

Avalahalli, Doddaballapur Main Road, Bengaluru - 560064

MONTHLY PROGRESS REPORT FEBRUARY - 2020

Date: 15/03/2020

Memorandum of Understanding:

BMSIT&M has signed MoU with Industrial Technologies, Bengaluru to establish "Centre of Excellence in Industrial Automation".

The objective of the centre is to train the students in the field of

- > Automation Technologies
- > Hydraulics and Pneumatics
- > PLC, Sensors and Industrial IoT.
- > New trends in Automation





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Faculty Awards:

Mrs. HemaMalini B. H., Associate Professor, Department of CSE completed Ph. D. Viva-Voce examination on 4-2-2020 at Cambridge Institute of Technology, Bangalore–560036. Title of the doctoral thesis was "Predicting the Performance of Engineering students at Indian Scenario Using Machine Learning Techniques", under the guidance of Dr. Suresh L, Principal, Cambridge Institute of Technology and Dr. Suma V, Professor, Dept of ISE, Dayananda sagar College of Engineering, Bangalore. The PhD work was registered under VTU.



- **2.** Dr. Anil Kumar D, Assistant Professor, ECE Department awarded with Ph.D degree during VTU 19th annual convocation held on 8th February 2020.
- **3.** Dr. Surekha Gondkar, Associate Professor, ECE Department awarded with Ph.D. degree during VTU 19th annual convocation held on 8th February 2020.
- 4. Dr. Dankan Gowda V, Assistant Professor, ECE Department awarded with Ph.D. degree during VTU 19th annual convocation held on 8th February 2020. Title of the research is "Modeling and Performance Analysis of Antilock Braking System using Nonlinear controller" carried out under the guidance of Dr. Ramachandra A C Prof. &Head Department of ECE, NMIT.



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- 5. Dr. P Ganesh, Associate Professor, Department of MCA was awarded the Ph.D. Degree in the 19th VTU Convocation held on 8th February, 2020 at VTU, Belagavi.
- 6. Mr. Venkatesh R of BMSIT&M awarded the Ph.D. degree from Bharathiyar University under the guidance of Dr. Dhananjaya N on 20.02.2020.
- 7. Dr. Sangmesh B had been to S J C Institute of Technology for the Faculty Convention of ISTE as the Chief Guest on 4 Feb 2020. Also as a part of Student Convention, He also had been to KS Institute of Technology, Bangalore as the Chief Guest on 22 Feb 2020.



Chief Guest for Convention of ISTE



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Student Awards/Achievements:

1. Two students Adityan A (1BY19EC008) and Akin Anto (1BY19EC010) from the ECE Department participated in a National Level Technical Fest UDAAN 2020 held at Nitte Meenakshi Institute of Technology, Bangalore on 24th and 25th February 2020. They bagged the first prize and a cash prize of Rupees 600 in Aviation Quiz. They also bagged the Second Prize in Quadcopter Competition and a cash prize of Rupees 4000.



- Divyatha S Prabhu student of department of ISE has won the first prize in "Classical Solo Dance" at Kristu Jayanti College on 20th February 2020.
- 3. Vikas C, Darshan J, Praveen Kumar D S and Vinod B R has presented a project titled Plastic tiles with fire proofing and won first prize (along with a cash prize of Rs: 10,000/-) in "Jnana Vijnana Tantrajnana Mela -2020" which was held on 19th and 20th February 2020 at Sri Kshetra Adichunchanagiri Mahasamsthana Math, Nagamangala Taluk, Mandya district.





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Session Chair:

 Dr.Raju Hajare, Associate professor, Dept of ETE, participated as member of Panel of Judges for evaluating Electronics projects exhibited at Southern India Science Fair-2020(held during 28-1-2020 to 1-2-2020) and is organized by Visveswaraya Museum at Satyabhama University Chennai.



Fig1. Dr Raju Hajare as a Panel judge

 Dr. Daruka Prasad B session the chair at international conference on "Advances in materials, ceramics and Engineering Sciences" held at Dayanand Sagar College of Engineering, Bangalore on 18th January 2020.

Faculty as Resource Person:

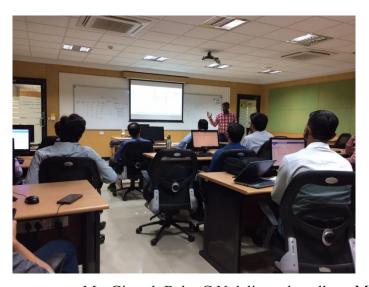
- 1. Dr. Bharathi M A and Dr. Santhi Natarajan from AIML Dept, are guiding Two Batches students on Machine Learning Projects of NITK Suratkal.
- **2.** Mr. Vinod B R, Assistant professor, Department of Civil engineering has extended their support as Resource person for five day faculty development program on "Modern trends in civil Engineering" from 10th to 14th of February 2020 at *Dayananda Sagar Institute of Technology*.



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3. Mr. Gireesh Babu C N, Asst. Professor, Department of ISE and Mrs. Sridevi M, Dept. of MCA has extended their support and conducted a corporate training program on "Mathematics for Data Science" at L&T campus, Madh, Mumbai from 24th to 26th February 2020 under CoE "Data Science - BMSIT&M".





Mr. Gireesh Babu C N delivered a talk on Mathematics for Data Science" at L&T campus

4. Ms. M. Sridevi, Asst. Professor, Dept. of MCA has extended her support as resource person for the corporate training program conducted on "Mathematics for Data Science" at Corporate



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Technology & Engineering Academy, Larsen & Toubro, Madh, Mumbai from 24th to 26th February, 2020.



Ms. Sridevi interacting with the employees of L&T

Out Reach Activity:

1. Visit to IISc for "National Science Day celebration on 29th March, 2020 for "National Science Day" celebration with the BMSIT&M students.





2. Mr Vinod B R, Assistant Professor, Department of Civil Engineering has extended their support for AICTE activity on 5th Feb 2020 at Addivishwanathapura village. This activity was carried out in Addivishwanathapura village, Rajanakunte Grampanchayat, Bangalore rural district on 5th Feb 2020. This village is located 8km from BMSIT& M College towards Doddaballapur road. Students were carried out cleaning of park and government school. There were about 30 students participated in this program. The students were happy to interact with village people. Coordinated by Mr Vinod B R, Miss Pooja, Mr. Mahesh Kumara AM.



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- 3. AICTE activities were carried out in Sreeranahalli village, Rajanakunte Grampanchayat, Bangalore rural district on 4th Feb 2020. This village is located 8km from BMSIT& M College towards Doddaballapur road. Students were given awareness to village people about Aadhar Card, Ration Card and Industrial development. Further students were discussed and collected information about Village history, Shops, Hospitals, Schools and college. There are about 41 students participated in this program. The students were happy to interact with village people.
- 4. Dr. Chandrashekharappa A , Assistant Professor, Department of Civil Engineering has extended their support for AICTE activity on 4th Feb 2020 at Sreeranahalli village, Rajanakunte Grampanchayat, Bangalore rural district







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- Dr. Rajesh Gopinath, Associate Professor and Mrs. Prasanna G, Assistant Professor, Department of Civil Engineering has extended their support for AICTE activity on 4th Feb 2020 at Sreeranahalli village, Rajanakunte Grampanchayat, Bangalore rural district.
- 6. BMS Institute of Technology and Management students were carried out AICTE activity in Sreeramanahalli village, Rajanakunte Grampanchayat, Bangalore rural district on 6th Feb 2020. This village is located 8km from BMSIT& M College towards Doddaballapur road. Students were interacted with village people about awareness of Aadhar Card, Ration Card, and Industrial development and also collected above data from the village. Further students were cleaned the park and discussed about Village history, Shops, Hospitals, Schools and college. Dr. Rajesh Gopinath and Mrs. Prasanna G faculty members had accompanied the students.





7. Prof. Chethana C Assistant professor Department: CSE has extended their support for "**Job Fair for Disabilities**" on 23th Feb 2020 at KSRP ground, Madiwala, as a part of NSS work, Volunteered as On Spot Registration member. CSE Students volunteered as wheelchair helpers.



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8. Prof. Chethana C, Assistant professor, Department of CSE has extended their support for Maintenance of trees at Aladahalli Betta on 02nd Feb 2020 as a part of Kumudavathi River Rejuvenation project started by **Art of living.** Many weeds were removed and cleaned around the trees. We also acquired knowledge about various medicinal plants available here.





- 9. AICTE activity was conducted for the students of 4th Sem CSE from 03rd Feb 2020 to 07th Feb 2020 coordinated by Prof. Muneshwara M.S, Prof. Anand R, Mr. Adinarayanareddy M, Mr. Venkatesh Banagar, Mr. Harinath H.N. AICTE activity of five days was organised by us in collaboration with Vande Bharatam, NGO.
- 10. Orientation program at Sir MV auditorium, BMSIT held on 03rd Feb 2020, Students were given a detailed description of activities to be done and explained the plans and schedule set by Vande Bharatam. Students were divided into three groups and tasks were assigned to each group.



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- 11. Three villages namely Nagadasanahalli, Muddanahalli and Ramagondanahalli were assigned to three groups respectively. Students surveyed the entire village in these three days. They collected those data which were asked by Vande Bharatam. Students in each group were divided into subgroups and each subgroup collected data of Twenty-five house from 04th to 07th Feb 2020.
- 12. Clean up and plantation drive: Students were divided into two groups and worked at Addiganahalli and Adhe Kadathanamale village. Students cleaned few public places such as Schools and watered around three hundred saplings planted by Grama panchayat on 05th Feb 2020.







13. As part of AICTE student activity around 33 IV semester ETE students have completed 50 hours of activity from 03.02.2020 to 07.02.2020 carried out at Rajanukunte village, Bangalore North Taluk. The activities carried out are Data collection of villagers, clean up activity, Awareness about plastic free village etc. All the faculties of ETE department have coordinated the activity on daily basis. This activity was carried out in association with an NGO Vande Bharatham.



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Fig10.AICTE activity by Staffs and students

14. Prof. S. Mahalakshmi and Prof Veena .N , Assistant Professor, Department of ISE has extended their support for AICTE Activity conducted on 4.2.20 at Addigenahgalli, Rajankunte.



Data collection under AICTE activity for 4th sem at Addigenahgalli, Rajankunte



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15. Prof. Swetha .M .S and Prof Chandreskar .K .T, Assistant Professor, Department of ISE has extended their support for AICTE Activity conducted on 6.2.2020 at Adde Vishwanathapura, Rajankunte.



Social activity conducted under AICTE for 4^{th} sem at $\,$ Adde $\,$ Vishwanathapura , $\,$ Rajankunte

16. Prof. Ashwini N, Prof Shanthi D L, Mrs. Arpitha H M and ,Mr. Raju Department of ISE has extended their support for AICTE Activity conducted on 5.2.2020 at Adde Vishwanathapura , Rajankunte.



Cleaning activity conducted under AICTE for 4th sem at Adde Vishwanathapura, Rajankunte



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17. Prof.Ambika and Prof Bhavya G,Assistant Professor, Department of ISE has extended their support for AICTE Activity conducted on 7.2.2020 at Adde Vishwanathapura, Rajankunte.





Data collection under AICTE activity for 4th sem at Adde Vishwanathapura, Rajankunte

Collaborative Research:

Dr. Ramakrishnappa T, Associate Professor, Department of Chemistry has started the collaborative research with the Chemical Engineering Department students Nishant D. M., Sumanth T. S., Praneeth, and Vishal V. S. (working under Dr. Puttaswamy) of **BMS College of Engineering**; **Bangalore** based on the nano technological applications of graphene.

Memorable Moments / Best practices

Extra Curricular Activities:

1. Chandana N Swamy bearing the USN 1BY17CV016 of 6th semester, Civil Department performed KATHAK dance on the auspicious account of MAHASHIVARATHRI in Gayathri Devi Temple, Yeshwanthpura, Bengaluru.



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2. Chandana N Swamy bearing the USN 1BY17CV016 studying in 6th semester, Dept of Civil Engineering performed the dance KATHAK on 22/02/2020 for the festival "UTSAVA HABBA" which was organised by the Veeranjeneya Swami Prasanna Temple, Mahalakshmi Layout, Bengaluru.

Alumini Meet

About 20 alumni from department of Civil Engineering actively participated in the alumni meet which was held in the Amphi theater on Feb 15, 2020. The alumni interacted with the faculties of civil department on various aspects related to placement opportunities, industry expectations, skill enhancement programs.



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FIRST YEAR INDUCTION PROGRAM

First year induction program was conducted from 10th to 19th Feb 2020 in the various Departments, BMSIT&M.

• An eight day Induction program was conducted in the Dept of AIML for 1st year students from 10th Feb 2020 to 17th Feb 2020. Many activities was Conducted and listed for the students.





The Programme conducted by Dept. of Computer Science & Engg. are listed below:

Thought for the day:

Motivational talk on importance of attending classes regularly Dr. Anil G N, Dr. Mahesh G, Dr. Anjan K, Dr. Sunanda Dixit, Mr.Shankar R, Mr. Guruprasad S.



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Briefed about the Importance of Internships. Employers in today's labour market rely heavily on resumes that illustrate a relevant work history, whether that's from internships, volunteer work, or actual job experience. A practical work background carries a major significance when attempting to enter the job market. It's all about competition. Not only are businesses competing against each other for a competitive advantage, but people are also competing to land that coveted position in a company.







Universal Human Values

As a part of the human values program, a movie based on the true story of indian mathematician Srinivasa Ramanujan "The man who knew infinity" was shown to the students. The Movie is a True story of friendship forever changed mathematics. In this movie Srinivasa Ramanujan, a self-taught Indian mathematician genius, travelled to Trinity College, Cambridge, where over the course of 5 years, forged a bond with his mentor, the brilliant and eccentric professor, G H Hardy. This is Srinivasa Ramanuja's story as seen through Hardy's eyes. Coordinated by Dr. Mahesh G, Prof. Guruprasad S and Prof. Muneshwara M S, Mr. Shankar R, Dr. Satish Kumar .T.





Innovation/Incubation/IPR/EDII/Entrepreneurship cells/ Placement activity

Importance of placements and teamwork was discussed. Different activities related to placements was discussed coordinated by Prof.. Shruthi. J and Prof.. Rajesh N V



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Ice breaking sessions

- Ice breaking activity was conducted for the students from 8:30 9:30. A debate competition on Autonomous Vs University affiliated system was conducted for the students. Prof. Shruthi.J, Prof. Vidya R Pai.
- Ice breaking activity was conducted for the students from 8:30AM to 9:30AM. Students have shared their VTU examination experience and also discussed mission towards recent trends and technologies of computer science. Dr. Aruna Kumari B N, Dr. Manoj H.
- Ice breaking activity was conducted for the students from 8:30AM to 9:30AM. Students shared their views on likes and dislikes at BMSIT. Dr. Satish Kumar .T, Prof. Guruprasad S, Dr. Mahesh G.



Local Visit to Sarvodaya Service Society Vijayapura, Devanhalli on 12th Feb 2020

Interacted with the inmates of the rehabilitation center. The initiative of the centre to make the women self-sustained and independent was really appreciative. The center had mentally retarded children and old age people who were deserted by their respective children.



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The condition was really heart touching. It was a lesson to our students that they said if we go abroad we will not ditch our parents. Coordinated by Prof. Chethana C, Prof. Jagadish P







Creative Arts

- Conducted an activity on Smart devices. Students actively participated and presented their ideas in making anything as smart. Coordinated by Prof. Ravi Kumar, Prof..Durga Bhavani, Dr. Aruna Kumari B N
- A debate competition was organized for students. The students were given topics on women safety, societal and economical issues. The students argued and gave a nice talk on women related problems in the society, the measures to be taken to safeguard women abuse, the death penalty on women abuse crimes. The competition aimed to improve their communication and verbal skills. This also helped them in improving their creative skills where they had to think and formulate ideas on the spot. Coordinated by Prof. Srivani P, Dr. Aruna Kumari B N, Prof. Shreelaxmi
- A debate activity conducted regarding social and national issues. This activity motivated the students to improve their communication skills and also help them to improve their social thinking. Coordinated by Prof. Srivani P, Dr. Aruna Kumari B N.

Club Activity

The club activities and different clubs of the department were presented. CSI, IEEE CS, Robotics club activities and opportunity to engage in such club activities. Coordinated by Prof.Shruthi J, Prof.Vidya R, Dr Anjan Krishnamurthy, Prof. Ravikumar B N.



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Literary activity

Photography Session: Those who love to travel have surely taken a lot of landscape photos. Contrary to popular belief, this genre is not limited to horizontal photos, as it may be necessary to shoot vertically when capturing tall trees, mountains, and anything else that you may feel compelled to capture while exploring the great outdoors. Coordinated by Prof. Shruthi .J, Prof. Vidya R Pai, Prof. A. Mari Kirthima.



Talk by Eminent Person

Mr. Pradeep M, Director-Information Technology, Netenzaa Innovations Pvt. Ltd. delivered a session on "**Robotic Process Automation – Digital workforce**" coordinated by Dr. Sunanda Dixit, Prof. Muneshwara M. S





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M. TECH ANNUAL ALUMNI MEET

The M.Tech Annual Alumni meet was hosted on 29th February 2020. The event was well organized by the Dept. Alumni Coordinators/PG Coordinators.

- The event started with a warm tea session where the alumni, faculty and HOD were graciously welcomed and shared a networking session where we could find many charming faces recalling their journey at the college.
- The event was taken over by our Dept. HOD and other dignitaries who addressed the gathering and boosted some enthusiasm through their valuable words.
- HOD were addressed about the PG NBA to Alumni. They were also informed about the Program Outcomes, Programme Educational Objectives, Vision and Mission.
- Later the event continued with the open discussion, the theme of the day where we witnessed many young talents who performed and made the meeting a delightful. It was then followed by a Lunch session.





The Programme conducted by Dept. of Electronics and Communication Engg. are listed below:

Following are the activities that were part of induction program:

Creative Arts, Universal Human Values, Visits to Local Area, Literary, Club activities and Performance by the Students.



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ECE_FEB_FIG3



ECE_FEB_FIG4



ECE_FEB_FIG5



ECE_FEB_FIG6



ECE_FEB_FIG7



ECE_FEB_FIG8



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ECE_FEB_FIG9

Dr. C. S. Mala, Professor & Dean (Student Welfare) organized a expert talk titled "Sustainable Development for Climate solutions" for students and Faculty members of the Institute on 19th February 2020. The resource person was Padmashree awardee Dr. Janak Palta, Director, Barli Development Institute for rural Women, Indore, Madya Pradesh.



ECE_FEB_FIG10

ECE_FEB_FIG11

Hubli Meghana student of 6th semester ECE Departmernt performed a group dance in Bangalore International Film Festival (BIFFES) during inauguration ceremony. The 12th



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edition of this event was held between 26th Feb & 4th March in Bangalore. She took the guidance from Smt. Anuradha Vikrant.



ECE_FEB_FIG12

The Programme conducted by Dept. of Electronics & Telecommunication engineering are listed below:

Induction program is a Transition from one environment to other environment that is university/college life is one of the most challenging events in a students' life. New students enter an institution with their diverse thoughts.

The Department of Electronics & Telecommunication engineering conducted 9 days induction program from 10th Feb 2020 to 17th Feb 2020 for the 2nd sem students, right at the start. Its purpose is to make the students feel comfortable in their environment, create a bonding with their classmates and faculties. It also helps in developing awareness, sensitivity and understanding of the self and society. The following are the activities under the induction program took place in which the student were fully engaged throughout the day for the entire duration of the program.

Thought for the day / Ice breaking sessions

An icebreaker is an activity, game, or event that is used to welcome and warm up the conversation among students in class, team building session which requires people to comfortably interact with each other. Department had conducted Icebreaking sessions where department faculties and students participated effectively and performed various Ice



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breaking sessions such as Mind thinking, Today's Telecommunication, Importance of Sense Organs, Education purpose, GET TO KNOW YOU Bingo, Students had nice thoughts for every day and they were comfortable with their friends and staffs.







Fig2. Icebreaking sessions by various Faculties

Universal Human Values

It gets the student to explore oneself and allows one to experience the joy of learning, stand up to peer pressure, take decisions with courage, be aware of relationships with colleagues and supporting staff in the hostel and department, be sensitive to others, etc..

Department conducted talk on "the importance of having human values by scientific and technical education students "by Mr. C. P. Mallikarjun gowda," Value of the Truth" by Mr. Prashanth N A, "Characteristics of Human values" by Mr. Ganapathy hebbar. Department arranged a movie "Children of Heaven" played for duration of 90 mins to make students to know about Importance of relations and money.



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Fig3. Events on Human values

Literary activity

Literary activity would encompass reading, writing and possibly, debating, enacting a play. etc. Department conducted the literary activity by Mrs Saritha I G on the topic "corona virus "which is infecting many people which lead to pathetic death of life in china , Chinese health authorities continue to battle an outbreak of a pneumonia-like illness, first detected in the central city of Wuhan in December. Students had healthy discussion, they learnt group discussion and report writing.



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Fig 4. Literary activity by the students

Creative Arts

Creative arts would allow for creative expression. It would develop a sense of aesthetics and also enhance creativity which would, hopefully, flow into engineering design later. Students of ETE were asked to prepare posters on the theme to promote Gender Equity or Empowering Women. They were asked to showcase their posters at the end of the session and was evaluated BY Mrs. Thejaswini S & Mrs. Shilpa. Students expressed their views through posters. The session was conducted by Mrs. Thejaswini S and Mylar Shreekaran, 6th sem ETE student assisted the students to complete their posters.







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Fig5. Creative arts by the students

Cultural activities & Sports: Cultural activities was organized at central level in amphitheatre. Two students Ms. Ninada and Ms. Tanushree participated in this event and got appreciation from the audience. They both sang a song and represented department of ETE.





Fig 6. Cultural activity by the students

Sports session was held and students were made into group to play Table tennis, carom, and other games. Students actively participate in this event and enjoyed the session.



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Fig 7. Sports by the students

NSS Activity: Student where explained the importance NSS. How it plays important role in India. Currently more than 36.5 lakh volunteers are enrolled in 39,695 NSS units spread over 391 Universities/ +2 Councils, 16,278 Colleges and Technical Institutions and 12,483 Senior Secondary Schools. Since its inception, over 4.78 crore students have benefited from NSS. Student where explained the importance of society and its need.

Students took part in the "Swachh Bharat" initiative and cleaned our campus. A lot of plastic and cardboard items were collected and disposed off appropriately. Students learnt a lot about the kind of problems our society faces when it comes to garbage and its disposal. They also learnt the importance of team work and we learnt that cleanliness is necessary for a healthy and happy life.



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Fig8.NSS activity by students

Higher semester Induction Program:

Department of ETE organized Induction program for higher semesters (4th, 6th & 8th sem), HoD
and Class Coordinators discussed about the department previous semester results, ranks, cocurricular activity and placements etc.





Fig9.Induction program for Higher semester

Department of ISE under a coding club conducted an orientation on the club to all the registered students on 28th Feb 2020 in ISE seminar hall, All the students were informed about the roles and responsibilities of the club, activities planned through club etc., Dr. Pushpa S K also enlightened the students on the importance of coding for IT students and benefits from club. Ms Yashashwini from 8th Sem who is a student placement coordinator shared her experience to all. Mr. Keerthi Raju, 8th sem also shared his experience while sitting for placements.



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Ms. Richa Khandelwal Bhat from Keshava Productions delivered a session on film production house and 5 businesses that operating under Keshava Productions.





Welcoming the speaker and session by Ms. Richa Khandelwal Bhat

Dr. Pushpa S K discussed the topic on how to use waste and do paper craft in a well presented way. By Paper Crafting student got involved in a wide and varied mixture of several different craft and art, hand on skills that people use to create one, two or three-dimensional objects in paper and card stock. Paper crafting is generally associated with Scrapbooking, Cardmaking, Stamping, Quiling.





Students participation and craft designed



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Industry Institute interaction

1. Dr. Pushpa S. K, Professor, Department of ISE had visited IISc Open Day with our department students on 29.2.2020





Student visited IISc during Open Day

2. Students of 4 semester "B" section, attended "Entrepreneurship Awareness camp" Supported by NSTEDB, Department of Science and Technology and EDII, Ahmedabad from 10th Feb 12th Feb 2020. As part of this event, 21 Students visited Cognizant on 12th Feb 2020.



Industrial visit to Cognizant



BMS

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1. Mr. Manjunath from cleanslateUV (Canada) visited AIML Dept and interacted with the students of AIML and gave a talk on Universal Human Values.



2. An industrial visit was arranged by the Department of civil engineering for 1st semester at "Sir M Vishweshvaraiah water harvesting theme park" on 17th Feb 2020.





- 3. From Department of CSE, an Industry Institute interaction was arranged on 10th February 2020 to Bharat Electronics Ltd.(BEL), BAE(BEL Academy for excellence)-Nalanda Bangalore, as part of BEL's brand building activity for imparting vital inputs on latest trends in Strategic Electronics area to our next generation engineers.30 students both at UG and PG level were invited for understanding the importance of technological innovations required to make our country self-reliant in strategic areas. Sessions were organised on
 - Awareness on Environmental Management System by Shri Gowri Kumar K G, Sr.Dy.General Manager, BAE.
 - Importance of Communication for Professionals by Smt Vidhya Sony PS, Corporate Trainer.



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- Essence of Leadership in VUCA world by Lt. Col. Navneet Sood, Dy.General Manager, BAE.
- Introduction to Technology Management by Shri B Kishore, Manager, BAE.
- The visit was organised by Mrs. Vidya R Pai



4. An industrial visit was arranged by the Department of CSE for 4th semester at C-DAC, Knowledge Park, Byappanahalli, Bangalore on 25th Feb2019 coordinated by Dr. Sunanda Dixit and Dr. Aurna Kumari accompanied the students.



5. An industrial visit was arranged by the Department of CSE for the students of M.Tech, 4th semester at "**Aprameyah Technologies Pvt Ltd**", Bengaluru on 3rd February 2020 coordinated by Prof. Muneshwara M.S.



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- **6.** An industrial visit was arranged by the Department of CSE for the students of M.Tech, 4th semester at "Netenzaa Innovations Private Limited", Bengaluru on 8th February 2020 coordinated by Prof. Muneshwara M. S.
- **7.** Students of ECE Department visited to IISc, Bangalore during Open Day on 29th February 2020.



ECE_FEB_FIG13

8. Gautama Bharadwaj, Harikrishnan U, Navedya Ojha and Venu Bhargav of 8th sem, Dept. of EEE, BMSIT&M presented their work on fuel cells during IISc open day on 29th February 2020 at Combustion, Gasification and Propulsion Laboratory (CGPL). They showcased their simulation of the operation of a fuel cell through a physical model. They also showcased their simulation tool available on their website www.fuelcellperusal.com.



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9. An industrial visit was arranged by the Department of ISE for 2nd semester at at VTU Muddenahalli - Nano R&D Laboratory, on 10th February 2020. Mr.Chandrashekara K T accompanied 56 student.



Visit to VTU Muddenahalli-Museum and R&D Nano science laboratory

Faculty Internship:

1. Mrs. Swetha G A has completed industry internship in Unique Punch Systems Pvt. Ltd- Unit I, Nelamangala, Bengaluru- 562123 from 7th to 18th January, 2020.



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- 2. Dr. Sudheer Kumar K H has completed industry internship in Unique Punch Systems Pvt. Ltd- Unit I, Nelamangala, Bengaluru- 562123 from 7th to 18th January, 2020.
- 3. Dr. Aparna K, Associate Professor & HoD, Department of MCA has undergone industry internship at PAAGC Digital Web Academy from 30th Jan to 4th February, 2020.
- 4. Mrs. Swetha G A has completed industry internship in Unique Punch Systems Pvt. Ltd- Unit I, Nelamangala, Bengaluru- 562123 from 7th to 18th January, 2020.
- 5. Dr. Sudheer Kumar K H has completed industry internship in Unique Punch Systems Pvt. Ltd-Unit I, Nelamangala, Bengaluru- 562123 from 7th to 18th January, 2020.
- 6. Mr. P Sudarsanam, Assistant Professor, Department of MCA has undergone industry internship at Naberly Technologies Private Limited Bangalore from 27th January to 10th February, 2020.

Student Internship:

- PRAJWAL R 1BY18IS084, 4th sem, Department of ISE has undergone industry internship at Zephyr Technologies, Mangalore from 13th January 2020 13th February 2020.
- 2. PRASHANTH R 1BY18IS089, 4th sem, Department of ISE has undergone industry internship at Techciti tech, Bangaluru from 1st January 2020 to1st February 2020.

Students Workshop conducted/ organised:

- 1. Department of Civil engineering has conducted a workshop on "Application of Drones in Civil Engineering" from 24/2/2020 to 26/2/2020.
 - The students of VI Sem B.E underwent 3 day hands on workshop on "Application of Drones in Civil Engineering" from 24/2/2020 to 26/2/2020 conducted by Aviocian Technologies Private Limited, New Delhi. About 65 students actively learnt the concepts related to Aerial Surveying, Flight planning, Processing of data using concept of Photogrammetry. The students also were exposed to processing of data using Bentley Context Capture. As part of data collection pertaining to RTP project (extensive survey project), aerial survey was carried out using drones at Vishwanathapura, Rajanukunte. Overall, the workshop was received well from the student fraternity.



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• The 4th Semester students were participated in 1 day hands on training program on Total Station Survey conducted by P.S Instruments, Bangalore on 22nd Feb 2020. There are about 52 students actively participated and learnt the concepts Total station survey. The students also were showing more interest on this training. It is a part of data collection from the ground related to Land surveying, Water supply, New tank project, highway projects etc. Further, overall, the training went well and received very good and positive response from the students.





2. PathPartner Technologies in Collaboration with BMSIT&M is conducting a 20 Hours industry attached course for selected students from ECE and ETE 6th semester, started on 14th February 2020. The course they are offering is on applications of DSP for the processing of voice, image, video and radar. The course is conducted every Saturday/Friday at



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BMSIT&M, ECE department by trainers from Pathpartner. The course is designed for 3-4 Hours/Week and for one month. Mr. Saneesh Cleatus T (ECE), and Tejaswini S (ETE), is coordinating this course. At the end of successful completion of this course, students will receive a course completion certificate from PathPartner Technologies and selected students will get an opportunity to do internship.



ECE_FEB_FIG14

FDP conducted/ organised:

• Department of Chemistry conducted five days' faculty development programme FDP on "Strategic Advancement in Multifunctional Materials" from 11th to 15th Feb, 2020. The strategic development of multifunctional materials is discussed. The synthesis process and characterization process is briefly highlighted. Lastly the technological applications are briefly summarized.







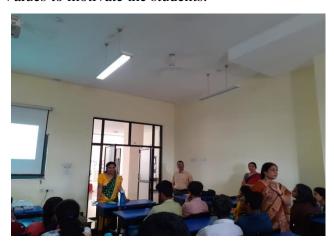
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Seminars / Expert Talks

1. Mrs Chethana Srinivasan, counselor of BMSIT&M has been invited to give a talk on Universal Human Values to motivate the students.



2. A seminar was organised for the pre-final and final year students of Dept. of Civil Engg on 14th Feb 2020. It was carried out in collaboration with M/s IDP International Educational Specialist. The focus of seminar was on opportunities for higher studies abroad. The seminar was delegated by Ms Shashirekha and Ms Sharmila respectively.



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- **3.** The 4th Semester students were actively participated in Expert Technical Talk on "Modern Surveying Tools, Errors, Field difficulties and some Case studies" conducted by Civil Engineering department at Seminar Hall on 27th Feb 2020. The resource person interacted with students related to mapping and surveying of the area, scale, datum, accuracy, toposheets, ancient survey system and tools. Resource person also discussed about data collection, Error correction, GPS and DGPS, Airborne geophysical survey, drone survey.
- **4.** Department of Civil Engg organized an expert talk on the topic "Modern Surveying Tools, Errors, Field difficulties and some Case studies" for 4th Semester students on 27th Feb 2020.







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- **5.** Department of Civil Engg organized an expert talk on the topic "Latest Equipment and Technologies used in Highway Construction and some Case studies" for 6th Semester students on 29th Feb 2020.
- **6.** The 6th Semester students were actively participated in Expert Technical Talk on "Latest Equipment and Technologies used in Highway Construction and some Case studies" conducted by Civil Engineering department at Seminar Hall on 29th Feb 2020. The resource person interacted with students' related to modern equipment's used in road construction.





7. Dept. of CSE organized an expert talk on the topic "Robotic Process Automation – Digital workforce" for 6th Sem students on 11 Feb 2020 . by Mr. Pradeep M, Director-Information Technology, Netenzaa Innovations Pvt. Ltd.







8. Dept. of CSE organized an expert talk on the topic "Gap Between Academics & Career in IT" for 4th Sem students on 29th Feb 2020 by Mr. Adarsh M Davangeri (2016 BATCH M. Tech CSE ALUMNI) Information Management Analyst, Lowe's Pvt. Ltd. Bengaluru, India



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9. An expert talk was organised for the 6th Semester EEE students on 20th February, 2020. The invited speaker was Mr Srinivas S, Managing Director, Kanthi Power Solutions, Bengaluru. The speaker gave a very useful practical insight in to the Automation of Industry / Home, IoT etc.



- 10. Department of ETE organized an Expert talk on "Creating and Developing successful starts up with Zero Investments" by an entrepreneur Mr Vijay.V.Rao, from All India Engineers Association, Bengaluru, on 25-2-2020 at seminar hall, Main Block, BMSIT&M. Both 4th and 6th sem ETE students attended the event.
- 11. Mr Vijay started the talk with asking a question whether students are interested in Entrepreneurship or Employment. He shared his journey of entrepreneurship with the audiences. He emphasized students to look for entrepreneurship and become job provider than job seekers. Hegave few examples of successful entrepreneurs. During session our students were proactive and asked questions on topic and challenges involved in it. It was a good experience for our students and they enjoyed the talk



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Fig 11. Dept of ETE organized Expert talk "Creating and Developing successful starts up with Zero Investments"

12. Prof Swetha M S, Dept of ISE was delivered an Expert talk on the topic "Problem solving using C and Data structures" at Atria college of Engineering, Bengaluru on 19th February 2020



Mrs. Shwetha M S delivered a talk at Atria College of Engineering

13. Dr. Aparna K, Associate Professor & HoD, Department of MCA presented a talk on "Augmented and Virtual Reality" as part of Jnanavardhana Session on 19th February, 2020.



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Departmental Co-curricular Activities

OBE activity carried out:

1. Prof. Mamatha K R conducted a flip class activity in the course CCN on 26/02/2020 for 6th semester A and B sec. An animated video on OSI layers was shown and students were asked to answer 8 questions and also feedback was taken.



ECE_FEB_FIG15

2. Think Pair Sharing a cooperative learning activity was conducted by faculty Mr. Banuprakash R for 6th semester students for the topic "Differentiate between S and Z,Y parameters" in the courseMicrowave Theory and Antenna 17TE63. Each student was asked to write the differences and later the same has been discussed with the pair in 10 minutes. Randomly teacher has chosen the students to explain the differences and all other students have noted the same.





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Fig 11. Cooperative learning activity by Mr. Banuprakash R

3. Department of Mechanical Engineering conducted Induction Programme for 1st year students from 10th to 17th FEB 2020. This induction programme had sessions on Ice breaking, Universal Human Values, creative arts, Sports, literary activity, club activities Cultural events and field trip.





Cultural events and field trip

4. Mr. G.L.Anantha Krishna, Asst. Professor, Department of Mechanical Engineering conducted OBE activity titled "Working model Demonstration of simple and differential band brakes" on 28/2/2020. This would enable the students to understand the working of simple and differential band brakes. This would enhance student's attributes such as communication and life long learning.





Working model Demonstration

5. B. J. Tejaswini, Asst. Professor, Department of Mechanical Engineering organized a group discussion on "Should English be the medium of instruction in primary education" for 4th Sem TCE students on 19th Feb 2020 from 3.15 to 3.35pm. The event was conducted to mark



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the "Mathru Basha Diwas" and also as part of OBE for the subject Constitution of India Professional ethics and Cyber law (18CPC49). The students actively debated on the significance of language and communication skills. This activity gave them a platform to think and express their views pertaining to education and mother tongue. Through this activity the students could exhibit their analytical and communication skills.



Mathru Basha Diwas

Publication of Research Papers by the Faculty Members

International Journal:

- Dr Anupama H S, Associate Professor, Dept of AIML: A paper on "Smart Farming: IoT Based Water Managing System" has been published in an International Journal of Innovative Technology and Exploring Engineering. ISSN: 2278-3075, Volume-9 Issue-4, February 2020 (Scopus Indexed).
- 2. Vinod B R, Dr. P Shivananda, A B Ragavendra, Rakesh, Pallavi S, "Slopes Stability Analysis Using the Plaxis 2D Program and Taylor's Stability Equation", Test Engineering and Management Journal, ISSN Online: 0193-4120;, Volume 82, Issue 1, February 2020.
- 3. Mrs.Shobha R,Mr.Vinod BR ,Mr.Vivek Vedant,Pawan Bhatia, "Banana Fibre as Alternative Thermal Insulation and Comparison with Conventional Thermal Insulation in Buildings", Test Engineering and Management Journal, ISSN Online: 0193-4120, Page No. 6113 6119, Volume 82, Issue 1, February 2020.
- 4. Manishh S, Dharek, R.S.Gowda, Rahul Sreekeshava, Prashant Sunagar Department of Civil Engineering, "Sustainable Structural Retrofitting of RC building by Non-linear Static Analysis"



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International Journal of Civil Engineering and Technology (IJCIET)-Volume 10, Issue 11, (November 2019), ISSN Online: 0976 – 6316,PG 1-10, Thomson Reuters ResearcherID : H-3771-2015, ORCID Research ID : 0000-0001-9500-6074

- Anjan K, Kaveri T Hombal A Deep Dive Into Load Balancing Tools For Hadoop Application Management, International Journal of Engineering Applied Sciences and Technology, Vol. 4, Issue 8, ISSN No. 2455-2143, Pages 119-122.
- Anjan K, Srivatsa Raju S, Structural Analysis Of HPC's For Big Data Analytics, International Journal of Engineering Applied Sciences and Technology, Vol. 4, Issue 8, ISSN No. 2455-2143, Pages 168-170.
- 7. Anjan K, Sneha S, Emerging Real Time Streaming Analytics Processing Using Hadoop Framework, International Journal of Engineering Applied Sciences and Technology, Vol. 4, Issue 8, ISSN No. 2455-2143, Pages 213-216.
- 8. Anjan K, Purushotham Naidu V, Enhancing Performance And Efficiency For Big Data Analytics Application. In Hadoop Map reduce Environment, International Journal of Engineering Applied Sciences and Technology, Vol. 4, Issue 8, ISSN No. 2455-2143, Pages 221-223.
- 9. J. Reshma, Satish Kumar T, R. Krishna Prasad, QoS integrated energy aware routing for wireless sensor networks, International Journal of Networking and Virtual Organisations (IJNVO), Vol. 22, Issue 1, ISSN: 1741-5225, Feb 2020. (**Scopus Indexed**)
- 10. Prof Veena N, Prof S.Mahalakshmi, "Classification of Emotions through EEG signals using SVM and DNN", International Journal of Innovative Technology and Exploring Engineering, ISSN:2278-3075, Volume-9, Issue 4, February 2020. (**Scopus Indexed**)
- 11. Prof Shanthi D L, Dr. Keshava Prasanna, published a paper "Network Lifetime Enhancement in WSN using Fuzzy based Clustering Algorithm", International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-9, Issue-4, February 2020 (Scopus Indexed).
- 12. KR Ashwini, HB Premkumar, GP Darshan, H Nagabhushana, RB Basavaraj, B Daruka Prasad "Near UV-light excitable SrAl₂O₄:Eu³⁺ nanophosphors for display device applications, Journal of Science: Advanced Materials and Devices, https://doi.org/10.1016/j.jsamd.2020.02.003.
- 13. F. Femila Komahal, H. Nagabhushan, G.P. Darshan, B. Daruka Prasad, "Hierarchical zinc aluminate 3D nanostructures, synthesized by bio-inspired ultrasound assisted sonochemical



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route: Display and dosimetry applications" Arabian Journal of Chemistry, Volume 13, Issue 1, January 2020, Pages 580-594. https://doi.org/10.1016/j.arabjc.2017.07.002

- 14. S. Pratibha, B. Chethan Y.T. Ravikiran N. Dhananjaya V. Jagadeesh Angadi, Enhanced humidity sensing performance of Samarium doped Lanthanum Aluminate at room temperature, Sensors and Actuators A: Physical, Volume 304, 1 April 2020.
- 15. S Pratibha, N Dhananjaya, C R Manjunatha, Anjana Narayana, Fast adsorptive removal of direct blue-53 dye on rare-earth doped Lanthanum aluminate nanoparticles: equilibrium and kinetic studies", Materials Research Express, Volume 6, Number 12,31 January 2020.
- 16. S Pratibha, N Dhananjaya, R Lokesh, Investigations of enhanced luminescence properties of Sm3+ doped LaAlO3 nanophosphors for field emission displays, Materials Research Express, Volume 6, Number 12, 8 January 2020.

International Conference:

 Rajesh Gopinath (Associate Professor, Department of Civil Engineering) "Reduction Of Significant Aspects And Enhancement Of Non-Significant Aspects In An Environmental Management System For A Medical Electronics Manufacturing Firm"; 'RECYCLE 2020 The 3rd International Conference On Waste Management' organized by Dept of Civil Engineering-IIT Guwahati, and Centre for Rural Technology-Guwahati; at Indian Institute of Technology Guwahati, 13-15 February 2020.



3. Ashwini K R participated and presented a paper titled "Near ultraviolet light excitation of SrAl₂O₄:Dy³⁺ for white LED Applications", at international conference on "Advances in materials, ceramics and Engineering Sciences" held at Dayanand Sagar College of Engineering, Bangalore on 18th January 2020.



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Sports Events/Details

- Mr.Shamanth (1BY18IS108) has been selected for represent VTU Netball team in All India Inter University Netball Competition 2019-20 from 6th March to 9th March 2020 at Calicut university, Calicut.
- **2.** Raghavendra K M 1BY18IS093 student has attended NCC B certification Exam on 15th and 16th February 2020 at Ramaiah Institute, Mathikare, Bengaluru.

NCC participation

1) 16 cadets have attended B-Certificate Exams Practical & Theory on 15th & 16th respectively of February 2020 at M. S. Ramaiah Arts Science & Commerce College, Bangalore.



Commanding officer of 39 Karnataka Battalion is giving instructions to cadets

05 cadets have attended C-Certificate Practical Exam on 22nd of February 2020 at "The Parachute Regiment Training Center", Bangalore.



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2) C-Certificate Theory Exam on 23rd of February 2020 at Triveni Public School, Hesaraghatta, Bangalore



Commanding officer of 39 Karnataka battalion is giving instructions to cadets

Placement Activities

Sl No.	USN	NAME	OFFER 1	Package	OFFER 2	Package
01	1BY16IS058	V Manish M Shetty	Cognizant Solutions	4,00,000 LPA		6,50,000 LPA
02	1BY16IS053	Sumedha K	NTT	3,50,000 LPA		



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Ī	03	1BY16IS005	Alapati Naga	imtac India Pvt. Ltd.	3,50,000 LPA	
			Haneesh			

• A 10-day Placement training has been arranged for IV sem MCA students during the period of 24th February to 6th March, 2020. This is in collaboration with M/s. Dlithe, Bengaluru.





Students attending the placement training

Workshops / Seminars / FDPs attended

- Mr. Kattimani .H .D., Associate Professor, Dr. Prashanth .A .A, Mr. Babu Naik .G, Mr. Prashanth .N .A, Mrs. Shilpa.G., Mr. Rajnikanth, Assistant Professor, Department of Electrical and Electronics attended FDP on "Application and use of IoT, Machine Learning & Artificial Intelligence for Industries/Buildings" from 6th -8th February 2020 at Sir. MVIT, Bengaluru.
- 2. Dr. Dhananjaya N, Dr. Lokesh R, Mrs. Ashwini K R and Dr. Basavaraj B R attended the Five-Day FDP program on "Strategic advancement in multifunctional materials", organized by Department of Chemistry held from 11th to 15th February 2020.
 - 3. Mrs. Ashwini K R participated in FDP on "Recent Trends in Biological and Environmental Scinece (RTBES-2020), jointly organized by Department of Chemistry and Department of Physics held on 13th to18th January 2020.



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Online Courses:

Nirisha B 1BY18IS075 and Pavithra .D .A 1BY18IS081 students of Department of ISE has completed NPTEL Online courses on the "An Introduction to programming through C++" from Jul – Oct 2019.