th</sup> April as a part of Coding Club Activity**

3. A webinar session “How to prepare for competitive coding and placements” is conducted under Coding Club from Department of ISE on 17.04.2020 from 2.00 pm to 3.45 pm. The event was conducted by PrepBytes through Zoom meeting. Around 130 plus students from various Departments of BMSIT&M is participated in the webinar. Speaker for the session is Ms. Mamta Kumari, Co-founder of PrepBytes. The session is on competitive coding which helps students to clear doubts related to competitive coding and its importance. The webinar enlightened on Problem solving skills or coding skills, importance of subjects like operating system, DBMS, computer Networks, C/C++/Java , aptitude and project during placements. Few examples on fundamental questions of coding are also demonstrated in the webinar.

## Online Quiz

Sl. No.	Name of the faculty member	Semester/ Branch/ Sec	Subject/ Subject code	Topic	Details		
					Date	No. of Students /Total No.	No of students below average
1	Dr. Ramakrishnappa T	II-CSE B	Eng. Chemistry Lab 18CHEL26	Conductometry and Potentiometric Analysis	14/04/2020	69/72	7
2	Dr. Bincy Rose Vergis	II-ETE G	Eng. Chemistry 18CHE22	Chemical Fuels	25/04/2020	50/57	0
3	Dr K. H. Sudheer Kumar	II-CSE C	Eng. Chemistry 18CHE22	Electrochemistry	25/05/2020	60/71	0
4	Mrs Swetha G A	II -ISE E and F	Eng. Chemistry Lab 18CHEL26	Titrimetric Analysis	24/04/2020	131/131	4
5	Dr Jyoti Roy Choudhuri	II-ISE D	Eng. Chemistry Theory and Lab 18CHE22/18CHEL26	Conductometry and Potentiometric Analysis	10/04/2020	65/66	5
			Eng. Chemistry 18CHE22	Chemical Fuels	24/04/2020	65/66	4
			Eng. Chemistry Lab 18CHEL26	Complexometric Titration	28/04/2020	65/66	5
6	Dr Jyothi C Abbar	II -ISE E and F	Eng. Chemistry 18CHE22	Electrochemistry, Battery technology	15/04/2020	124/131	4
7	Dr Sureshkumar	II-CSE A	Eng. Chemistry 18CHE22	Module 1 and 2	11/04/2020	65/72	6
			Eng. Chemistry Lab 18CHEL26	Total Hardness and Colorimetry	28/04/2020	68/72	3

## Online Classes Conducted details:

The COVID-19 pandemic has changed education forever. The COVID-19 has resulted in colleges/universities shut all across the world. Globally, over 1.2 billion children are out of the classroom. As a result, education has changed dramatically, with the distinctive rise of e-learning, whereby teaching is undertaken remotely and on digital platforms. Research suggests that online learning has been shown to increase retention of information, and take less time, meaning the changes coronavirus have caused might be here to stay.

There are, however, challenges to overcome. Some students without reliable internet access and/or technology struggle to participate in digital learning; this gap is seen across countries and between income brackets within countries. For those who do have access to the right technology, there is evidence that learning online can be more effective in a number of ways. Some research shows that on average, students retain 25-60% more material when learning online compared to only 8-10% in a classroom. This is mostly due to the students being able to learn faster online; e-learning requires 40-60% less time to learn than in a traditional classroom setting because students can learn at their own pace, going back and re-reading, skipping, or accelerating through concepts as they choose.

**It the quest of meeting our students demand we at BMSIT&M have started online classes and during the month of April-2020 a total of 2989 classes have be handled.**

### Student Online Course completed:

- BMS Institute of Technology & Management started its association with Coursera on 4.04.2020 and Coursera is offering free online course to the students and faculty of BMSIT&M.*

### Statistics of the Courses offered by Coursera

<b>Total enrollments</b>	<b>4690</b>
<b>Total unique learners</b>	<b>1389</b>
<b>Learners who have enrolled in at least one course</b>	<b>1386</b>
<b>Current members</b>	<b>1516</b>
<b>Removed members</b>	<b>14</b>

<b>Total unique courses</b>	<b>801</b>
<b>Total course completions</b>	<b>982</b>
<b>Total verified course completions</b>	<b>982</b>
<b>Total unique course completers</b>	<b>467</b>
<b>Total estimated hours spent</b>	<b>10589</b>
<b>Learners who have completed 50% of a course</b>	<b>515</b>
<b>Learners who have joined the program but have not enrolled in a course</b>	<b>131</b>
<b>Learners who have enrolled in a course but have not completed any course</b>	<b>922</b>
<b>Learners who have enrolled in 1 course</b>	<b>543</b>
<b>Learners who have completed 1 course</b>	<b>266</b>
<b>Learners who have enrolled in 2 courses</b>	<b>338</b>
<b>Learners who have completed 2 courses</b>	<b>100</b>
<b>Learners who have enrolled in more than 2 courses</b>	<b>508</b>
<b>Learners who have completed more than 2 courses</b>	<b>101</b>

- AMAN RAI of 6th Semester CSE has completed 50 courses out of his 82 enrolled courses.**

1. Pramod Gouda (1BY18IS086) Of ISE 4<sup>th</sup> Sem 'B' sec has successfully completed **Ecology: EcoSystem Dynamics and Conservation** - an online non-credit course offered by Coursera on 25.04.2020.
2. Pramod Gouda (1BY18IS086) Of ISE 4<sup>th</sup> Sem 'B' sec has successfully completed **Climate Change International Legal Regime-** an online course offered by United Nations Institute for Training and Research on 25.04.2020.
3. Prajwal R (1BY18IS084) of ISE 4<sup>th</sup> sem B sec has successfully completed **Programming for Everybody (Getting started with Python)** an online non-credit course offered by Coursera on 27.04.2020.

4. Rakshitha R (1BY18IS096) of ISE 4<sup>th</sup> sem B sec has successfully completed **Programming for Everybody(Getting started with Python)** an online non-credit course offered by Coursera on 23.04.2020

#### **Student Achievements:**

- Pramod Gouda (1BY18IS086) Of 4<sup>th</sup> Sem B sec has participated in **COVID-19 Awareness Quiz** during 19th to 24.04.2020 conducted by Department of MCA, Ramaiah Institute of Technology, Bangalore, India.

#### **FACULTY DEVELOPMENT PROGRAM ON UNIVERSAL HUMAN VALUES**

A Faculty Development Program on Universal Human Values was conducted by AICTE for engineering institutions coming under South West Regional Office. The program was hosted by VTU. It was for all the Principals, Deans and Student Induction Program Coordinators. From our Institution, Principal, Vice Principal and all the three deans attended the FDP.

The FDP was conducted from 2.05.2020 to 6.05.2020. Excellent trainers steered each session. The FDP gave insights on many aspects of life and how, what we do and say have an impact on our children, students, employees, family members and others was beautifully explored.

#### **Some of the concepts explored were:**

**Happiness:** Happiness differs from person to person. Some seek material happiness which is temporary and some seek spiritual happiness which is eternal. Every person wants to be happy always as much as I want to be.

**Purpose of Education:** Should be of cooperative type, encouraging all to learn together, more a cooperative one. It should not be of competing nature but of achieving excellence. To achieve excellence in everything. Excellence is knowing things well. Competition is all about trying to be better than the other. Excellence in true sense is understanding everything to the core, whereas competition is just trying to be first or better than the other.

**Trust:** Trust gives assurance and makes one feel relaxed whether at work or at home. Trust is believing a person at all times and continuously.

**Respect:** Respect is mutually gained. Respect is an attribute of self and it is gained by doing good things.

**Gratitude:** Gratitude is a feeling of thankfulness for someone who extends help to me or for anyone in the family. Gratitude is the feeling of thankfulness for someone who helps my individual growth.

**Prosperity:** Prosperity is having a lot of wealth. Prosperity actually is having much more than I need.

**Who am I:** I am a human being? My reality is not my body but my soul. An additional thought of I am not just body but self also was taught.

**Family:** Family according to me is a fortress of well-being.. FDP underlined that Family is where we understand relationships and value relationships.

**Society:** Society is made up of individuals and families. Society is what is around me.

**Nature:** Nature is environment. We have to sustain nature and use it in such a way that we don't pollute it but rather consciously contribute to its betterment.

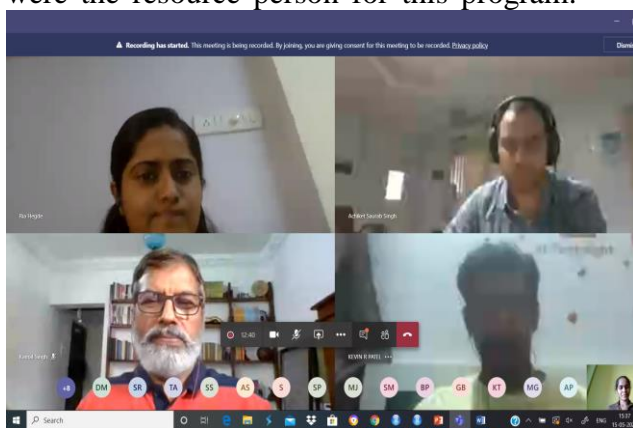
On the whole the FDP was an eye-opener for every person who attended it. There were lot of insights and soul searching concepts. Transformation of self and society was dealt very meaningfully. It also helped us to understand that dealing with students requires a lot of wisdom and an urge to transform them only can make a difference.

**Gnanavardhan:** Tech Talks are part of Gnanavardhan that bringing together all HOD's and Professors from across our campuses to share ideas and knowledge. They are informal 60 minute talks, generally held bi-weekly and intended to be inclusive of an array of IT and non-IT topics and participation. Below mentioned table contains the details of talks delivered by two faculty members in the month of April-2020.

Sl no:	Name of the Presenter	Date	time	Topic Of Presentation	Description
1	Dr Narapreddy Ramarao	22-04-20	11:00 – 12:00	EHV & UHV Power Transmission	Power is the basic key for growth of any country's economy. The increased demand of electricity, need to optimise the utilisation of power generation capacity and increase in the interconnections are the major issues which power sector dealing with. Energy consumption per person is also rising tremendously in developing countries. However, installing a new power plant case, huge transfer of power from generating plants to load centre at very long distance using bulky transmission lines is causing to upgrade voltage class to Extra High Voltage (EHV) and Ultra High Voltage (UHV). There are indications that EHV and UHV networks will grow at a very fast rate worldwide as compared to previous few decades. Increase in transmission distance with maximum possible reduction in power loss with saving in the economic costs of transmission lines is the major boost worldwide for moving from High Voltage to EHV and UHV. Growth of power sector infrastructure in India since its independence has been noteworthy making India the third largest producer and consumer of electricity in the world. The amount of power to be handled is increased from 11kV to 765kV in India.
2	Dr Jayadeva G S	29-04-20	11:00 - 12:00	Power Issues in Digital Design	In the present day almost all people possess electronic gadgets which are portable and have computational and communication facility equivalent to the Computer. This is made possible due to low power concepts incorporated at various levels in VLSI design. The topic covered various sources of power dissipation, and the methods adapted to reduce these dissipation. One of the technique used to reduce power dissipation is the adiabatic technique discussed in the presentation.

## Webinar and ILT offered for L&T, Bengaluru.

1. The Webinar on “Mathematics for Data Science” was live streamed by L&T, India on 30<sup>th</sup> April, 2020, for all the fresh engineering graduates to make them explore the avenues in this domain. The program went on for 3 hours with 320 participants across India streamed through Microsoft Teams platform. The Webinar was followed by a Q&A session. Prof. M. Sridevi, Asst. Professor, Dept. of MCA, BMSITM was the resource person for this program.
2. The online ILT program on “Mathematics for Data Science” was conducted through Microsoft Teams platform by CTEA, L&T, Madh, Mumbai for the employees of L&T from 11<sup>th</sup> to 15<sup>th</sup> May, 2020. The program was conducted for 15 hours spread across 5 days with highly interactive sessions and sustained interest of total 26 participants till the end, for extended hours, irrespective of the sessions being online. Many business problems and uses cases in the Data Science domain were discussed throughout. Prof. M. Sridevi, Asst. Professor, Dept. of MCA, and Prof. Gireesh, Asst. Professor, Dept. of ISE were the resource person for this program.

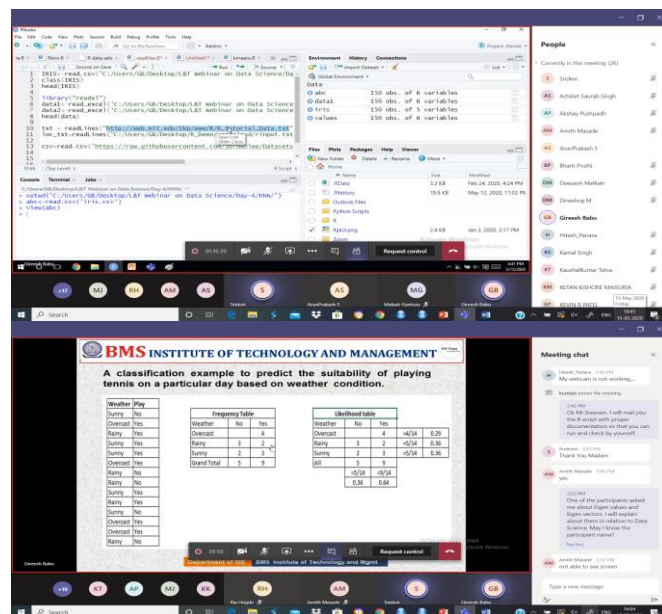


**Figure: Faculty interacting with team from L&T**

## ICT Academy:

Our institution is an active member of ICT Academy. During the Pandemic lockdown, ICT conducted a series of webinars to keep the faculty and students active and also to provide exposure to the post-pandemic world, job openings, and leadership qualities. A Power Seminar series was conducted wherein eminent

speakers including Vice-Chancellors of various universities- including VTU were invited to address the audience. The speakers also included eminent personalities from industries.

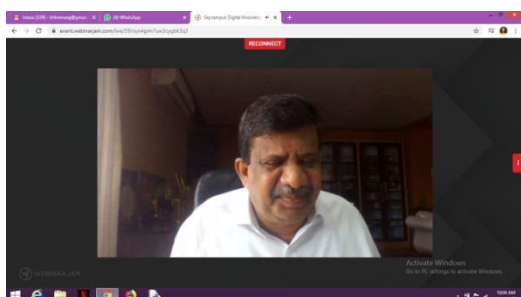


**Figure: Faculty delivering online ILT lectures**

## MHRD Innovation Cell:

A series of webinars were conducted on Leadership Talk by Dr. Abhay Jere, Chief Innovation Officer of MHRD, Innovation Cell. The speakers included Mr. Gautham Bambawale, IFS Retd., Indian Diplomat, Ex. India's ambassador to China and Lieutenant General Dr. Madhuri Kanitkar, on Twitter

@abhayjere. The faculties of BMSIT actively participated in the various talks.



**Figure: Vice-Chancellor and other dignitaries giving webinars in association with ICT academy**

### **Moodle (Learning Management System) at BMSIT&M**

Moodle (Learning Management System) at BMSIT&M is configured to conduct online MCQ- Based Internal Assessment for all the departments in each semester. 3226 Students across all the departments attended MCQ Based online assessment/Quiz during Covid-19 Pandemic Lockdown period. The entire process is carried out by Mr. Raju, Assist. Instructor, Dept of ISE under the guidance of Dr. Manjunath T N, Dean- ER.

### **HAND SANITIZER production @BMSIT&M:**

In continuation to COVID-19 precautionary measures taken towards college and hostel staff, at BMSIT&M a unit to produce in-house alcohol based hand sanitizer is set up with an initial budget of Rs 32,090.00/-.

The sanitizer manufacturing process will adhere the guide lines prescribed by WHO and ICMR, India. About five liters of sanitizer will be produced on daily basis. This volume will be sufficient for 1000 people per single use. One filled sanitizer plastic bottle (250mL capacity) will be supplied for each department as and when required. Dr. T. Ramakrishnappa, HOD, Dept of Chemistry is in-charge of the process of manufacturing and supplying it to various departments.

### **What is BMSIT&M doing to prevent the spread of coronavirus (COVID-19)?**

COVID-19 precautionary measures taken towards college and hostel.

- There shall be one entry and one exit in the campus.
- Before entering the campus, thermal screening is done at the security counter and hand sanitized.
- Washrooms are kept neat and tidy.
- Chemical spray has done in the campus, Corridors, stair cases, and restrooms, prior to the entry of the staffs also once students start coming will maintain the same.
- All staffrooms are cleaned with chemicals regularly.
- Hand sanitizers are kept in all departments and also Hand wash / hand sanitizer is kept in all restrooms.
- Masks were provided for all the housekeeping staff. Wearing masks has been made mandatory.

### **The following instructions were given to all housekeeping members**

- Simple hygiene measures can help protect your family's health and everyone else's.
- Avoid touching your eyes, nose and mouth.
- Cover your mouth and nose with your elbow or tissue when coughing or sneezing. Dispose of used tissue immediately.

- Maintain a distance of at least 1 meter (3 feet) from people who are coughing or sneezing.
- Wash hands frequently with soap and water for at least 20-30 seconds.
- Make sure to wash hands after you blow your nose, sneeze into a tissue, use the restroom, when you leave and return to your home.
- Using a hand sanitizer ensure that it contains at least 60 per cent alcohol, ensure coverage on all parts of the hands and rub hands together for 20-30 seconds until hands feel dry. If hands are visibly dirty, always wash hands with soap and water.

### Parents' feedback on Hostel facilities

We would like to first of all thank you for ensuring the safety & security of the students at the BMSIT Girls Hostel in Yelahanka. Most of the time, parents worry about their children being far away from their homes & are concerned at how they will manage all by themselves.

In this condition, the way you have taken care of the hostel students is commendable. Especially ensuring that they remain indoors all the time (without exception), eating nutritious food (mostly vegetarian) & fruits. I would like to thank you personally & also, on behalf of the College Management, for rendering wonderful service in a stressful & frightening scenario.

Thanks & regards

**- Jyotish Warriar, mother of Sharanya Warriar, 8<sup>th</sup> sem, CSE**

We are very much satisfied and thankful for your kind support in the prevailing days of such crisis.

**- From: Parents of Simran Dhar, 8<sup>th</sup> sem CSE. Jammu-India.**

I, Sanjoy Baruah F/O Amlan Shekhar Baruah of 4th sem in CSE take the opportunity to express my gratitude to the Authority of BMSIT&M for taking good care of all the students including my son who are still staying in the hostel. Lockdown for containment of outbreak of Covid-19 had stranded a lot of people/students in different places away from their home. BMSIT&M hostel is taking good care of the inmates by providing healthy food. This is highly

appreciable. 

### Counselling students during COVID19

Due to COVID-19 lockdown, mode of "Telephone counselling", was utilized. Dr Aparna madam referred 2 cases from MCA. Student A of MCA, had issue of 'loneliness', technical glitches of use of zoom app. Hence, he was counselled to "manage, overcome loneliness", he has overcome the above and is now in a state of normalcy.

Student B of MCA had issue of 'Low level of motivation to study' and hence required "Academic guidance". She was made aware of importance of present semester. 3 types of goals explained and 'time-management' skills were imparted. She shared, her sense of responsibility has increased.

Student C from MCA had issue of moderate "emotional disturbances" due to personal reasons. He was offered emotional support and understanding problem in first session technique of 'Directive counselling' was used to make him aware of 'self-care' and overcoming distress. He is stable now.

Student D of CSE had issue of "Experience of supernatural phenomenon in terms of frightening dreams". She was counselled to overcome fear.

By use of altering her negative thoughts, emotions and behavior. Her nightmares have reduced, she has stabilized. Support of friends enlisted.

Student E of CSE had the issue of “PROCRASTINATION” she was made aware of her role, responsibility. Importance of ‘academic’ and relationship with goals shared. Improvement was noted in tackling procrastination. Negative effect of procrastination shared.

To conclude, students have been counselled and follow up conducted on a regular basis. They have achieved normalcy.

The counsellor is in touch and had discussed the above issues with chief proctor Dr. Joje and Dr. Mala, Dean of student welfare.

### **Alumni Activities**

1. Number of registrations on portal as on 1<sup>st</sup> May 2020– **3870**
2. Webinars Conducted
  - a. Mr. Michael(ISE) – Webinar on “Opportunities to become a good coder”
  - b. Ms. Pruthvika A(EEE) – Webinar on “Campus life, academics & Placement preparation”
  - c. Ms. Arundati Shanbhag(CSE)– Webinar on “Data Mining: Why and How” on 18<sup>th</sup> April 2020 at 2.00PM
  - d. Dr. Raghavendara Selvan(ECE) – Webinar on “Machine Learning applied to medical image analysis” on 18<sup>th</sup> April 2020 at 3.00PM
  - e. Mr.Ashfaq Hussain Farooqui(ECE)-Webinar on “Supervisory Control Theory: A classical AI Approach for building reliable systems” on 25<sup>th</sup> April 2020 at 2.00PM.
  - f. Mr. Arvind Srikanth (TCE)-Webinar on “Technology sales & Conversion Rate Optimization” on 25<sup>th</sup> April 2020 at 4.00PM.
3. Alumni Instagram Takeover Weekend
  - a. Shruthi Mohan (TE 2015) – 3<sup>rd</sup> April 2020
  - b. Vidhi Shah (CSE 2016) – 4<sup>th</sup> April 2020
  - c. Pavan Murthy (ME 2016) – 5<sup>th</sup> April 2020
  - d. Lohith Chalam (TE 2007) – 12<sup>th</sup> April 2020
- e. G P Himanshu(CSE) – Integration Technology expert & Entrepreneur on 26<sup>th</sup> April 2020 at 5.00PM.
4. The Night Quiz on 11<sup>th</sup> April 2020 in association with BMSIT quiz club- QuizCraft.
5. Articles from Alumni collected and submitted for Manthana
6. Alumni Uncensored Interview series with “Dinesh Renganathan”- ME 2013, Test engineer at Robert Bosch Automotive steering.
7. A team of student are working on Mentorship programme, contacted around 50 top alumni and received positive response from 17 people till date.

### **Publication of Research Papers by the Faculty Members**

#### **International Journal:**

1. Prof. Muneshwara M .S, Abigail Angela Gracias, C G Neha, Preethi, Akarsh S , “ Soil Fertility Analysis and Crop Prediction using Machine Learning”, International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-9 Issue-6, April 2020.
2. Prof. Muneshwara M .S, “Aasthi – Asset Administration System” International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-9 Issue-6, April 2020.
3. Prof. Hema Malini B H, Suma V, Suresh L, Shankar M M, “Assessment of Performance of Students using Conditional Statistical Technique”, International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278–3075 (Online), Volume-9 Issue-5, Page No. 1025-1031, March 2020.
4. Prof. Thejaswini S, K M Ravi Kumar , “A Novel Method to Detect Inner Emotion States of Human Using Artificial Neural Networks”, International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8, Issue-6, March 2020, DOI:10.35940/ijrte.F9588.038620.
5. Prof. Swetha M S published paper “Comparison on Hyper ledger Fabric and Hyper ledger Composer of Block Chain Technology” got indexed in IEEE Xplore and Scopus database on 16 April 2020, with Electronic ISBN: 978-1-5386-8113-8 and

- Print on Demand (PoD) ISBN: 978-1-5386-8114-5, DOI: 10.1109/ICCS45141.2019.9065776.
6. Prof. Shivakumara T, Dwarakanath G V, Chethan A S, Muneshwara M S, Anand R, "Aasthi – Asset Administration System", International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN:2278-3075, Volume-9, Issue-6, April 2020.
  7. Prof. Shivakumara T, Rajshekhar M Patil, Shantakumar B Patil, "Self-Conceptualization and Multi Privileged Algorithm based Controller", International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249 – 8958, Volume-9, Issue-4, April 2020.
  8. Dr. Nandini. R.Nadar Assistant Professor, Department of Mechanical Engineering department has published a research article on "*Influence of MWCNTs / Zinc Oxide Nanoparticles / Epoxy Resin Composite Coating on Mild Steel to Enhance Anticorrosion and Mechanical Properties*" in International Journal of Innovative Technology & Exploring Engineering in, Vol-9, Issue -6, April 2020.
  9. Dr. Sangmesh, M Assistant Professor, Department of Mechanical Engineering department has published a research article on Performance Evaluation of Cryogenic Treated and Untreated Carbide Inserts during Machining of AISI 304 Steel in INTERNATIONAL JOURNAL OF AUTOMOTIVE AND MECHANICAL ENGINEERING (IJAME) ISSN: 2229-8649 e-ISSN: 2180-1606 VOL. 17, ISSUE 1, 7709 – 7718.
  10. Mr Kiran M D, Dr. H K Govindaraju, Mr. Lokesh Yadhav B R "Evaluation of Mechanical and Fracture Properties of Nickel Coated Short Carbon Fiber/Epoxy Composites with Nanofillers" Journal of Advanced Research in Dynamical & Control Systems, Vol. 12, Special Issue-02, 2020, DOI: 10.5373/JARDCS/V12SP2/SP2020109 0.
  11. Prof. S Pratibha, B Chethan, YT Ravikiran, N Dhananjaya, VJ Angadi, Enhanced humidity sensing performance of Samarium doped Lanthanum Aluminate at room temperature, Sensors and Actuators A: Physical Volume 304, 1 April 2020, 1119031.
- International Conference:**
1. Dr. Arunakumari B. N., 'An Efficient DFS Algorithm to Compute Least Longest Schedule Path of Software Projects', is Accepted for 4th International Conference on Inventive Communication and Computational Technologies (ICICCT 2020) indexed in Scopus held at Tamilnadu during 28-29 May 2020.
- Placement Activities at BMSIT&M**
- The student placement co-ordinators of pre-final year of Department of MCA participated in the Online Mock Interview (through GoogleMeet) organized by the Placement and Training Office on 19.04.2020. The panellists were alumni of BMSIT&M. The students found this exercise very interesting and highly motivating.
- Workshops / FDPs attended**
1. Dr. Vishwa Kiran S, Assistant Professor, Department of AIML, participated in the AICTE Training and Learning Academy (ATAL) online Faculty Development Program (FDP) on **Internet of Things** from 25<sup>th</sup> to 29<sup>th</sup> April 2020, organized by IIIT Nagpur.
  2. Vinod B R ,Assistant Professor, Department Of Civil Engineering attended one day online Workshop on **Writing a competitive Research Grant Proposal**, held on 27<sup>TH</sup> April 2020 under the banner of IEEE Bangalore Section, S J C I institute of technology , Chickballapur.
  3. Prof. Vinod B R ,Assistant Professor, Department Of Civil Engineering attended one day online workshop on **"Effective Online Engineering Education: Tips & Tricks"** organized by IEEE Bangalore Section on 26th April 2020.
  4. Prof. Shivarudraiah B, Assistant Professor, Department of ECE attended online FDP on **"Data Science & career Enrichment"** from 20<sup>th</sup> April 2020 to 24<sup>th</sup> April 2020, organized by AICTE through ATAL scheme in collaboration with Ministry of MSME Meerut.

5. Prof. Shanthi D L, Assistant Professor, Department of ISE, attended 5 Day FDP on **Internet of Things** from 15.4.2020 to 19.4.2020, conducted by Department of Computer Science and Engineering, NITTTR, Chandigarh (online).



**Figure:** Prof Shanthi D L Attended FDP On IoT at NITTTR, Chandigarh

6. Dr. Karabi Sikdar attended Faculty Development Program (FDP) on **Data Science** from 18<sup>th</sup> to 22<sup>nd</sup> April 2020, organized by AICTE Training and Learning Academy (ATAL).

### Online Quiz attended:

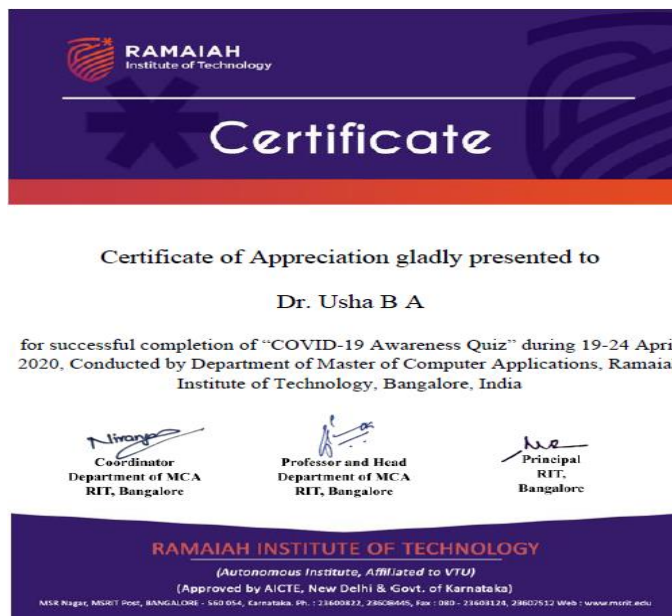
1. Dr Bharathi M A, Professor and HoD, Department of AIML, completed "**COVID-19 Awareness Quiz**" during 19-24 April 2020, Conducted by Department of Master of Computer Applications, Ramaiah Institute of Technology, Bangalore, India.
2. Dr Anupama H S, Associate Professor, Department of AIML, completed "**COVID-19 Awareness Quiz**" during 19-24 April 2020, Conducted by Department of Master of Computer Applications, Ramaiah Institute of Technology, Bangalore, India.
3. Prof. Vinod B R, Assistant Professor, Department Of Civil Engineering received Certificate of Excellence from **Internal Quality Assurance Cell (IQAC)**, Davangere University, Shivangotri,

Davangere, Karnataka for participating on **COVID-19 GENERAL AWARENESS QUIZ** on 26.04.2020.

4. Prof. Muneshwara MS, Assistant Professor, Dept. of CSE has attended the Online QUIZ on the topic "**COVID-19 Awareness Quiz**" on 23<sup>rd</sup> April 2020 held During 19<sup>th</sup>-24<sup>th</sup> April 2020.
5. Prof. Jagadish P, Assistant Professor, Dept. of CSE has attended the Online QUIZ on the topic "**COVID-19 Awareness Quiz**" on 22<sup>nd</sup> April 2020 held During 19<sup>th</sup>-24<sup>th</sup> April 2020.
6. Dr. Dankan Gowda V, Assistant Professor, Department of ECE has been awarded with Certificate of Appreciation for performing in **COVID-19 General Awareness Quiz** conducted by Davangere University on 26<sup>th</sup> April 2020 and by Ramaiah Institute of Technology on 24.04.2020.
7. Prof. Thejaswini S, Mrs Saritha I G, Mrs Sowmyashree M S, Mrs Sumathi M S and Mrs Prathibha M participated in World Intellectual Property Day (26.04.2020) **Quiz organized by IPR Cell** and Institution's Innovation council of Noorul Islam Centre for Higher Education on 26.04.2020.
8. Prof Gireesh Babu C N, Assistant Professor, Dept of ISE, has participated in **COVID-19 Awareness Quiz** during 19th to 24th april 2020 conducted by Department of MCA, Ramaiah Institute of Technology, Bangalore, India.



**Figure:** Prof. Gireesh Babu CN attended COVID-19 awareness programme



**Figure:** Dr. Usha B A attended COVID-19 awareness programme

9. Prof Usha B A, Associate Professors and HOD, Dept of ISE has participated in **COVID-19 Awareness Quiz** during 19th to 24th april 2020 conducted by Department of MCA, Ramaiah Institute of Technology, Bangalore, India.
10. Prof. Swetha M S, Assistant Professor, Dept of ISE, has participated in **COVID-19 Awareness Quiz** during 19th to 24.04.2020 conducted by Department of MCA, Ramaiah Institute of Technology, Bangalore, India.
11. Prof. Shreelakshmi T K, Assistant Professor, Department of Mathematics received Certificate of Excellence from **Internal Quality Assurance Cell (IQAC)**, Davangere University, Shivagangotri, Davangere, Karnataka for participating on **COVID-19 GENERAL AWARENESS QUIZ** on 26.04.2020.

#### Online Course completed:

1. Dr. Vishwa Kiran S, Assistant Professor, Department of AIML, Completed online course entitled **"Programming for Everybody"** (Getting Started with Python) at Coursera on 20.04.2020, Course offered by University of Michigan.
2. Dr. Vishwa Kiran S, Assistant Professor, Department of AIML, Completed online course entitled **"Python Data Structures"** at Coursera on 21.04.2020, Course offered by University of Michigan.
3. Dr Bharathi Malakreddy, Professor and HoD, Department of AIML, Completed online course

entitled **"Building Data Science Team"** during April 2020, by John Hopkins University.



**Figure:** Prof. Swetha M S attended COVID-19 awareness programme

#### Online Course completed:

4. Dr Bharathi Malakreddy, Professor and HoD, Department of AIML, Completed online course entitled **"HomeLand and Cybersecurity"** by University of Colorado, April 2020.
5. Prof. Shimna Manoharan, Assistant Professor, Department Of Civil Engineering has completed **Water Resources Management and Policy** by University of Geneva on April 2020.
6. Prof. Shimna Manoharan, Assistant Professor, Department Of Civil Engineering has completed **Mastering bitumen for better roads and innovative applications** by École des Ponts ParisTech on April 2020
7. Prof. Vinod B R, Assistant Professor, Department Of Civil Engineering has completed coursera west virginia university on the topic **"wood science : Beyond building"** on April 2020.
8. Prof. Vinod B R ,Assistant Professor, Department Of Civil Engineering has completed coursera university of michigan on the topic **"The science of success: what researchers know that you should know"** on April 2020.
9. Prof. Vinod B R, Assistant Professor, Department Of Civil Engineering has completed UCI Division of continuing Education on the topic **"Initiating and Planning projects"** on April 2020.

10. Prof. Vinod B R, Assistant Professor, Department Of Civil Engineering has completed coursera DUKE university on the topic **“Renewable Energy and Green Building Entrepreneurship”** on April 2020.
11. Prof. Vinod B R, Assistant Professor, Department Of Civil Engineering has completed coursera SUNY on the topic **“How to Write a Resume (Project-Centered Course)”** on April 2020.
12. Dr. Arunakumari B.N., Assistant Professor, CSE has completed **"Machine Learning A-Z™: Hands-On Python & R In Data Science"** online course in the Udemey.
13. Dr. Dankan Gowda V, Assistant Professor, Department of ECE completed Skillzcafe online course on the topic **“Java tutorial for complete beginners”** on 23.04.2020.
14. Dr. Madhu Palati, Assistant Professor, Dept. of EEE have completed three online e-learning courses **“Power Systems Earthing, Power System Transmission and Distribution and Power System protection”** capability development certificate by TATA STEEL, April 2020.
15. Prof. Siddiq Iqbal, Assistant professor, ETE has completed Coursera online course on the topic **“Asymmetric Cryptography and Key Management”** on 27.04.2020.
16. Dr. Sheela Kathavate, Associate Professor, Department of ISE has successfully completed a Coursera course on the topic **“Programming for Everybody (Getting Started with Python)”** on 18.04.2020.
17. Prof. Shreelakshmi T K completed COURSERA online Certification course on **“How to write a Resume (Project Centered course)”** conducted by The State University of New York on April 2020.
18. Prof. Shreelakshmi T K completed COURSERA online Certification course on **“Programming for Everybody (Getting Started with Python)”** conducted by University of Michigan on April 2020.
19. Prof. Shreelakshmi T K completed COURSERA online Certification course on **“Work Smarter, Not Harder: Time Management for Personal & Professional Productivity”** conducted by UCI Division of Continuing Education on April 2020.

#### Webinar Attended :

1. Prof. Vinod B R, Assistant Professor, Department Of Civil Engineering attended Webinar on **“General Concept of RCC Design Using IS Code** by Dr R K Ingle ,Professor, VNIT, Nadpur” organized by , Department Of Civil Engineering, K D K College of Engineering ,Nagpur on 27th and 28<sup>th</sup> April 2020.
2. Dr. HemaMalini B H attended a webinar conducted by ICT Academy under Season 3 of SkyCampus - **FUTURE IS HERE NOW** - Day 2 Expert Sessions (90 minutes) held on 28.04.2020.
3. Dr. HemaMalini B H attended a webinars held by MHRD in association with Institution's Innovation Council, MIC and AICTE, April 2020.
4. Dr. HemaMalini B H , attended online Leadership talk of Dr. Abhay Jere, Chief Innovation Officer, MHRD Innovation Cell, with Mr. Gautham Bambawale, IFS Retd., Indian Diplomat, Ex. India's ambassador to China on Twitter @abhayjere on 23.04.2020 at 11 am.
5. Dr. HemaMalini B H , Watching Leadership talk of Dr. Abhay Jere, on **“Changing Shape of Higher Education in Covid 19 era”**, on 26.04.2020 at 11 am
6. Dr. HemaMalini B H attended a webinars **ICT Academy Power Seminar on Job skills to succeed in a Post Pandemic** Hosted by ICT Academy , Suresh babu, Divyanshu Verma, Mahesh Narayan, Surya Prakash Mohapatra on April 2020.
7. Dr. HemaMalini B H participated in the webinars held by ICT Academy **SkyCampus – Digital Knowledge Series**, participated by our Honourable Vice Chancellor Dr. Karisiddappa on 30.04.2020, 10.00-11.00 am.
8. Dr. Seema Singh has participated in a two hours webinar on **Artificial Intelligence Programming using MATLAB** held on 11.04.2020, organized by CoreEL Technologies, India.
9. Prof. THEJASWINI S has participated in a two hours webinar on **Artificial Intelligence Programming using MATLAB** held on 9th April 2020, organized by CoreEL Technologies, India.
10. Prof. THEJASWINI S has attended the MathWorks Webinar on Deep Learning **“Introduction to Deep Learning with MATLAB”** webinar, held on 9.04.2020 from 3:00 PM to 5:00 PM.

11. Prof. Thejaswini S , Prof. Saritha I G , Prof. Sowmyashree M S and Prof. Sumathi M S attended online workshop on **“Writing a competitive Research Grant proposal”** on 27.04.2020 from 2.00 pm to 4.00pm organized by IEEE students Branch of SJCIT.
12. Prof. Shreelakshmi T K attended a webinar on **“EFFECTIVE ONLINE ENGINEERING EDUCATION: TIPS & TRICKS”** organized by IEEE Bangalore Section on 26.04.2020.(7:30 pm to 8:30 pm)
13. Prof. Shreelakshmi T K attended a webinar on **“WRITING A COMPETITIVE RESERCH GRANT PROPOSAL”** organized by SJCIT, Chickaballapur through IEEE Bangalore Section on 27.04.2020.
14. Prof. Shanthi D L, Assistant Professor, Department of ISE, attended webinar on **“Cybersecurity:Emergence of Software Defined Networking”**, held on 30<sup>th</sup> April 2020, conducted by CySecK, Cyber Security Karnataka.



**Figure:** Prof .Shanthi D L attended Webinar

15. Dr. Aparna K, Assoc. Prof & HoD, Department of MCA, attended a webinar on **“Using Technology to Deliver lessons in a crisis”** organized by EduTECHAsia on 9.04.2020.
16. Dr. Aparna K, Assoc. Prof & HoD, Department of MCA, attended a webinar on **“Future of AI inspired by Customer Use Cases for AI-ML”** organized by ICT Academy on 9.04.2020.

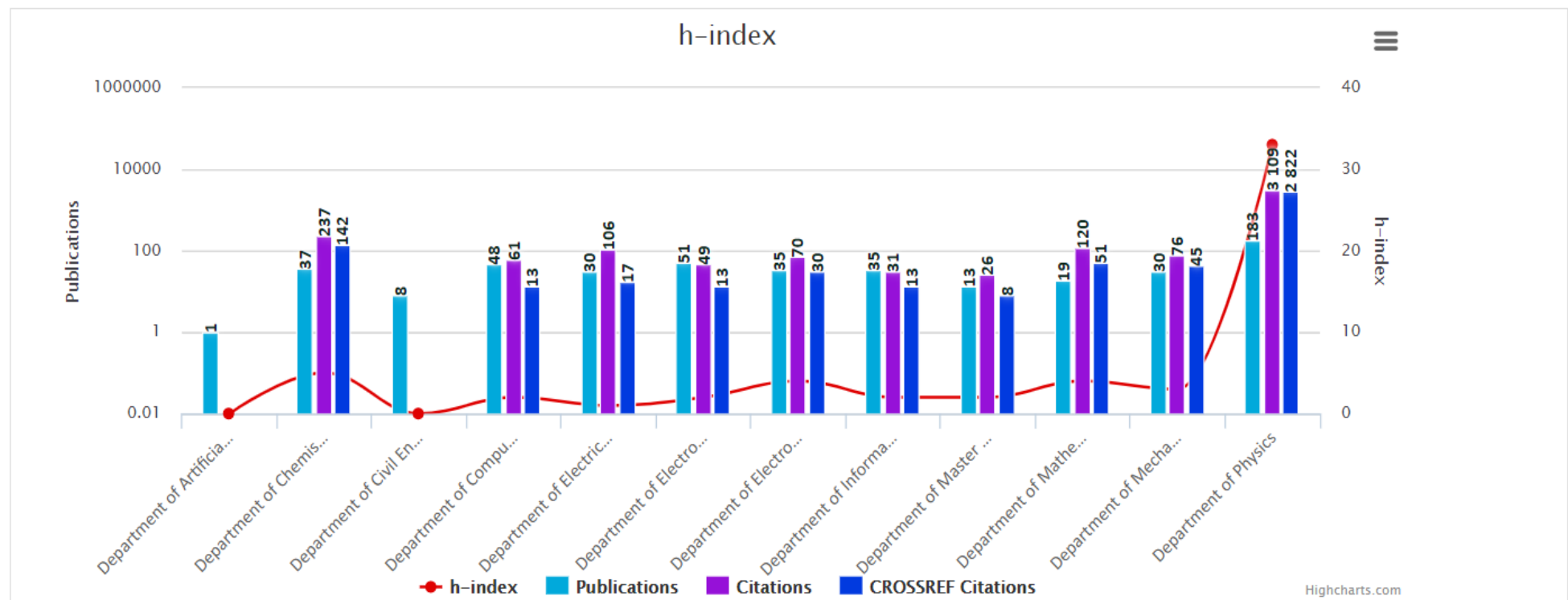
17. Dr. Aparna K, Assoc. Prof & HoD, Department of MCA, attended a webinar on **“Robotic Process Automation: Basics and Beyond”** organized by ICT Academy on 10.04.2020.
18. Dr. Aparna K, Assoc. Prof & HoD, Department of MCA, attended a webinar on **“Introduction to VMWare Cloud”** organized by ICT Academy on 11.04.2020.
19. Dr. Aparna K, Assoc. Prof & HoD, Department of MCA, attended a webinar on **“The Future of Making”** organized by ICT Academy on 14.04.2020.
20. Prof. Shivakumara T, Assistant Professor, Department of MCA attended Webinar Session followed by assessment on **“Threat Intel using OSINT”**, organized by CS-CoE- Cyber Security Karnataka (CySecK) in association with PurpleSynapz on 9.04.2020.
21. Prof. Shivakumara T, Assistant Professor, Department of MCA attended Webinar Session followed by assessment on **“Zero Trust – The perimeter is dead”** organized by CS-CoE- Cyber Security Karnataka (CySecK) in association with UNISYS on 17.04.2020.
22. Prof. Shiva kumara T, Assistant Professor, Department of MCA attended Webinar Session followed by assessment on **“Application Security beyond VAPT”** organized by CS-CoE- Cyber Security Karnataka (CySecK) in association with KSCST, 24.04.2020.
23. Prof. Shivakumara T, Assistant Professor, Department of MCA attended Webinar Session followed by assessment on **“Cyber Security: Emergence of Software Defined Networking”** organized by CS-CoE- Cyber Security Karnataka (CySecK) in association with CISCO, 30.04.2020.

#### **Others Activities:**

- Ideas on **“Ready to Improve Online Education in India”** were submitted to **#BharatPadheOnline** Portal by Dr. Aparna K, Prof. Sridevi, Prof. Venkatesh and Prof. Shivakumara T on 17.04.2020.

## Faculty Publication Information from IRINS site

IRINS is web-based Research Information Management (RIM) service developed by the Information and Library Network (INFLIBNET) Centre in collaboration with the Central University of Punjab. The portal facilitates the academic, R&D organisations and faculty members, scientists to collect, curate and showcase the scholarly communication activities and provide an opportunity to create the scholarly network. BMSIT&M through IRINS brings the details of its faculty research and publications details.



**Figure: BMSIT&M faculty publication details from IRINS website**