



BMS Institute of Technology & Management

Yelahanka – Bengaluru – 560064

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Volume 1, Issue 1

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Purushottam V Naidu (3rd Sem M.Tech)

Reviewed by Dr Anil G N, HOD Dept. of CSE

**DEPARTMENT OF COMPUTER SCIENCE &
ENGINEERING**

February to July 2019

Vision

To develop technical professionals acquainted with recent trends and technologies of computer science to serve as valuable resource for the nation/society.

Mission

Facilitating and exposing the students to various learning opportunities through dedicated academic teaching, guidance and monitoring.

Program Educational Objectives

1. Lead a successful career by designing, analysing and solving various problems in the field of Computer Science & Engineering.
2. Pursue higher studies for enduring edification.
3. Exhibit professional and team building attitude along with effective communication.
4. Identify and provide solutions for sustainable environmental development.

PROGRAM OUTCOMES

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES

1. Analyze the problem and identify computing requirements appropriate to its solution.
2. Apply design and development principles in the construction of software systems of varying complexity.

M. Tech. in Computer Science and Engineering

Program Educational Objectives (PEOs)

1. Apply analytical thinking to solve problems through research in the areas of Computer Science and Engineering.
2. Adapt to changing technological trends through life-long learning by exhibiting professional ethics, integrity and career growth.
3. Develop skills to facilitate in providing sustainable solutions by addressing the ever-growing challenges of the society.

Program Outcomes (POs)

1. Independently carry out research and development work to solve practical problems related to Computer Science and Engineering domain.
2. Write and present a substantial technical report/document.
3. Demonstrate a degree of mastery over the area as per the specialization of the program. The mastery should be at a level higher than the requirements in the appropriate bachelor program.
4. Analyse the acquired domain knowledge for providing feasible solution(s)
5. Relate the learning outcomes to build requisite competency in professional environment.
6. Appraise the need for engaging in lifelong learning.

HOD's Desk



**Dr. Anil G. N., Prof. & Head,
BE, M.Tech, D.Sc**

I am extremely happy to share with you about the progress, Department of Computer Science & Engineering has made during 2018 - 19. The Department has been one of the most vibrant among all, in terms of students, faculty, facility, placements, internships and incubation centre. The department is recognized as a Research Centre by VTU and 15 scholars who have enrolled for PhD. The department is supported by 28 qualified and experienced faculty members with Eight Doctoral degree holders in different domains. Our department has a team of highly skilled, motivated, proficient faculty and technical staff members who are striving hard continuously to enhance the quality of education.

The department has highly competent students who are undergoing internship in reputed companies getting stipends up to 80 thousand rupees per month. The Department has adopted the practice of Outcome Based Education (OBE). The Under Graduate Programme is accredited by National Board of Accreditation (NBA), New Delhi, and Permanently Affiliated to Visvesvaraya Technological University (VTU), Belagavi.

The department has setup student chapters like IEEE student club and CSI in the campus to bridge the gap between industry and academia with a vision, "IT for Masses", thus enabling IT professionals and computer users to work towards making the profession an area of choice. Therefore, the department is poised to take on challenges to meet the industrial and societal needs in years to come.

Teaching Staff's

Associate Professors



Dr. Thippeswamy G
BE ME Ph.D, Professor &
Dean (Academics)



Mrs. HemaMalini B H
BE M.Tech, (Ph.D)



Dr. Mahesh G
B.E M.Tech Ph.D



Dr. Anjan Krishnamurthy
BE M.Tech Ph.D
(PG Coordinator)



Mrs. Bharathi.R
BE M.Tech, (Ph.D)



Dr. Sunanda Dixit
BE MTech Ph.D

Assistant Professors



Mrs. Vishakha Yadav
BE MBA, (Ph.D)



Mr. Muneshwara M S
BE M.Tech, (Ph.D)



Mr. Anand.R
BE M.Tech, (Ph.D)

Teaching Staff's

Assistant Professors



Mrs. G.Y.Durga Devi
B.Tech M.Tech



Mrs. Shruthi.J
BE M Tech, (PhD)



Mr. Jagadish.P
BE M.Tech, (Ph.D)



Mrs. Durga Bhavani A
B.Tech M.Tech



Mr. Rajesh N V
BE M.Tech



Mrs. Chethana C
BE MTech



Ms. Ambika G.N
BE M.Tech, (Ph.D)



Mrs. Vidya Rajesh Pai
BE M.Tech, (Ph.D)



Mrs. Mari kirthima
BE ME, (Ph.D)

Teaching Staff's

Assistant Professors



Mrs. Radhika K R
BE M.Tech, (Ph.D)



Mr. Guruprasad S
BE M.Tech, (Ph.D)



Mrs. Srivani P
BE M.Tech, (Ph.D)



Mr. Ravi Kumar B N
BE M.Tech, (Ph.D)



Ms. Arunakumari B. N.
BE M.Tech, Ph.D(CSE)



Dr. Satish Kumar .T
BE ME Ph.D



Mr. Shankar R
BE ME, (Ph.D)

Non – Teaching Staff's



(First row -> Left to Right) Mrs. Bhagya. M(Instructor), Mr. Venkatesh Bangar (Asst. Instructor), (Second row -> Left to Right) Adhinarayana Reddy .M(Instructor), Mr. Hari Prasad Pai (Instructor), Mr. Harinath H.N (Asst. Instructor), Mrs. Ragini T. N(Instructor)

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MoUs / Awards / Recognitions

This should cover any MoUs entered into with external agencies; any awards received by the department / faculty member / student and recognitions like giving expert talk in other institutions / chaired a seminar / BoE member, etc.

MOU's

Dr. Vishwa Kiran S, Assistant Professor, Dept of CSE is a preferred trainer for Siemens Technology and Services Pvt. Ltd. The newly recruited employees of Siemens would undergo 45 days of training on various topics like Programming Techniques, Object Oriented Concepts, operating systems, data structures, basics to advanced C++, C# and .Net, for the freshly recruited employees of Siemens. Dr. Vishwa Kiran is a resource person for nineteen days training scheduled between 22nd July and 16th August 2019



Session Chair

1. Dr. Anjan Krishnamurthy, Session Chair, 458th International Conference on Science, Technology, Engineering and Management(ICSTEM), Singapore, 20th May 2019.
2. Dr. Satish Kumar .T , Asst. Prof, Dept. of CSE has conducted the Comprehensive Viva voce for VTU Ph.D scholar on 8th May 2019.
3. Dr. Sunanda Dixit, Associate Professor, Department of CSE, Editor of the Journal of Image Processing and Artificial Intelligence, reviewed research papers publishing in MAT Journal.
4. Dr. Satish Kumar .T , Asst. Prof, Dept. of CSE and Mrs. HemaMalini B. H, Associate Professor, Dept. of CSE have attended the VTU-BOS meeting for Syllabus / Scheme reviews and changes on 8th April 2019.
5. Dr,Bharathi M A,Professor, Dept of CSE , BOE at MSRIT , Bengaluru.

Expert talk

- ✓ Prof. Muneshwara M S has delivered Expert talk on "Introduction of OR" at Dept. of Mathematics, BMSIT&M. during Open course on "Engineering Optimization Techniques" conducted on 12th Feb 2019.



- ✓ Dr. Anjan Krishnamurthy delivered Expert Talk on "OBE and ICT" at Dept. of Maths, Bangalore University, on 1st Feb 2019. This was workshop conducted as part of 59th Orientation programme, UGC Human Resource Development, Bangalore University, Jnana Bharathi Campus, Bengaluru.
- ✓ Prof. Vishwa Kiran S has given Corporate Training handled 5 Days Embedded C++ Training for VOLVO Employees from 18th to 22nd Feb 2019 at VOLVO

- ✓ Dr. Vishwa Kiran S Resource person for 3 Days IoT Training at workshop at UVCE, Bangalore University from 28th Feb 2019 to 02nd March 2019.



- ✓ Dr. Vishwa Kiran S handled the session on Train the trainer to Faculties of BMSIT on 15th March 2019.



- ✓ Mrs Bharathi R delivered a talk on "Http Protocol and its Application" in the training company The Valley Boot camp – Intensive coding boot camp, Bengaluru , on 14th April 2019.



- ✓ Dr. Vishwa Kiran S, conducted 4 days training for the employees of Hitachi storage Group, a Western Digital in Japan, 11th to 4th April 2019.



- ✓ Mrs. Vidya R Pai gave a talk on "Network security issues in Future internet Architecture" in GKVK Bengaluru on 18th June 2019.
- ✓ Mr. Guruprasad S and Mr. Harinath H N was resource person for Internship program at BMSCE on 22nd July 2019 and 26th to 27th July 2019.



Dr. Vishwa Kiran S, Assistant Professor, Dept. of CSE was a Resource Person for TEQIP sponsored Five Days workshop on "Linux Programming" organized by dept. of ISE at BMSCE, scheduled between 15th to 19th July 2019.

Faculty Awards / achievements

- ✓ Mentoring 03 batch Students of NITK Surathkal, for AI and Machine learning Projects.
- ✓ Research on Health care applications with Soumya residing at Boston.
- ✓ South Zone Universities Research Convention – Awarded as Winner for Multipurpose Bot – Association of Indian Universities ,India ,Anveshan 2019 under the guidance Dr.Bharathi M A.



- ✓ Best Project Award by VTU, Belagavi – 2019 under the guidance Dr.Bharathi M A



- ✓ VISION under the guidance of Raghunandan G.H,Asst Prof,Dept of TE and Bharathi R ,Assoc Prof ,Dept. of CSE by Vivek ,VI Sem TE ,Srinath VIII Sem ME ,Vikesh VIII Sem ME , Nihal Rao VIII Sem ME .

- ✓ Interdisciplinary project "Smart Lid: Food spoilage detection system" has won 2nd prize in KSTA project exhibition conducted in SVCE on 13th March 2019. The students are Laalithya A, Saurav Karthikeya & Anup Kumar Shetty under the guidance of Prof. Sumathi M S , Asst. Prof. TCE Dept. and Shruthi J Asst. prof., CSE Dept.



- ✓ Project titled "Remote Access based Multipurpose Bot" working model presented by Prajwala P and Akshatha T, M. Tech (CSE) won Third prize at ICT Academy Student Innovator Award, an Initiative of Govt of India on 23rd March 2019. Guided by: Dr. Bharathi Malakreddy A, Professor and PG Co-ordinator, CSE



- ✓ Mr. Mahesh G, Associate Professor, Department of Computer Science and Engineering, has been conferred Ph.D Degree, in Faculty of Computer and Information Sciences, for the thesis entitled "Call Admission Control Techniques for Next Generation Wireless Networks : A User Class Based Approach", in the 18th convocation held at VTU Belagavi on 18th March 2019, guided by Dr.Gowrishankar, Professor, Department of Computer Science and Engineering, BMSCE, Bengaluru.

- ✓ Dr. Anupama H S, Associate Professor, Department of Computer Science and Engineering has been conferred Ph.D Degree, in Faculty of Computer and Information Science and Technology, for the thesis entitled "Design and Development of an Object Recognition system using Brain Computer Interface", in the 18th convocation held at VTU Belagavi on 18th March 2019. Guided by Dr. N.K. Cauvery, Professor, Dept of ISE, RVCE, Bengaluru and Co-Guided by Dr. Lingaraju G.M, Professor, Dept. of ISE, MSRIT, Bengaluru.



- ✓ Interdisciplinary Project Third prize won by 6th Semester CSE students in the National level Project Competition – VIVID 2019 at SSN College of Engineering, Chennai. Guided by Mrs. Bharathi R, Associate Professor, Dept of CSE and Mr. Raghunandan G.H, Assistant Professor, Dept of TE.



- ✓ Congratulate to Tanuja S(1BY14CS061) for securing 2nd Rank in VTU 2017-18 in CSE Department, Tanuja S, Software Engineer 1 – IT, Dell | DES_EBIA, Bengaluru



- ✓ Mr. Vishwa Kiran S, Assistant Professor received PhD from Bangalore University. He was a full time research scholar at University Visvesvaraya College of Engineering. He was guided by Dr. Thriveni J, Professor, Dept of CSE, UVCE on 22nd April 2019.



- ✓ During the Final Year Farewell-2019 function held during 18th May 2019, Department of CSE received the second place for highest enrolment and students participation in the conduction of open courses held during 2018-19 (Even) Semester. The open courses was held during 12th to 16th Feb 2019.



- ✓ During the Final Year Farewell-2019 function, the institute provided the certificate of appreciation is awarded for the 100% results in the course handled during the Odd Semester of 2018-19 to the following faculties Dr. Anil G.N, Dr. Bharathi Malakareddy, Dr. Satish T, Dr. Vishwakiran S , Prof. Vishaka Yadav, Prof. Muneshwara M S, Prof. Anand R, Prof. Durgadevi G Y, Prof. Shruthi J, Prof. Jagadish P, Prof. Rajesh N.V, Prof. Ambika G N, Prof. Chethana C, Prof. Ravikumar B N. Prof. Aruna Kumari on 18th May 2019.



A funding of 5 lakhs has been awarded for product development and 2nd place at BITES Project Awards for the Project Title "VISION- Vigilant Image Sensing Intelligent drone". This project by a team of 5 CSE students Drishti Ramesh Megalmani , Iyer SaiKrishnan , Md Asad Ansari & Piyali Pal and guided by the two mentors- Mrs Bharathi R Associate Professor Dept. of CSE has been selected for the finals of the National level start up competition IICDC 2018, among 10,146 teams all over India 22nd June 2019.

Reviewer for Journal / Conference

Dr. Sunanda Dixit, Associate Professor, Department of CSE, Reviewed technical papers from International conference on Computational Systems and Information Technology for Sustainable Solutions(CSITSS-2019), R V College of Engineering, Bengaluru, India, 20th -21st July 2019.

NPTEL Local Chapter Inauguration function

On Tuesday, 4th of May we had inaugurated NPTEL Local chapter at our college. For the inaugural function, we had Dr. L Umanand, Professor at Electronic Systems Engineering, IISC, Bengaluru. He had closely 3 decades of service at the Institute. His Major Field(s) of Research is "Renewable energy systems, electric vehicle propulsion and bond graph modeling". And his Main Topics of Current Research is "PV integration to smart micro grid".



Students from all across departments had attended the inaugural function with lot of enthusiasm. Prof. L Umanand spoke about the importance of the online and swayam course offered online by premier institutions like IIT's and IISC. He motivated the students to take up such courses and explained how these courses were useful to them. He also said about the importance of NPTEL course in getting them the places and to acquire cutting edge knowledge from professors and scientists how are expert in their domain.



Memorable Moments

Any activity conducted by the department which had good impact and was memorable in nature.

- ✓ Department of Computer Science & Engineering in association with IEEE student chapter and Computer Society of India proudly hosted 2018-19 Even Semester's Project Based Learning encompassing 210 projects in various fields of Computer Science.

- ✓ This edition of PBL focused on topics like: Design and Analysis of Algorithms, Data Communications, Microprocessors, Computer Graphics, Python, Java C Programming Projects etc. PBL Open Day – 13th May 2019 , the judges are
 1. Mr. Vijaya Kumar A S – Consultant, Aprameyah Technologies
 2. Dr. Elangovan – Consultant, elanzlogic.com
 3. Dr. Bharathi Malakreddy A – Professor, CSE, BMSIT&M
 4. Dr. Pushpa S K – Professor, ISE, BMSIT&M
 5. Dr. Satish Kumar T – Assistant Professor, CSE, BMSIT&M
 6. Prof. Hemamalini B H – Associate Professor, CSE, BMSIT&M
 7. Mrs. Durgadevi G Y – Assistant Professor, CSE, BMSIT&M





The Parent Teacher's meeting was held on 23rd March 2019 at 10:30 AM in CSE Seminar Hall, 4th Floor, BSN Block. Eleven parents were present for the meeting along with the teachers.



Points Discussed:

1. Dr. Anil G N, Professor and HOD welcomed all the parents to the meeting.
2. He gave a brief introduction about the department. He also mentioned about the VTU-LIC, NBA and AICTE Committee visits to the department and college.
3. He also presented the best practices followed in the department to improve the academics.
4. Information related to Open Courses and PBL (Project Based Learning) conducted in the department and college was shared with the parents.
5. He discussed about the importance of placements and shared the details about the students placed in last 4 years.
6. He interacted with the parents about the proctoring system and asked the parents to meet the respective proctors.
7. The meeting concluded with a high tea.



Feedback from Parents

1. Parents requested for close monitoring from Proctor Side
2. Parents are happy with teaching learning process adapted in the department and expressed that the college has a student friendly environment.
3. Parents requested that a system generated message be sent on a day to day basis when their ward is absent.

The meeting was held on 27th April 2019 at 10:30 AM in CSE Seminar Hall, 4th Floor, BSN Block. 23 parents were present for the meeting along with the teachers.



Dr. Anil G N, Professor and HOD welcomed all the parents to the meeting. He gave a brief introduction about the department. He also mentioned about the VTU-LIC, NBA and AICTE Committee visits to the department and college. He also presented the best practices followed in the department to improve the academics. Information related to Open Courses and PBL (Project Based Learning) conducted in the department and college was shared with the parents. He interacted with the parents about the proctoring system and asked the parents to meet the respective proctors. Dr. Anjan Krishnamurthy, Placement Coordinator, discussed about the importance of placements and shared the details about the students placed in last 4 years.

Mrs. Bharathi R, Dr. Anupama, Mr. Anand R, Mr. Jagadish P, Ms. Arunakumari B. N. has attended the 'ICE-Breaking Session training' at CSE Seminar Hall, organized by BMSIT&M for Induction Program-2019 during 26th July 2019.



Industry – Institute Interaction

This will be covering industrial visits, industry experts visiting the institute, faculty internships, etc.

Industrial Visit

1. Campus: BMS Institute of Technology & Management Bangalore visiting IBM India Pvt. Ltd
2. Industry Visit Details: 8th Feb 2019 to Green Data Center at Embassy Golf Links Business Park, IBM India Pvt Ltd.
3. Faculty of BMSIT: Prof. HemaMalini
4. Program leader from IBM: Mekala V Reddy
5. Facilitators of Green Data Centre: Vijayabhaskar Natarajan, Kiruthikalakshmi Periasamy
6. Access & other logistics: Naga Lakshmi
7. Agenda:
8. 10:30 pm: Arrival to EGL, complete security & access related works and Tea Break @ Rivera Food court

1. 11:30 am - 12:20 pm: Smarter Talks
 - ❖ Development (Graduate to Professional), Cloud Computing & open talk - Mekala Reddy
 - ❖ Start-up / ideation thinking: R Latha
 - ❖ Open Discussion on Industry preparedness - Pradeep Balachandran
2. 12:-20 pm to 01:30 pm: Green Data Center visit / walk-through - Vijay / Kiruthika
3. 01:30 pm: Lunch break: Rivera food court
4. 03:00 pm : Leave EGL campus.
5. Note: Find today's BMS IT&M visit presentation by Mekala V Reddy
6. Resources for Faculty / Students...
 - ❖ Badges/free courses: <https://cognitiveclass.ai/>
 - ❖ Learn / Develop : developer.ibm.com/develop/
 - ❖ IBM Career blog: <https://www.ibm.com/blogs/jobs/2019/01/23/way-to-success-best-free-badges-for-students/>
 - ❖ The IBM Cloud is available for free for students and faculty: IBM Cloud Essentials
7. Jobs, Profile prep Tips, Sample projects: <http://mjvreddy-jobopenings.blogspot.com>

Industry experts visiting the institute

Partial Delivery was conducted in the department under Computer Society of India student branch on 4th May 2019 from 8:30 – 1:00 p.m. The talk was delivered by Mr Chandrashekar Senior Telecom Professional with 30 years of wide Industrial experience. He has served BEL for 20 years. Currently he is into Training and Consultancy in Telecom domain Technologies. He has also worked in TVS Interconnect Systems Limited, Bangalore, W.S Industries Group, Bangalore, Vintek RF Products Ltd., Bangalore. The partial delivery was organized for the students of 4th sem. Topics covered were IPv4, IPv6 and wireless networks, part of Module 5 for the subject Data Communication (17CS46). The event was organized by Dr. Vishwakiran and Coordinated by Dr. Anil G N, Mrs. Mari Kirthima, Mrs. Vidya R.



Mr. Muhashir, CSE Alumni 2009 batch has been invited for the Panel Member for Employers' Meet to Celebrate the fifth edition of the Employers' Meet on Saturday, 18th May 2019, between 11:00 am to 1:00 p.m at BMSIT&M.



Faculty Internship

1. Mr. Muneshwara M.S has attended the 10 day internship on “Manual testing on E-Commerce Websites” at ActiveMatrix Technologies Pvt. Ltd during 1st to 11th July 2019.
2. Mrs. HemaMalini B H, attended 10 day internship at Infidata Technologies and as a resource person and delivered sessions on “Software Development Life Cycle”, Unified Modeling Language, mainly focused on Use Case Diagrams and Activity diagrams during 3rd to 13th , July 2019
3. Mr. Jagadish.P, attended 10-day internship at Infidata Technologies and as a resource person and delivered sessions on “Java Application Development Domain”, 7th to 17th July 2019.
4. Chethana C Attended the 10-day internship on “Machine Learning” at Infidata Technologies during 3rd – 13th 2019.Prof. Anand R -Completed Faculty Internship in Infidata Technologies, Bangalore from 04th to 14 June 2019 on Web Application.
5. Prof. Jagadish.P- Completed Faculty Internship in Infidata Technologies, Bangalore from 07th to 17th June 2019 on Java Application Development Domain.
6. Dr. Satish kumar .T- Completed Faculty Internship in Pushkala Technologies ,Bangalore from 20th June to 1st July 2019 on IOT-End to End Communication.
7. Prof. Srivani P - Successfully completed Internship at BEL thales System from 3rd to 13th June 2019 on “ Biometric System”.
8. Dr. Mahesh G - Completed Faculty Internship in Pushkala Technologies, Bangalore from 20th June to 1st July 2019 on IOT-End to End Communication.

Workshops / Faculty Development Programmes/ Fests

This should cover workshops conducted by the department wherein external agencies / participants were part of the workshop / FDPs conducted and fests like inter collegiate technical fest.

Open courses - Computer Science and Engineering

Mrs HemaMalini B H, (9343623355)

1. Advanced C++ - Mr. Vishwa Kiran S
2. GUI Programming with QT - Mr. Vishwa Kiran S
3. Parallel Programming using C++ - Dr. Mahesh G
4. Parallel Programming using C++ - Dr. Satish Kumar T
5. Linux System Programming - Mr. Guruprasad S

Workshops Conducted

Inauguration of IEEE Computer Society and Expert talk on Deep learning – Coordinated by Dr. Anjan Krishnamurthy, Associate Professor, Dept. of CSE. On 06th Feb 2019

Seminars / Expert Talks

This should cover seminars conducted by the department and talks given by subject experts.

Department of CSE has organized a guest lecture for 4th Semester CSE students on "How to compete in the IT companies through Various Skills" through BMSIT&M Alumni Association , 16th March 2019 by Ms. Swathi S Rao , 2016 BATCH CSE ALUMNA, Software Engineer, CGI, Bengaluru, India.



Department of CSE has organized a guest lecture for CSE students "Based on recent trends and technologies in IT industries. How Big data and Hadoop technologies are evolved in industries" through BMSIT&M Alumni Association , 27th April 2019 by Ms.Tanuja S, Software Engineer Dell Bengaluru., 2018 BATCH CSE ALUMNA.



Day-1: The workshop was led by Mr. Gururaja H S, Assistant Prof, Department of ISE, BMS College of Engineering on network security and cyber security. He also covered vulnerabilities of the wireless LAN and the necessary precautions to be taken. The session took place in an enthusiastic manner and was very informative for all the attendees. To make the session more interactive and cheerful the session was followed by a quiz and the winner was presented with IEEE goodies.

Cyber Security Workshop: 2-day workshop on latest trends and technologies related to cyber security was conducted for 6th semester Students On 29th to 30th April 2019, Organized by IEEE CS Chapter BMSIT&M. The faculty incharge : Dr Anjan.k and Mrs Chethana.C



Day-2 :The second day of the workshop was lead by Mr. Vijay Shankar Naavi, Director of the cyber law college. He covered important topics under cyber laws. It was an Expert talk which focused on the area of interest regarding digital signature, hashing, and adjudication. He even gave insights into legal actions taken against cyber crimes. The session was overtaken by Mr. Sulakshan, Security Solutions Architect, IBM, who spoke about companies sticking to compliances. He also spoke about how ML and AI are used in cyber security. He gave a brief insight into Predictive analysis and explained how companies deal with cyber vulnerabilities.

Mr. Shraavan A, CSE Alumni 2009 Batch , Manager, Mindcom Pvt Ltd has delivered the talk on "PYTHON PROGRAMMING" for the VI SEMESTER CSE during 03rd May 2019 in CSE Seminar Hall.



Departmental Co-curricular Activities

OBE methods

Activity 1: Subject Cryptography and Network Security and the Cyber Law (15cs61)

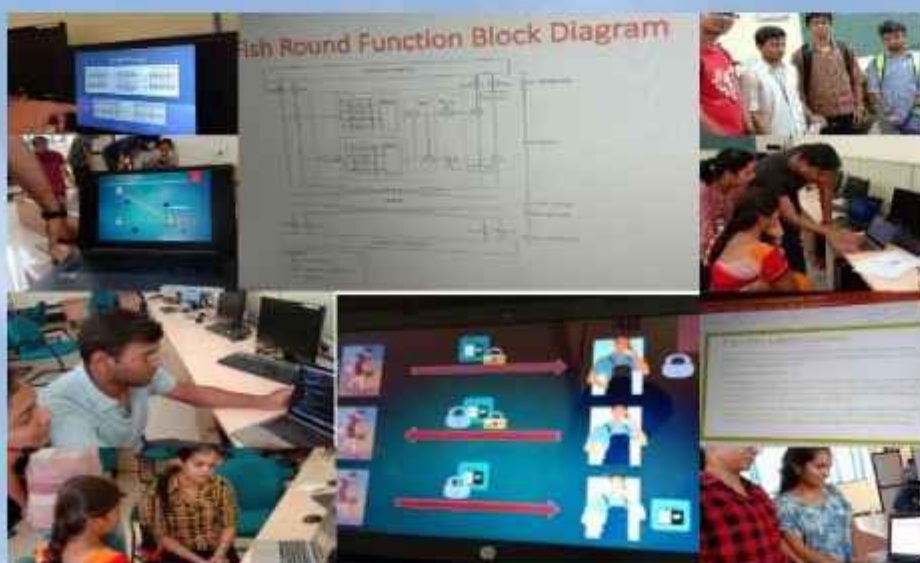
Faculty: Mrs. Chethana .C and Dr Anjan. Krishnamurthy, Semester : 6 , Date :20/05/2019

The students were asked present the following for the Chosen algorithm

1. Conceptual Understanding of the algorithm
2. Literature Survey and study of existing system
3. Understanding of the merits and demerits of algorithm
4. Possible attacks on the algorithm

Few students have also implemented the chosen algorithm to satisfy the following points

1. Mathematical Analysis of the algorithm.
2. Time taken to encrypt a message size of 1 MB, 2MB, 3 MB and the time required to
3. Decrypt the same message with graph and table
4. Observations of the algorithm



Activity 2: Subject Datamining and Data Ware Housing (15CS651)

Faculty: Mrs Chethana C, Semester: 6th A & B , Date :21/05/2019

Students were asked to study on any of the data mining tools and show the demonstration for the simulation and analysis of the simulation for the given data . Demonstration was given for various algorithms of classification and clustering algorithms from module 4 and module 5 of the Syllabus. The demonstration was given using various tools like IBM SPSS Modeller, Weka, Orange, KNIME, Sisence, Data Melt, Rapid Miner, Spark and Tensor flow.



Activity 3 : Blended classes

A TFSC session was conducted by the TFSC team for the 1st year students to give them a glimpse and brief introduction to FOSS (Free and open Source Software). Tanvi Bhakta who is currently studying in 4th year of CSE,BMSIT&M and also a core member of the FSMK started the session with an introduction to the free and open source software followed by its importance, necessity and the development in the field. Students from various branches like CSE, Mechanical, and ECE took part with enthusiasm and keen interest. After this an Ubuntu installation (dual boot) session was conducted by Aishwarya C and Parth Jaiswal from CSE 6thsem. This was followed by an interactive session where various trending topics like Aadhar, activities of FSMK were introduces to the students. Active participation by the students in the conversations was highly appreciated. Finally the session concluded with an introduction and invitation to the Tech for Democracy Drive which will be launched by FSMI on March 10, 2019. Date: 1st march 2019, Venue: ISE seminar hall, Time: 2pm-4pm



Student Internship

CSE department 2018-19: 89 students have completed internship

1. N.Poornima nischala - 1BY15S059 - 8th - Nano R obotcs
2. Aakanksha Das - 1BY16CS001 - 6 - Bmsit college
3. Aayush Nandkeolyar - 1BY15CS002 - 8 - Altimetrik India
4. Abhishek - 1by15cs004 - 8 - Infidata Technologies
5. Abhishek B - 1BY15CS005 - 7 - Happiest Minds Technologies pvt Limited
6. Adarsh Kumar Sah - 1BY15CS006 - 7 - Infidata Technologies
7. Aditya Shiva - 1BY15CS113 - 8 - Think Tank imc
8. Aditya Subraya Hegde - 1BY15CS007 - 7 - Infidata Technologies
9. Akshay AB - 1BY15CS112 - 8 - ESPN
10. Amogh G - 1BY15CS008 - 8 - emudhra
11. Ananya - 1BY15CS009 - 8 - Eduvirtuoso
12. Ankit Agrawal - 1BY15CS010 - 8 - Mu Sigma
13. Anup kumar shetty - 1BY16CS012 - 6th - Gifto Retail Technologies
14. Anushree Gudoor - 1BY15CS011 - 8 - Temenos India Pvt Ltd
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62. Ritwik Mohanty - 1BY14CS113 - 8 - Neudesic
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75. Syed Rashid Pasha - 1by17cs175 - 3 - CarX
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77. Tanvi - 1BY15CS092 - 8 - Uncommon
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79. Varun R S - 1BY15CS067 - 8th - Cognizant
80. Vasupradha S - 1BY17CS184 - 3RD - Infidata
81. Vighnesh Raut - 1BY15CS100 - 8 - INFIDATA
82. Vinith VB - 1BY15CS114 - 8 - ThinkTank imc
83. Vinod - 1by16cs417 - 8th - HereAround technologies
84. Vishnu Menon - 1by15cs102 - 8 - Microfocus
85. Vishwanath bhat h s - 1by15cs103 - 8 - Nokia

Publication of Research Papers by the Faculty Members, BMSIT&M

This should cover only papers published by national / international magazines / journals with volume, ISSN Nos, impact factor, etc.

International Journal

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2. Dr. Anil G.N , " A survey on Energy Efficiency Techniques in 5G Networks", ISSN : 2320 9801, Volume 7, Issue 4, in IJIRCCE, April 2019.
3. Prof. Muneshwara M S, "The Survey on Fuzzy logic: A Soft Computing Approach for Network Security" Volume 5 , Issue 11, ISSN (online): 2349-6010 in IJIRST – International Journal for Innovative Research in Science & Technology , 20th April 2019.
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7. Dr. Anjan K , Dr. Anil G N, "Secured E-voting System using Ethereum Block Chain Technology", IJSRD, Vol 7, Issue 4, Jun 2019, pp. 637-640.
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1. Ms. Arunakumari B. N, "Automatic Design of Aggregation, Generalization, and Specialization of Object Oriented Paradigm embedded in SRS" , ICAECT 2019, Coimbatore, India, 27th April 2019
2. Mr. Muneshwara M S "Comparison on Hyperledger Fabric and Hyperledger Composer of Blockchain Technology " IEEE- International Conference on Intelligent Computing and Control Systems (ICICCS 2019) , VAIGAI COLLEGE OF ENGINEERING, THERKUTHERU, India, 17th May 2019.
3. Dr. Anjan Krishnamurthy, "A perennial review of timing covert channel using constructive entropy approach", at the 458th International Conference on Science, Technology, Engineering and Management(ICSTEM), Singapore on 20th May 2019.
4. Dr. N. Parvatham, Prof. Bharathi R, "SEM Medical Image Processing using VLSI": 1st international Conference on Communication and Information Processing(ICCIP),at NCER, Pune, 17th – 18th May 2019.
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