NMAMIT gets 'A' Grade by NAAC .......................... 3
Graduation Ceremony 2017 .............................. 3
Industry & Academia should go hand in hand: 
Panel Members of IC 2017 ................................. 5
7th ICETE-2017 .............................................. 6
KSCST’s 40th Series of Student Project Programme .... 7
Research Scholar’s Conclave — NMReCon2017” ........ 9
Familiarization programme for the first year B.E students .... 9
Inauguration of Branch Association & Students Activities ... 9
NMAMIT Celebrates Teachers’ & Engineers day .......... 10
Workshop on Advanced Tools in Office Automation ...... 11
Vigilance Awareness Week 2017 ......................... 11
Engineers! Sounds interesting? ........................... 12
2 Day Workshop on — Backend Development using PHP“ 12
2 Day Workshop on — Basics of Android App Development“ 13
NMAMIT Students Participated in #United By HCL Hackathon at Manchester, UK ......................... 14
Talk on Student Exchange Program and Hackathon .......... 14
Swachh Bhat Abhiyan: 2nd October 2017 ............... 14
Inauguration of The IE(I) Student’s Chapter ................ 15
Entrepreneurship Development Cell ...................... 15
Talk on Importance of Self Employment .................. 17
Exchange of MOU between ICT Academy & NMAMIT .... 18
Talk on Entrepreneurship by TiE Bangalore Chapter .... 18
AICTE-UKIERI Further Education Leadership Development Program III .......................... 19
State Level Conclave And Review Meet - 2017 ........ 19
Poster Presentation Competition - 2017 ................. 20
Department of Biotechnology Engineering ............... 21
Department of Civil Engineering ......................... 25
Department of Computer Science & Engineering ....... 26
Department of Electronics and Communication Engineering .... 29
Department of Electrical and Electronics Engineering ... 32
Information Science Department ......................... 38
Department of Mechanical Engineering .................. 41
Department of MCA ..................................... 45
Department of Chemistry ................................ 48
Department of Mathematics .............................. 49
Department of Physical Education ....................... 50
Abhyuday, Department of Counselling, Welfare, Training & Placement.... 59
NMAMIT GETS ‘A’ GRADE BY NAAC

National Assessment and Accreditation Council (NAAC) an autonomous body of University Grants Commission (UGC) members visited NMAM Institute of Technology, Nitte for Re-Accreditation between 11.09.2017 and 13.09.2017. The team chaired with Prof. Tankeshwar Kumar, Vice Chancellor of Guru Jambeshwar University of Science & Technology, Hisar, Haryana as the Chairman, Prof. Muthukalinga Krishnan, Professor, Central University of Rajasthan and Prof. B.K Tripathi, Director International Institute of Professional Studies, Indore. It started off with Principal of the Institute Dr. Niranjan N Chiplunkar delivering the presentation on the college about various aspects, viz. Vision document, Mission, Objective, Status of the infrastructure both human and materialistic, future projects and many more.

The team inspected the departments and facilities to assess the education standard followed by interactions with students, parents, alumni members, teachers and non-teaching staff. The visit concluded with the exit meeting at the end of day three, where the chairperson of the peer team shared the experience of the visit and also pointed out the various areas where the college can improve and urged all the stakeholders to continue to give their best and “Rise Ever Higher”. The Chairperson later handed over the Peer Team Report to the President of Nitte Education Trust Mr. Vinaya Hegde and Principal of the Institute Dr. Niranjan N. Chiplunkar.

The NAAC peer team acquainted themselves with the strengths and weakness of the institution with reference to quality of assurance and also interacted with students, parents, alumni members, teachers and non-teaching staff. After thorough analysis, the NAAC committee has awarded ‘A’ grade with 3.11 CGPA to the institution.

“I personally feel that this is a reward for our efforts and for our motto ‘Strive for excellence’. Now I feel that the responsibility has increased in not only sustaining this achievement but taking it to the next level by providing quality education and preparing the students to meet the industry needs” says the President of Nitte Education Trust Sri N.V. Hegde.

GRADUATION CEREMONY 2017

The 9th graduation day ceremony of NMAMIT was held on 8th July 2017. Mr. A. S. Kiran Kumar, Chairman of ISRO Bengaluru was the chief guest of the function. In his address to the graduates, Mr. Kiran Kumar, emphasized on the social concern one should have. Every individual has to think about how to solve problems of the society and thereby develop the country. He spoke about the ability to adjust during the transition from a carefree academic life to a responsible professional life. He also spoke about the advancement happening in the field of Science & Technology. He was very much happy about the development happening in the field of Communication Technology.

Sri N. Vinay Hegde, President, Nitte Education Trust, who presided over the ceremony, in his presidential address congratulated the graduates on becoming professionals and urged them to do justice to their profession. He emphasised the need for change in every field with respect to time but everyone has to have social concern which helps in maintaining the ecosystem. Advancement in the field of technology has helped in improving the quality of Education and health care. Systems like EDUSAT helps very much in sharing the knowledge throughout the globe.

Graduates who passed out during the academic year 2016 -17 received their graduation certificates during the occasion.
Gold and Silver medals were distributed to the following students:

**Gold medalists:**

B.E:
- Locklyn Dsouza from Mechanical Engineering
- H. Pavan from Civil Engineering
- Sindhu Holla S. from Electrical & Electronics Engineering
- Chandrika D. from Biotechnology Engineering
- S. Sindhura Rao from Computer Science & Engineering
- Nayana NP from Information Science & Engineering
- Navya S. Rai from Electronics & Communication Engineering

M.Tech:
- Savitha Kamath - Computer Science & Engineering
- Suhail Ahamed - Computer Network Engineering
- Reena N. Poojary - Software Engineering
- Deepthi Rani M. - Energy Systems Engineering
- Vidyashree S. - Machine Design
- Madhushree K. - VLSI Design & Embedded Systems
- Mahima - Digital Electronics & Communications
- Shishir R.K. - Industrial Biotechnology
- Pooja Rani - Construction Technology
- Shankara Pai B. - Power Electronics

**Silver Medalists:**

B.E:
- Steevan Lester Baptist from Mechanical Engineering
- Anjana S. Rao from Civil Engineering
- Elton Lionel Monteiro from Electrical & Electronics Engineering
- Priyanka A. Naik from Biotechnology Engineering
- Vivaswath J. Rao from Computer Science & Engineering
- Ashwija Nayak from Information Science & Engineering
- Karthik K. from Electronics & Communication Engineering

M.Tech:
- Sunitha N. V. - Computer Science & Engineering
- Divyashri - Computer Network Engineering
- Yogesh Satish Ajilamogaru - Energy Systems Engineering
- Nirmith R. Jain - Machine Design
- Bharavi U. - Digital Electronics & Communication
- Shree Ramesh Rao - Industrial Biotechnology
- Neha S. N. - Construction Technology
- Nutana Shetty - Power Electronics

**MCA:**
- Sudha Prabhu
- Vicky L Shet

Capt. Ganesh Karnik, Member of Legislative Council, Govt of Karnataka, Director of Industry Institute Collaboration Dr. Parameshwaran, Deans - Dr. Sudesh Bekal, Dr. Subramanya Bhat, Dr. Rajesh Shetty and various department heads were in the stage during the event.

Dr. Niranjan N. Chiplunkar, Principal of NMAM Institute of Technology, Nitte welcomed the gathering. Vice Principal and Dean (Academics) Dr. I.R. Mithanthaya read out the names of gold and silver medallists. Vice Principal and Controller of Examination Dr. Srinivas Rao BR proposed the vote of thanks. Dr. Vidya, faculty from the Dept of Biotechnology was the Master of Ceremony.
The first edition of ‘Industry Connect 2017’, organized by NMAM Institute of Technology was held at the campus on 13th May 2017. The event comprised of Leadership Talks, Panel Discussion and question and answering sessions.

The event was inaugurated by Dr. M.S. Moodithaya, Registrar of Nitte University with an inaugural speech stating that the gap between academics and Industry should be minimized and both the fields has to join hands in helping the future generation. Being an Academician, he emphasized on the principal-agent relationship in the industry and academia. He also appreciated the efforts of NMAMIT in providing a common platform for the industry and academia to discuss about the gap and also for the attempt in bridging the gap between industry and academia.

Dr. A.N. Parameswaran, Director, Industry–Institute Collaboration of NMAMIT, who was the master behind the show, briefed the concept and objectives of the Industry Connect 2017. He also informed that the leading industrialists and educationalists all over the world conveyed their wishes and support for the event.

The Principal of NMAMIT Dr. Niranjan N. Chiplunkar in his presidential address spoke about the different challenges which academia is facing in creating the young minds to be ready for the industry standards. He also invited the industry tycoons to join hands in building a great nation by helping the young minds with some informative things.

The panel discussion began soon after the inaugural function.

The pre-lunch session of Panel discussion was about the topic “Expectations from the Industry” with Dr. Prashanth Bhat, CTO of Manipal Dot Net, Mr. Prashanth Shenoy, CTO, UniCourt India, Ms. Swapna Shetty, DGM (HR) of Lamina Suspension Products, Mr. C.S. Dakshinamurthy, Plant Head, Suzlon as the panel members with Prof. Shalini K Sharma as the moderator for the session.

The post-lunch session of Panel discussion was about “Entrepreneurship - Successful Entrepreneur” with Mr. B.S. Baliga, Director (P&D), Lamina Suspension Products, Mr. Henry C. Brito, President of Kanara Small Industries Association, Ms. Renu Jayaram, Managing Partner, Jaydev Motors, Mr. Anil Hegde, Head, CADD Centre as the panel members with Dr. Sudhir Raj K. as the moderator for the session.
The final outcome after the two panel discussions were “Industry and Academia both will play a vital role in the development of society. Therefore, both Industry and Academia should work hand in hand and should be helping each other. Panel members from the industries were very much eager to give opportunities for students to take up long-term internship programs, so that both the students and industry can get something out of the process. Panel members from the industry were of the opinion that “Being an Autonomous Institute, NMAMIT can adopt various forms of collaboration and the bridge between the industry and academia can be constructed”.

Dr. Sandeep Sancheti, President, Manipal University Jaipur graced the occasion.

7th International Conference on Emerging Trends in Engineering (ICETE-2017) was organized on 12th May 2017 at NMAM Institute of Technology, Nitte. In ICETE-2017, Papers have been invited in four streams namely: Civil and Biotechnology; Computer Science Engineering and Information Science Engineering; Electrical and Electronics (E&E) and Electronics and Communications Engineering (E&C); and Mechanical Engineering.

The paper submission and review process is carried out by the conference management tool. ICETE 2017 has received more than 130 papers for the review from different regions of India (from 7 states, 34 different Engineering and R&D Institutions) and one paper each from Japan and Ethiopia. Plagiarism tests have been conducted for all the papers and only those papers with similarity index less than 25% have been sent for the review process.

After the plagiarism test and review process, technical review committee selected about 11 papers from Civil Engineering stream, 12 papers from Computer Science and Information Science Engineering stream, 19 papers from Electrical and Electronics (E&E) and Electronics and Communications (E&C) Engineering stream, and 12 papers from Mechanical Engineering stream with a total of 54 papers for presentation.

The ICETE-2017 was inaugurated by Shri. P. Ramadas, Managing Director, Ace Manufacturing Systems Ltd., Bengaluru at 10.00AM on 12th May, 2017 in Sambhram Auditorium. During his Inaugural address P. Ramadas stressed upon the importance on dedication towards the assigned work for the successful professional life. During the Key note address, Shri P. Ramadas has delivered a talk on “Future Challenges of Indian Industries”. Prof. D. K. Subramanian, Former Dean and Professor, IISc, Bengaluru, Trustee - Foundation for Advancement of Education and Research, was the Chief Guest for the Inaugural function and he delivered a talk on “Advancements of Education and Research in India”.

To promote our own research Journal, all the selected papers have been published in the 2017 special issue of “NMAMIT Annual Research Journal” which was released during the ICETE-2017 Inaugural Function.
Parallel Invited Talks have been delivered by Dr. Demain Antony D’Mello, Professor & Head, Dept. of CSE, Canara Engineering College, Benjanapadavu, Mangaluru in Computer Science Stream, Sri Rajiv Kumar Mistry, Senior Manager, Adani Power Training & Research Institute, Udupi Power Corporation Ltd. in Mechanical Stream, Dr. Srikantan PC, Professor, Dept. of ECE, Malnad College of Engineering, Hassan, in Electronics and Communication Engineering Stream, and by Mr. Raghavendra Holla, Assistant Professor, Dept. of Civil Engineering, MIT, Manipal in Civil Engineering Stream.

Nine technical paper presentation sessions have been conducted to cover all the 54 papers selected for the conference out of which 4 sessions have been conducted in the morning session and 5 sessions have been conducted in the afternoon session.

**KSCST’s 40th Series of Student Project Programme**

The Director of National Institute of Technology Karnataka, Surathkal Prof. Karanam Uma Maheshwar Rao stated that KSCST’s Student project Programme (SPP) is one of the important programmes and an opportunity to build a successful career for research oriented students with innovative ideas.

Speaking after inaugurating KSCST’s 40th Series of two day State-level Seminar and Exhibition of Student Project Programme held on Friday, 11th August, 2017 organised by NMAM Institute of Technology, Nitte in association with Karnataka State Council for Science & Technology (KSCST). Prof. Karanam Uma Maheshwar Rao in his inaugural address expressed his puzzlement in question of the quality of around 12 lakhs Engineers getting graduated annually in India. He appreciated the efforts of KSCST and NMAM Institute of Technology, two institutions contributing towards the development of the student intellect and the society.

Managing Director of Karnataka Council for Technological Upgradation, Department of Industry and Commerce, Govt. of Karnataka Mr. Anil Uppin, the chief guest of the programme in his speech stressed on the special support given to the Women Entrepreneurs by the government bodies in setting up new ventures. He also focused on the subsidy component which is given by the government to induce technology into the field of industry and Agriculture.

Secretary of Karnataka State Council for Science and Technology & Professor in the Department of Materials Engineering, Indian Institute of Science Prof. S. Subramanian was the guest of honour of the event. In his speech he stated that the 2010-2020 decade can be called as the ‘Decade of Innovation’. According to a survey about Global Innovation in different countries all over the world, India has ranked 60th place.

Dr. S.G. Sreekanteswara Swamy, Executive Secretary of KSCST in his opening remarks briefed about KSCST’s SPP inception as one of the flagship programme.

Sri. N. Vinaya Hegde, The Chancellor of Nitte University and the President of Nitte Education Trust in his presidential remarks expressed his concern about the students who are academically strong and technically weak. ‘Compulsory Projects during a course shouldn’t be done only to obtain a Degree. Students should work on their basic presentation, technical skills which help for the overall development of an Individual. Taking the aid of technology, IIT and NIT Professors are requested to disseminate their knowledge to the young students’ he added.

Principal of NMAM Institute of Technology Dr. Niranjan N. Chiplunkar welcomed the gathering. The Chief Co-ordinator of 40th Series of SPP Dr. Radhakrishnan briefed about the two days event. Sri S. N. Sondur, Principal
Scientific Officer and Co-ordinator, Biofuel Cell delivered Vote of Thanks. Mr. Vishwanath, Asst. Professor from the Department of Humanities compered the programme.

Over 500 engineering students exhibited 200 and odd Student Projects. 125 faculties from all over Karnataka and 75 expert officials attended this event.
Research Scholar’s Conclave “NMReCon2017” was organized by NMAM Institute of Technology, Nitte on 22nd of May and was inaugurated by the Principal of NMAMIT, Dr. Niranjan N. Chiplunkar. In his presidential address, he underscored the benefits of having such a research conclave which would definitely give pointers to research scholars to improve their quality of research work. He also highlighted the various opportunities provided by the institution towards the Research and Innovations. Around 40 research scholars from different institutes presented their research findings.

Familiarization programme for the first year B.E students

Familiarization programme for the first year B.E students was held on 2nd of August 2017 at Sadananda Open Air Auditorium. About 1000 students who got admitted to NMAMIT attended the programme along with their parents. Principal, Dr. Niranjan Chiplunakar, addressed the students, welcoming them to Nitte, he briefed about the Institution and gave an overall view of the Institution. Dr. Shrinivas Rao B.R., Vice Principal and Controller of Examinations explained about the examination system, rules and regulations. Dr. I.R. Mithanthaya, Vice Principal & Dean (Academics) briefed about the rules and regulations to be followed as a student of the Institution and also he gave the information about other amenities such as Library, Sports, Students’ Co-op. Stores etc. which are to help academic related activities of the students. Prof. Vinaya B.R, First Year Coordinator informed about the Student Monitoring Cell and its effort to help the first year students during their first year study in the Engineering course. Prof. Shalini K. Sharma, Head of Placement, Training and Counseling dept. gave an overview about the placement process that takes place at the institute. Dr. Subramanya Bhat, Dean, Student Welfare briefed about the student welfare activities which will be held in the campus and also proposed vote of thanks. Mr. Sandeep Kharvi, Dept. of Humanities compered the programme. After the programme, parents and students were taken around the Campus to make them familiar about the college campus and the facilities.

Inauguration of Branch Association & Students Activities

The inauguration of Branch Association & Students Activities for the year 2017-2018 at NMAM Institute of Technology was organized on 19th August 2017. Dr. Umesh M. Bhushi, Principal, Sahyadri College of Engineering & Management,
Mangalore who was the Chief Guest of the function Inaugurated the Branch Associations & Student Activities for the year 2017-2018 & spoke about the importance of various technical skills which are very essential to be employable in the present days.

Dr. Niranjan N. Chiplunkar, Principal of NMAMIT in his presidential remarks stressed on the importance of us getting updated to the system and technology.

International Day of Yoga 2017

International Day of Yoga is celebrated annually on 21st June since its inception in 2015. In this regard, NMAMIT in association with NSS Unit celebrated International Day of Yoga (IDY 2017) in the Institute on 21st June 2017.

Dr. Niranjan N. Chiplunkar, Principal, NMAMIT spoke on the importance of Yoga on our health. Dr. Sudesh Bekal, Dean R&D was also present during the occasion.

Dr. Janardhan Nayak, Chief NSS Officer welcomed the gathering. Mr. Sandeep Hegde, Assistant NSS Officer delivered vote of thanks.

Trained Yoga Instructors of the Institute have commenced the training classes to the staffs & students and they were requested to make full use of their expertise. Yoga Classes are being held regularly in the Boys Hostel block on a daily basis from 6 AM to the students residing in hostels.

NMAMIT Celebrates Teachers’ & Engineers day

Teachers’ Day and Engineers’ Day in memory of Dr. S. Radhakrishnan and Sir M.Visvesvaraya respectively was celebrated at NMAMIT on 15th September 2017. The Felicitations to the Teachers who were awarded their Doctoral Degrees in the previous academic year were presented to Dr. Kumudakshi from the department of Mathematics, Dr. Gururaj Upadhyaya from the department of Mechanical Engineering and Dr. Usha Desai from the department of Electronics & Communication Engineering.
The Felicitation to Engineer was conferred upon Sri. M. Gopal Bhat, Structural Consultant, AG Associates, Udupi. The programme was presided over by Sri. N. Vinaya Hegde, President of Nitte Education Trust and Chancellor of Nitte University.

Dr. Niranjan N. Chiplunkar, Principal, NMAMIT welcomed the gathering. Dr. Subramanya Bhat, Dean Student Welfare delivered vote of thanks. Mrs. Sneha Nayak, Assistant Professor from the department of Biotechnology compered the program.

**Workshop on Advanced Tools in Office Automation**

The Department of Computer Science and Engineering had organized a five days’ workshop on “Advanced Tools in Office Automation” for non-teaching staff of NMAMIT and sister institutions of Nitte Education Trust during 3rd – 7th July 2017. The workshop was inaugurated by Principal, Dr. Niranjan N. Chiplunkar and other dignitaries. Dr. Aravinda & Mr. Rajeevan K. V. were the coordinators for the workshop. The total participants attended the workshop were 40.

In this five days workshop, the topics were covered on various Tools in Office Automation, ‘how to systematically and safely organise the office files’ and the benefits of using the internet cloud storages. Also had a session about Network, Printer setup and email and security. All sessions were hands-on. Dr. Aravinda, Mr. Rajeevan K. V., Mrs. Joylin Priya Pinto were handled the sessions.

**Vigilance Awareness Week 2017**

During the Vigilance Awareness week 2017, NMAM Institute of Technology, Nitte had arranged an essay competition for the students of NMAMIT, Nitte in association with NITK Surathkal on 2nd November 2017. The first prize was bagged by: Ms. Raksha Padiyar, First Year, second prize by Mr. Mukhesh, Third year, Mechanical Engineering and third prize by Ms. Safa, First Year. The prizes were distributed by Dr. Uma Maheshwar Rao, Director of NITK on 4th November at NITK Surathkal.
Enginera! Sounds interesting?

A mobile application developed by the students and for the students which encapsulates the class notes of 1st year engineering of all the VTU and Autonomous Colleges.

A group of eight Engineering students and one animation designer developed this app and launched at the office of the Talent Research Foundation on September 16.

Mr. Rahul R. Pai, a fifth semester Mechanical engineering student from NMAM Institute of Technology, Nitte and his friends Pooja Shetty, Sadhana Mayya, Mohammad Mubeen Shaikh, Prajwal P., Deepthi P., Prajwal Lingad, Seethal HM and Arpita Ankalagi were the people behind developing this wonderful mobile application.

This Mobile Application can be termed as a last moment preparation guide before the exam, a brush up tool for interviews and jobs, a peripheral introduction to basic engineering concepts before giving any competitive exams.

The Syllabus for the first year engineering students is common across all the streams. The App is based on syllabus from VTU as well as from about six autonomous colleges. Hence, students will have free access to the notes of all the subjects under one platform and it is available totally offline. Since the App has been prepared by the students using their notes itself it has very simplified explanation of all the relevant topics with relevant diagrams which enhances the quality and simplifies the process of learning.

Developers has also provided a platform for students to get their doubts clarified. ‘Enginera’ is the right choice on the go! The developers are also thinking about extending this facility to second and third year Engineering students too in the coming days.

5000+ downloads have been witnessed within 6 days of launch of this app. 310 students who downloaded the app have given an average rating of 4.6 out of 5.

2 Day Workshop on “Backend Development using PHP”

Finite Loop Club under the association of Centre For Student Innovation (CFSI) conducted a 2-day Workshop on “Backend Development using PHP” on 23rd and 24th September, 2017. Mr. Sanket Salvi Sarang and Ms. Tulsi Gayathri Devi, Research Scholar from the Dept. of Information Technology at NITK Surathkal presided over the Workshop as resource persons. The workshop began on 23rd September with the Introduction of the Resource persons by Ms. Karishma, 3rd year student from Dept. of MCA. Prof. Shashank Shetty, Prof., Dept. of CSE gave a brief Introduction about the Club.
The First session started with Basics of PHP by the resource persons. The Second day started with a small recap and carried on with the topics that were left like File operations, object oriented concepts of PHP. The participants were served with lunch.

The afternoon session went on with topics like encryption, decryption in PHP arrays & different types of sorting techniques by the student coordinators Mr. Venkatesh Prasad M. Pai, Ms Pooja Shetty, 3rd year Students from Dept. of CSE and Mr. Puneeth Kumar, 3rd Year Student from Dept. of MCA. Various built in functionalities, properties etc were also discussed.

The Staff Coordinator Prof. Anantha Murthy, Asst. Professor, Dept. of MCA, Prof. Krishna Prasad Rao, Prof. Puneeth R. P., Prof. Shashank Shetty, Assistant Professor, Dept. Of CSE were present during the workshop.

**2 Day Workshop on “Basics of Android App Development”**

Finite Loop Club under the association of Centre For Student Innovation (CFSI) conducted a 2-day Workshop on “Basics of Android App Development” on 28th and 29th October, 2017. Mr. Shashank Shetty, Asst Professor, Dept. of CSE and Staff Coordinator of finite loop introduced about the club. The sessions were handled by the core members of the club-Mr. Kashif Minhaj (Dept. of CSE), Mr. Mutaheer Mohammed (Dept. of CSE) and Mr. Akshay Devadiga (Dept. of MCA). The total of 27 students participated from various branches including Dept of MCA.

The First session began on 28th October 2017 (afternoon) with the Introduction of Android, History and Versions of Android. Various topics of Android like Activity Life Cycle, Layouts and Adding the UI components were covered.

On the Second day, they started with a small recap and carried on with the topics like Intent, Calling the App Shared Preferences etc. The participants were served with lunch.

Post Lunch, participants had to develop an Application based on the concepts that they were taught. Mr. Praveen Shetty Judged the application developed by the participants and Mr. Akshay Vaidya from Dept. of MCA was the winner. At the end of the session a small prize was given to the winner and memento to the Judge. Ms. Priyadarshini Kumari, Mr. Venkatesh Prasad student from Dept. of CSE and Mr. Aneesh Mathai, Student from MCA being the student organisers. Mr. Shashank Shetty, Mr. Krishna Prasad Rao, Mr. Puneeth R. P., Asst. professor, Dept. of CSE and Mr. Anantha Murthy, Asst. professor, Dept. of MCA were the staff coordinators.
NMAMIT Students Participated in #United By HCL Hackathon at Manchester, UK

A team named TechKnights consisting of three students from Computer Science Department namely Pradeep B., Sushmitha Rao and Swati Puranik and one student, Shashank R. from Mechanical Department of NMAM Institute of Technology, Nitte represented the college in an International Hackathon event named ‘#UnitedByHCL’ Hackathon which was held at ‘The Old Trafford’ stadium, Manchester, United Kingdom during 13-16th of September, 2017. The team was 9th among the top 36 teams that were selected from different parts of the world. The team did a project on Customer Attrition Prediction for DHL Company using Machine learning and impressed the jury. The team members also had an opportunity to showcase their talents infront of HackerEarth CEO (Mr. Sachin Gupta) and CEO’s from various Fortune 500 companies who were present at the venue.

Talk on Student Exchange Program and Hackathon

NMAMIT ACM Student Chapter organized a talk to share the experiences of ten students who participated in the Student Exchange Program (SAKURA) at Ritsumeiken University, Japan during December 2016 and four students who participated in the final round of #UnitedByHCL Hackathon at Old Trafford Stadium, Manchester, UK during September 2017. Students shared their experience such as Japanese Cuisine, Accommodation, Japanese Culture, Technical Know-how etc. along with Hackathon experiences at Manchester, UK. 100 students from various departments attended the program. Dr. Niranjan N. Chiplunkar, Principal, NMAMIT set the tone for the program by giving guidelines on how to apply for various hackathon and other competitive events. Dr. Uday Kumar G., HOD, Civil Dept. participated in the event.

Swachh Bhat Abhiyan: 2nd October 2017

Swachh Bharat Abhiyan Programme was organized on 2nd October 2017 on the occasion of Mahatma Gandhi and LalBahuddurShastri Jayanthi. Dr. Niranjan N. Chiplunkar Principal, NMAMIT inaugurated and delivered the inaugural address. Prof. Yogeesh Hegde, Registrar, Nitte EducationTrust emphasized on the importance of the Swachh Bharat program. Dr. I.R. Mithanthaya, Vice-Principal and Dean Academic, Dr. Srinivas Rao B. R., Vice-Principal and COE, Mr. Prashanth Holla, Principal, NRAM Polytechnic, Dr. Veena B.K., Principal, Dr. NSAM First grade College,
Nitte, Mr. Ashok Adyanthaya, Industrialist, were present during the programme. Dr. Srinath Shetty, Resident Engineer and Professor, Civil Engineering Department gave presentation of Solid and Liquid Resource Management (SLRM). Prof. Pushparaj, Department of Civil Engineering, NMAMIT, welcomed the gathering. Dr. Janardhan Nayak, NSS Programme Officer and Professor, Department of Chemistry, delivered the vote of thanks.

The Programme was sponsored by Nitte Education Trust. 500 students of the NMAMIT NSS Unit, NRAMP (Aided) Polytechnic NSS unit, Dr. NSAM First grade College NSS unit, Dr. NSAM PU College and Dr. NSAM English Medium School students cleaned the N.E.T campus such as Roads, Hostel premises, College garden etc.

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**Inauguration of The IE(I) Student’s Chapter**

The Inaugural function of the activities of the Institution of Engineers (India) Student’s Chapter, NMAMIT for the academic year 2017-18 was held on 26th September 2017. Dr. G. L. Easwara Prasad, Principal, MITE, Moodabidre was the chief guest. He inaugurated the activities by lighting the lamp and inducts the office bearers. Dr. Niranjan N. Chiplunkar, Principal, NMAMIT presided over the function. Dr. I. R. Mithanthaya, Vice principal and Dean (Academics) graced the occasion. Dr. Narasimha Marakala, Staff advisor of IE(I) Student’s chapter coordinated the function. Staff advisors of IE (I) Student’s chapter of all the departments and all the office bearers of IE (I) students Chapter were present in the function.

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**Entrepreneurship Development Cell**

**Awareness Program for Students**

1. Entrepreneurship Development Cell, NMAMIT organized Entrepreneurship Awareness Camp for Final Year students of Civil & Mechanical Engineering, NMAMIT, Nitte on 10th August, 2017. 300 students attended the programme. Dr. Balasubramani R., Chief Project Leader, EDC welcomed the gathering and briefed about the programme. The programme was inaugurated by lighting the lamp by Chief Guest Sri. K. Socrates, Deputy Director, MSME- Development Institute, Mangalore. In his inaugural address, he emphasized the students to cultivate passion towards Entrepreneurship as Finance and Technology are readily available from various Govt. and Private Agencies. Dr. K. Udayakumar, Head of Civil Engineering and Dr. Shashikanth Karinka, Head of Mechanical Engineering, NMAMIT, Nitte were the Guests of Honor. Dr. K. Sankaran, Director, Justice K.S. Hegde Institute of Management, Nitte presided over the function and delivered presidential address. In his presidential remarks asked the students to get maximum benefits from these programs.
In the first session, Sri. K. Socrates, Deputy Director, MSME- Development Institute, Mangalore highlighted on various support and financial assistance from Govt. agencies, banks, and financial institutions. Also, he briefed about identification of business opportunities, project selection, project report preparation, project appraisal, technical & financial feasibility and evaluation. In the second session, Mr. Jeevan Shetty, Proprietor, Sharada Associates, Mulki and Mr. Ajay Mehendale Patnahitlu, Entrepreneur, Narmada Food Beverages, Mala participated in the Panel Discussion on “Students too can be an entrepreneur”. In the third session, Dr. Sudhirraj K., Professor from Justice K.S. Hegde Institute of Management, Nitte delivered a talk on Historical background of Entrepreneurship, Qualities of the entrepreneur etc. In the afternoon, students went for Factory visit to Lamina Foundries, Nitte. Mr. Anil Kumar Prabhu & his team explained various operations of the unit.

2. Entrepreneurship Development Cell, NMAMIT organized Entrepreneurship Awareness Camp for Final Year students of Computer Science, Information Science & Master of Computer Applications, NMAMIT, Nitte on 11th August, 2017. 350 students attended the programme. Dr. Balasubramani R., Chief Project Leader, EDC welcomed the gathering and briefed about the programme. Prof. Sandeep Kumar Hegde, Asst. Professor, Department of CSE, NMAMIT, Nitte introduced the Chief Guest, Sri Prajwal V. Kumar to the audience. The programme was inaugurated by lighting the lamp by Chief Guest Sri. Prajwal V. Kumar, Managing Director, Robautonics Pvt. Ltd, Kuloor, Mangalore. In his inaugural address, he suggested the students to think on Entrepreneurship and atleast 10% students to become the Job provider than a job seeker. Dr. Udayakumar Reddy, Head of CSE, Prof. Karthik Pai, Head of ISE and Dr. Surendra Shetty, Head of MCA, NMAMIT, Nitte were the Guests of Honor. Dr. I. Ramesh Mithanthaya, Vice Principal & Dean (Academics), NMAMIT, Nitte presided over the function and delivered presidential address. Prof. Balachandra Rao, Asst. Professor, Department of MCA proposed vote of thanks.

In the first session, Sri Prajwal V. Kumar shared his business experience and by showing the video he explained his real challenges and problems he faced to become a successful entrepreneur. In the second session, Mr. Sundar Sherigara, Asst. Director, MSME, Mangalore highlighted on various support and financial assistance from Govt. agencies, banks, and financial institutions. Also, he briefed about identification of business opportunities, project selection, project report preparation, project appraisal, technical & financial feasibility and evaluation.
3. Entrepreneurship Development Cell, NMAMIT organized Entrepreneurship Awareness Camp for Final Year students of Biotechnology, Electronics & Communication Engg & Electrical & Electronics Engg, NMAMIT, Nitte on 12th August, 2017. 250 students attended the programme. The programme was inaugurated by lighting the lamp by Chief Guest Sri. Dayananda Patwardhan, Proprietor, MOSQUIT, Mundaje, Belthangady Mr. Gajanana Vaze, Agriculturist, Mundaje, Belthangady, Dr. C. Vaman Rao, Head of BT, Dr. Nagesh Prabhu, Head of EEE and Dr. Rekha Bhandarkar, Head of ECE, NMAMIT, Nitte were the Guests of Honor. Dr. Niranjan N. Chiplunkar, Principal, NMAMIT, Nitte presided over the function and delivered presidential address. In his presidential remarks asked the students to get the maximum benefits from these programmes.

In the first session, Sri. Dayananda Patwardhan, Proprietor, MOSQUIT, Mundaje, Belthangady, Mr. Gajanana Vaze, Agriculturist, Mundaje, Belthangady, explained their experiments with the students. In the second session, Sri Prajwal V. Kumar shared his business experience and by showing the video he explained his real challenges and problems he faced to become a successful entrepreneur. In the third session, Mr. Sundar Sherigara, Asst. Director, MSME, Mangalore highlighted on various support and financial assistance from Govt. agencies, banks, and financial institutions. Also, he briefed about identification of business opportunities, project selection, project report preparation, project appraisal, technical & financial feasibility and evaluation. The programme concluded with Valedictory Function. In the afternoon, students went for Factory visit to Bola Surendra Kamth & Sons Cashew factory. Mr. Rajesh Kamath & his team explained various operations of the unit.

**Talk on Importance of Self Employment**

As a part of student exchange programme between Nitte University and Govt. West College, Aizawal, 34 students of North eastern states of India like Mizoram, Nagaland and Arunachal Pradesh along with two faculty members visited NMAMIT on 6 Sep. 2017. Dr. Balasubramani R. – Professor of ISE and Chief Project Leader – EDC
delivered a talk on Importance of Self Employment for the benefit of those students. He emphasized on the Govt. India’s Startup India movement and various benefits offered to startups through Govt. agencies and private funding opportunities. He asked students to become job providers rather than job seekers. Faculty from Nitte University, Mr. Krishnaraja Joisa - PRO, NMAMIT and Mrs. Geetha - EDC Programme Coordinator also attended the talk.

Exchange of MOU between ICT Academy & NMAMIT

Exchange of MoU between NMAMIT, Nitte and ICT Academy, New Delhi was organized on 31st October 2017. Dr. Niranjan N. Chiplunkar, Principal, NMAMIT welcomed dignitaries from ICT Academy and HODs & faculty members of NMAMIT. Mr. Suresh Babu, Regional Head, ICT Academy briefed about various initiatives undertaken by ICT Academy to bridge Industry-Academic gap. The Principal requested all the HODs and faculty members to utilize the full advantage of ICT Academy offerings for the benefit of students and faculty. He also expressed his interest to connect with various core industries in Civil, Mechanical, Electrical and Electronics domains through ICT Academy. Mr. Suresh Babu handed over the Membership Certificate to Dr. Niranjan N. Chiplunkar. Mr. Vishnu Prasad, State Head, Mr. Basavadarshan, Relationship Manager, Dr. I. Ramesh Mithanthaya, Vice-Principal and Dean (Academics), Dr. Srinivasa Rao B. R., Vice-Principal & CoE, Dr. Nagesh Prabhu, HOD-EEE, Dr. Rekha Bhandarkar, HOD-ECE, Dr. Surendra Shetty, HOD-MCA, Prof. Karthik Pai, HOD-ISE, Department ICT Coordinators and Mr. Krishnaraja Joisa, PRO were also present during the event. Dr. Balasubramani R., Institute Coordinator for ICT Academy proposed vote of thanks.

Talk on Entrepreneurship by TiE Bangalore Chapter

Entrepreneurship Development Cell (EDC), NMAMIT organized a talk on “Entrepreneurship” by members of TiE Bangalore Chapter on 26 Oct. 2017. 250 students from third year CSE & ISE attended the programme. Dr. Balasubramani R., Chief Project Leader, EDC welcomed the gathering and briefed about the program. Mr. Baliga B. S., member, TiE Bangalore gave an introduction about TiE (The Indus Entrepreneurs, a non-profit organization based out of US) and role of TiE in developing entrepreneurs. Mr. Uday Birje, Co-Founder, Thinkstreet Technologies, Bangalore highlighted on Startup Karnataka & Startup India Schemes and importance of Innovation & Entrepreneurship. Mr. Vikas Goyal, Co-Founder & Director, Thinkstreet Technologies spoke about Marketing & Positioning for startups. Mrs. Ashwini B. & Mrs. Deepa from IS department attended the program. Mrs. Geetha was the Program Coordinator.
Dr. Balasubramani R., Professor of ISE & Chief Project Leader-EDC attended Four Days Training Program “Further Education Leadership Development Program-III” during 4-7 October 2017 at Swami Keshavanand Institute of Technology, Management and Gramothan, Jaipur. The workshop was inaugurated by Prof. M. P. Poonia, Vice-chairman AICTE. The program was conducted by Faculty from Dudley College, UK. 100 senior faculty members (Principals and HODs from Govt. Engineering Colleges, Govt. Polytechnics and reputed Private Institutions) pan India participated in the program. The workshop covered the following topics: Leadership through inspirational communication, Engaging closely with industry, Managing classroom practice for student centered learning, Developing and measuring team effectiveness, Implementing strategy through effective project planning.

State Level Conclave and Review Meet-2017 was organized at SDMCET, Dharwad on 11th April 2017 by ICT Skill Development Society, Dept. of IT, BT and S&T, Government of Karnataka. 90 business proposals from all 9 New Age Incubation Centres of Karnataka had to present their work before the panellist Mr. Allabux, CEO AND FOUNDER, ALL.IN.BOX and Mr. Srinivasulu Reddy- CEO AND FOUNDER, SKYCRAFTS AEROSPACE. The 11 incubates with the Regional Coordinator, Mr. Shashank Shetty showcased New Age Incubation Network
(NAIN) centre as well as different proposals and prototypes before the chair. The team NAIN centre, NMAMIT bagged the overall best review presentation out of 9 NAIN Centres all over Karnataka.

Mr. Shashank Shetty, Regional Coordinator, NAIN, NMAMIT Receiving Best Overall Review Presentation from Mr. Nithin Kulkarni, Director at KLE Centre For Technology Innovation and Entrepreneurship (CTIE), BVBCET, HUBLI

Karnataka New Age Incubation Network, NMAMIT in association with ICT Skill Development Society, Dept. of IT, BT and S&T, Government of Karnataka organized an event on “Poster Presentation Competition-2017” on 11th November 2017 at NMAM Institute of Technology, Nitte. Out of 75 business proposals received, 52 best business proposals were shortlisted for the presentation in the event “Start-up Pitch 2016”, which was held on 15th November 2016 at NMAMIT, Nitte and 17 best business proposals were shortlisted in this event. The Students of this 17 business proposals had got an opportunity to attend the 48 Hours overnight “State level Hackathon 2017” conducted by Team “YourStory” in association with ICTSDS which was held at NIE, Mysore on 24th-25th Jan. 2017. The 17 business proposals were refined through college level meetings and were sent to ICTSDS, Government of Karnataka. ICTSDS selected all the 17 business proposals sent to them for the next rounds of funding.

These 17 Business Proposal teams presented their posters. The event ‘Poster Presentation Competition-2017’ was organized with the objective to provide more innovative input for the student teams (17 selected Business proposals) from the Industry and Research expertise which helps students to complete their project successfully.
Mr. Pradeep Kumar Udupi, Vice President, Technology and Innovation, Robosoft Technology, Udupi and Prof. Prashanth Kumar Shetty, Associate Professor, School of Information Sciences, Manipal University, the proud alumni’s of NMAMIT, Nitte were chief guests and judges for the event. The event was presided by Dr. Niranjan N. Chiplunkar, Principal, NMAMIT, Nitte. And the event co-chaired by Dr. Nagesh Prabhu, College Coordinator of NAIN, Professor and Head - Dept. of E&E, NMAMIT, Nitte and Prof. Shashank Shetty, Regional Coordinator - NAIN and Asst. professor - Dept. of CSE, NMAMIT, Nitte. The event started by prayer by Ms. Pooja Shetty, 3rd year CSE followed by Lighting of lamp.

Dr. Nagesh Prabhu welcomed all the guests. Prof. Shashank Shetty presented the Annual Report 2016-2017. Prof. Krishna Prasad Rao and Prof. Puneeth Reval P. introduced the chief guests. Mr. Pradeep Kumar and Mr. Prashanth Kumar Shetty, Chief guests for the event wished all the participants for the competition. Dr. Niranjan N. Chiplunkar, Principal delivered the presidential address. Prof. Rajath Rao delivered vote of thanks and Prof. Ankitha Nayak compered the event.

In Poster Presentation Competition, students from 17 selected Business proposals had actively participated and presented their business proposal before the expert committee. 17 teams (64 students) presented their thoughtful business proposal and out of which top 2 business proposals are selected and awarded as Winners (Team Aqua Care) and Runner up (Team Smart Shopper) and 2 business proposals (Team ACCU-BP and Team Green Porous concrete Pavement Block) are selected for consolation prize. The selection was based on 4 Criteria Innovation/Creativity, Success Factor/Feasibility, Presentation Skills and Entrepreneur Skills. In valedictory function Mr. Pradeep Kumar Udupi, Vice President, Technology and Innovation, Robosoft Technology, Udupi and Prof. Prashanth Kumar Shetty, Associate Professor, School of Information Sciences, Manipal University delivered their opinion on Poster Presentation Competition, the idea presented and innovation.

Completion of Yoga Instructor Course

Mrs. Uma Sankaran, Asst. Director Student Welfare, NMAMIT has successfully completed ‘The Yoga Instructor’s Course’ from S Vyasa University, Bengaluru and Level 1 course from Indian Yoga Association in June 2017, under Ministry Of Ayush, Govt. Of India and approved by Quality Council of India.

Department of Biotechnology Engineering

Student’s achievement

Mr. Akshay Acharya, Ms. Bhavana and Ms. Ganga Gamana from 8th semester were qualified in GATE 2017.

Paper publication

Based on the Audit course (Mini project) research article entitled “Fermented fruit juice production using unconventional seasonal fruits through batch fermentation” authored by Pranita A. D’Souza, Priyanka A. Naik, Shubashree C. Rao, Sujanya Vyas, Anusha M. Palan, Belrin Cornelio, Vinayaka B. Shet, C. Vaman Rao has

**World environment day celebration**

World Environment Day 2017 was celebrated by planting saplings of Biofuel plants like Honne, Simauruba, Hippe around the NET campus, Nitte on 13th of June 2017. The program was inaugurated by Dr. Niranjan N. Chiplunkar, the Principal, NMAMIT Nitte by planting Honne sapling in NET Campus, Nitte. He appreciated the initiatives taken by the staff and students of Biotechnology Department for its concern towards nature. During this programme Vice Principal Dr. Shreenivasa Rao, Registrar of NET Campus Sri Yogesh Hegde, Sri Aravinda Hegde, Dr. Subrahmanya Bhat, Dr. Uday Kumar, Dr. C. Vaman Rao Prof. & Head of BT Department, Staff & students of BT department, staff of Udupi district Biofuel information and demonstration centre, Nitte were present. Later, students and staff of Biotechnology department under the leadership of Dr. C. Vaman Rao planted about 80 saplings around the NET campus.

![Image of saplings being planted]

**Paper presentation**

**Staff Achievements**

1. A paper titled “Potential bio-conversion of waste paper into value added products: an Economical, Ecofriendly and Bio-refinery approach” was presented by Dr. Anilkumar H. S, Associate Professor, at National Conference on Science and Technology “Recent Advances in Physical, Chemical, Mathematical and Biological Sciences for Energy, Health and Environment” (NCST-RU-2017) organized by The Indian Science Congress Association-Bengaluru Chapter in association with Mangalore University, Faculty of Science and Technology on 8 - 9th Sept 2017.

2. A paper on “Antibiotic functionalized nanostructures as potent drug delivery agents against multi drug resistant bacteria” was presented by Dr. Vidya S. M, Professor, at National Conference on Science and Technology “Recent Advances in Physical, Chemical, Mathematical and Biological Sciences for Energy, Health and Environment” (NCST-RU-2017) organized by The Indian Science Congress Association-Bengaluru Chapter in association with Mangalore University, Faculty of Science and Technology on 8 - 9th Sept. 2017.

**UG Students Achievements**

1. A paper titled “Ecofriendly Synthesis Of Silver Nanoparticles Using Oil Seed Cake and its Application in Biodiesel for Performance Evaluation of 4 Stroke Diesel Engine” was presented by Nireeksha K.
Sanjana S. and Shreya S. Jathhan (VII Sem) in National Conference on Emerging Trends in Mechanical Engineering held on 4th and 5th August 2017, St. Joseph’s Engineering College, Mangalore. This work was carried out under the guidance of Mrs. Sneha Nayak, Asst. Professor, Biotechnology Engineering, Mr. Santhosh G. Asst. Professor, Mechanical Engineering and Dr. C. Vaman Rao, Professor & Head Biotechnology Engineering.

2. A paper titled “Process Improvement in Microwave Assisted Acid Digestion of Oil Cake” was presented by Ms. Ashwini G. Shenoy, Ms. Soumya M. Rao, Ms. Inchara Crasta and Ms. Udbhavi KB of 5th semester B.E. Biotechnology at Symbiot 2017 organized by Biotechnology Department, MIT, Manipal in association with Institution of Engineers Biotechnology Chapter on 11th & 12th August 2017. This paper was awarded as the third best paper in the conference. This presentation was part of their Project based Audit course carried out under the guidance of Mr. Venkatesh Kamath H. and Dr. C. Vaman Rao.

3. A paper titled “Rational antibody Designing for the Clearance of Endotoxin” was presented by Ms. Angel Mendonca, Ms. Kavitha S. G., Ms. Padmini M. R. and Ms. Varshitha B. N. of 5th semester B.E. Biotechnology at Symbiot 2017 organized by Biotechnology Department, MIT, Manipal in association with Institution of Engineers Biotechnology Chapter on 11th & 12th August 2017. This presentation was part of their Project based Audit course carried out under the guidance of Dr. Bharath B. R.

4. A paper titled “Comparative evaluation of growth and polysaccharide production by Lactobacillus rhamnosus and Lactobacillus acidophilus” was presented by Ms. Anushree M., Ms. Anushri U., Ms. Chithralekha and Ms. Manasadeepika of 5th semester B.E. Biotechnology at Symbiot 2017 organized by Biotechnology Department, MIT, Manipal in association with Institution of Engineers Biotechnology Chapter on 11th & 12th August 2017. This presentation was part of their Project based Audit course carried out under the guidance of Dr. Vidya S. M.

5. A paper titled “Chemical and biological synthesis of silver Nanoparticles - A comparative study” was presented by Mr. Shreyas Rai M., Mr. Prekshananda A A, Ms. Ramya Hande and Mr. Sarvesh C. Prabhu of 5th semester B.E. Biotechnology at Symbiot 2017 organized by Biotechnology Department, MIT, Manipal in association with Institution of Engineers Biotechnology Chapter on 11th & 12th August 2017. This presentation was part of their Project based Audit course carried out under the guidance of Ms. Sneha Nayak and Dr. C. Vaman Rao.

6. A paper titled “Production of lactic acid from biodiesel industry residues using Lactobacillus rhamnosus” was presented by Ms. Alva Melita A., Ms. Amrutha K., Ms. Ananya, Ms. Jenishia Menezes and Mr. Nakhul Pai of 5th semester B.E. Biotechnology at Symbiot 2017 organized by Biotechnology Department, MIT, Manipal in association with Institution of Engineers Biotechnology Chapter on 11th & 12th August 2017. This presentation was part of their Project based Audit course carried out under the guidance of Mr. Venkatesh Kamath and Dr. C. Vaman Rao.

7. A paper titled “Co-utilization of Pongamia seed cake hydrolysate and glycerol for bio-oil production” was presented by Devika Bhat, Dikshita Adyanthaya, Roopakshi and Saniha Khathija of 5th semester B.E. Biotechnology at Symbiot 2017 organized by Biotechnology Department, MIT, Manipal in association with Institution of Engineers Biotechnology Chapter on 11th & 12th August 2017. This presentation was
part of their Project based Audit course carried out under the guidance of Ms. Harshitha J. and Dr. C. Vaman Rao.

8. A paper titled “Statistical Modeling of Microwave Assisted Acid Digestion” was presented by Ms. Ashwini G. Shenoy, Ms. Soumya M. Rao, and co-authored by Ms. Inchara Crasta and Ms. Udbhavi KB of 5th semester B.E. Biotechnology at National Level Conference RACEE 2017 organized by Chemical Engg Department, SSN College of Engineering, Chennai on 18th August 2017. This paper was awarded as the Best paper in the conference. This presentation was part of their Project based Audit course carried out under the guidance of Mr. Venkatesh Kamath H. and Dr. C. Vaman Rao.

9. A poster on “Production of lactic acid from biodiesel industry residues using Lactobacillus rhamnosus” was presented by Ms. Alva Melita A., Ms. Amrutha K., Ms. Ananya, Ms. Jenishia Menezes and Mr. Nakhul Pai of 5th semester B.E. Biotechnology at National Conference on Science and Technology “Recent Advances in Physical, Chemical, Mathematical and Biological Sciences for Energy, Health and Environment” (NCST-RU-2017) organized by The Indian Science Congress Association-Bengaluru Chapter in association with Mangalore University, Faculty of Science and Technology on 8-9th Sept 2017. This presentation was part of their Project based Audit course carried out under the guidance of Mr. Venkatesh Kamath and Dr. C. Vaman Rao.

10. A poster titled “Co-utilization of Pongamia seed cake hydrolysate and glycerol for bio-oil production” was presented by Devika Bhat, Dikshita Adyanthaya, Roopakshi and Saniha Khathija of 5th semester B.E. Biotechnology at National Conference on Science and Technology “Recent Advances in Physical, Chemical, Mathematical and Biological Sciences for Energy, Health and Environment” (NCST-RU-2017) organized by The Indian Science Congress Association-Bengaluru Chapter in association with Mangalore University, Faculty of Science and Technology on 8-9th Sept. 2017. This presentation was part of their Project based Audit course carried out under the guidance of Ms. Sneha Nayak and Dr. C. Vaman Rao.

11. A poster titled “Chemical and biological synthesis of silver Nanoparticles - A comparative study” was presented by Mr. Shreyas Rai M., Mr. Prekshananda A A, Ms. Ramya Hande and Mr. Sarvesh C. Prabhu of 5th semester B.E. Biotechnology at National Conference on Science and Technology “Recent Advances in Physical, Chemical, Mathematical and Biological Sciences for Energy, Health and Environment” (NCST-RU-2017) organized by The Indian Science Congress Association-Bengaluru Chapter in association with Mangalore University, Faculty of Science and Technology on 8-9th Sept. 2017. This presentation was part of their Project based Audit course carried out under the guidance of Ms. Sneha Nayak and Dr. C. Vaman Rao.

12. A poster on “Bioethanol Production by Co-fermentation of Non-edible oil cake and Glycerol using Rhizobium leguminosarum and Saccharomyces cerevisiae” at National Conference on Science and Technology “Recent Advances in Physical, Chemical, Mathematical and Biological Sciences for Energy, Health and Environment” (NCST-RU-2017) organized by The Indian Science Congress Association-Bengaluru Chapter in association with Mangalore University, Faculty of Science and Technology on 8-9th Sept. 2017. This presentation was part of the final year project carried out under the guidance of Mr. Venkatesh Kamath and Dr. C. Vaman Rao.
World Biofuel Day Celebration

World Biofuel Day was celebrated by Department of Biotechnology Engineering in association with Udupi District Bioenergy Research, Information & Demonstration Centre (BRIDC), and National Service Scheme (NSS) in NMAMIT, Nitte campus. The chief guests Mr. S. N. Sondur, Principal Scientist, KSCST, IISc Bengaluru and Mr. G. N. Dayanand, Manager (Operations) KSBDB Bengaluru inaugurated the event by planting the saplings of Biofuel plant (Amura, Simarouba, Hippe and Honne). Principal of NMAMIT Nitte Dr. Niranjan N. Chiplunkar, Vice Principal Dr. Shrinivasa Rao, Registrar Sri Yogesh Hegde, Dean (R&D) Dr. Sudesh Bekal, Professor Dr. Udayakumar Reddy, Professor B. Ramakrishna, NSS unit Chairman Dr. Janardhana Nayak also planted different varieties of biofuel saplings. The faculty and students of Biotechnology Engineering headed by Dr. C. Vaman Rao and BRIDC Coordinator Dr.Ujwal P. planted about 270 biofuel samplings. World biofuel day is celebrated in the memory of the first usage of biofuel (peanut oil) in diesel engine by Dr. Rudolf Diesel on 10th of August 1893. The seeds obtained from these plants are useful in producing non-edible oil which can be converted to Biodiesel. Biodiesel can be used in any diesel engine by mixing with petroleum diesel. The usage of biodiesel will reduce environmental pollution and also minimizes problems associated with non-renewable sources of energy. The Department of Biotechnology at NMAMIT houses Biofuel Production Centre and is actively involved in Biofuel research.

Department of Civil Engineering

1. Mr. Mithun B.M, Assistant professor Gd-I, department of Civil Engineering has successfully completed the thesis entitled “Performance of alkali activated slag concrete mixes incorporating copper slag as fine aggregate” under the guidance of Dr. M.C. Narasimhan, Civil Engineering department, NITK Surathkal and awarded with the Ph.d Degree issued by the Dean (Academic) NITK, Surathkal.

2. Dr. Mithun B.M., Assistant professor in department of Civil Engineering awarded with “Young Achiever 2017” and “Research Excellence Award 2017” by Institute for Exploring Advances in Engineering for his research work titled “Performance of alkali activated slag concrete mixes incorporating copper slag as fine aggregate”.

Manjunatha M.


GLOBAL WORKSHOP FOR LEADING ENGINEERS IN ASIA

The Global Workshop for leading engineers in Asia was conducted at Ritsumeikan University under the project
“International Industry-Academic Collaborative PBL for developing leading engineers bridging Japan and South Asia” of The Ministry of Education in Japan between 19th October to 24th October 2017 under the theme: “Challenges and Measures for the Integrated Field with Disaster Mitigation and Climate Change”.

one faculty and one graduate student from Universities of Six South Asian countries namely India, Malaysia, Indonesia, Thailand, Philippines and Vietnam along with Japan were the invited participants.

Dr Srinath Shetty K., Prof. in Civil Engineering, NMAMIT along with a graduate student Mr. Joel Dominic D. Almeida, who is studying 2nd year M. Tech in Construction Technology represented NMAMIT in this Global Workshop.

Department of Computer Science & Engineering

Inauguration of ACM activities for AY 2017-18

NMAMIT ACM Student Chapter organized the Inauguration of its activities for AY 2017-18 on 2nd November 2017. 100 ACM student members participated in the event. Dr. I. Ramesh Mithanthaya, Vice-Principal & Dean (Academics) was the Chief Guest and Dr. Niranjan N. Chiplunkar, Principal was the President of the event. Dr. Balasubramani R., Chief Coordinator florally welcomed the Chief Guest, President and the newly elected Chair, Mr. Pradeep B. and Vice-chair, Mr. Adithya K. V. Chief Guest and the President distributed badges to the newly elected office bearers. The President administered oath to the new office bearers. The President and the Chief Guest spoke about the importance of Professional Society chapters in academics. The Chief Coordinator gave an overview of various chapter activities along with new initiatives. Mr. Pradeep B. briefed about various activities conducted in AY 2016-17 and upcoming events for the year 2017-18. Prof. Venugopala P. S., Dept. of CSE proposed vote of thanks. Ms. Keerthana performed Master of Ceremony. Prof. Devidas, Prof. Ashwini and Prof. Deepa from ISE and Prof. Ankitha from CSE participated in the event.

Talk on “How to face campus interviews”

ACM-W student Chapter, NMAMIT organized a Talk on “How to face campus interviews” on 27 Oct. 2017. About 40 students attended the programme. Ms. Deepa, Assistant Professor, Dept. Of ISE welcomed the gathering. Ms. Meghana, Ms. Nidhi, Ms. Ramya and Ms. Shataswini from final year ISE were the resource persons. The talk included topics on preparing for aptitude test, group discussions, Technical interview and Hr interview.

AICTE Sponsored FDP on Context Aware Recommender System in Cloud Environment

Thiagarajar College of Engineering (TCE), Madhurai, Tamilnadu had organized AICTE Sponsored two weeks FDP
on Context Aware Recommender System in Cloud Environment from 20th Nov. 2017 to 3rd Dec. 2017. Dr. D.K. Sreekanta, Professor Dept. of Computer Science Engineering has participated in this FDP. This two weeks workshop was inaugurated by Prof. T.V. Geetha, the Dean of Anna University, Chennai. The Principal of TCE Prof. Abhai Kumar presided over the function and highlighted the need for constant up-gradation of technology for engineering staff to cope up with ever changing demands by the industry. Prof. TV Geetha has encouraged staff to adopt active learning strategies in class room and encourage the students to learn through experiments and projects.

The various technologies and tools like Context Aware Recommender Systems, IOT, BIG Data, Multi Criteria Decision Making, Real time data collection using Kafka, Mathematical Modeling, Deep learning, Wind power Forecasting, Phyton programming, Cloud and Fog computing were demonstrated in FDP. The resource persons were from IIT and IIT Hyderabad, Pantech Solutions, SanDisk, Bangalore, Centre for Wind Energy Technology, Chennai, Khosla labs, Bangalore and some senior staff of TCE have conducted the sessions. Python Programming spoken materials of IIT Mumbai were distributed to the participants for self study and online test was conducted on 27th Nov. Many of the participants secured IIT Mumbai Phyton certification. Dr. D.K. Sreekanta also interacted with the Principal, Registrar, Deans and Head of Computer Science, Electronics and Commutation engineering to understand the best practices of their college related to teaching, learning and research. A report was made on this study was presented to NMAM IT Principal and Vice Principal. The Principal Dr. Niranjan N. Chiplunkar has advised Dr. D.K. Sreekanta to present this report to the staff of CSE and ECE dept at the earliest to incorporate some of these best practices in our college.

**Web Technology Workshop**

Through Web SIG of NMAMIT ACM Student Chapter, a workshop on Basics of Web Technology was conducted on 9 November 2017. Mr. Amardhrupa N. Prabhu, III year CSE student cum ACM Web SIG Head was the resource person. Python Basics and HTML were covered in the workshop. 10 students from Web SIG group attended the workshop.

**AYUSHMAAN (A repository for medical plants)**

Project entitled “**AYUSHMAAN – A repository for medical plants**” – developed by the faculties (Dr. Aravinda C. V., Dr. Uday Kumar Reddy, Prof. Radhakrishna Dodmane and Prof. Raghunandan K. R.) and students (Vignesh Shenoy, Srinivas Kini, Venkatesh Prasad and Vijeth) of dept. of Computer Science and Engineering of NMAM Institute of Technology, Nitte have won the first place in the ‘National Startup Summit 2017-competition of India’ held at Chennai.

AYUSHMAAN is a repository for medical plants - based project is developed in the intension of creating a awareness of the plants of our surroundings in the society. Which provides a platform to learn the importance of the plants and the method of using it as an medicine for the various diseases. The project facilitates the end users to share their findings about plants. It even provides how to prepare solutions for various medical related issues as a home remedy.

As a representative startup of India the AYUSHMAAN team has been invited by the CCEU Daegue Korea to take part in the 3rd Global Innovator Festa, one of the biggest Startup events in Korea, to be held on November 3 – 4, 2017.

The AYUSHMAAN team lead Dr. Aravinda C.V. and Dr. Uday Kumar Reddy attended this event as the representative startup of India in the CCEI Daegu GIF.
“Workshop on Web Automation Testing Tools”

The Computer Society of India, NMAMIT Student Branch organized a workshop on “Web Automation Testing Tools” on 16th and 17th September, 2017. The resource person for the workshop was Mrs. Seema Nair, Senior Development Lead QSG Technologies, Bangalore. Mrs. Seema Nair is also alumna of department of CSE, NMAMIT.

HOD Dr. Uday Kumar Reddy, advised students to take full benefit of workshop. The Student Branch counselor Prof. Sharada U. Shenoy, welcomed the gathering and advised the students to gain knowledge and continue to learn. Prof. Roshan Fernandes and Prof. Chinami Shetty coordinated the workshop. Prof. Roshan Fernandes also briefed about the workshop. Mr. Srinivas, student Chairman introduced the speaker.

The workshop covered the following aspects:

- Introduction to web Automation
- Elements Locators-ID, XPath, CSS, Name, Linktext
- Page Object pattern
- Handling Test Data
- Web Automation Tool-Selenium Web driver
- Web Automation Framework: Testing
- Build Tool-Maven

The workshop witnessed the active participation of 82 out of which 76 students and 6 faculty members of CSE/ISE and MCA departments.

Inauguration of IOT Audit Course and IOT Club - 2017

Dept. of Computer Science & Engineering had organized the inaugural function of One year Audit course on Internet of Things (IOT) and IOT Club on 31st Aug. 2017. Mr. Rajendra Bendre, the founder of Creative Wandering company was the chief guest for this function and also inaugurated the Audit course on Internet of Things (IOT) and IOT Club-2017. About 150 participants who are the members of IOT Audit course, IOT club, other interested students, IOT student and staff coordinators have participated in the function. Dr. K.R. Uday Kumar Reddy, Head of CSE Dept. has welcomed the gathering. Dr. D.K. Sreekantha, IOT coordinator, has delivered the Keynote address and shared the road map of IOT activities at present and in future. The chief guest highlighted the need for the creativity and innovation in the design of systems and called upon students to actively involve themselves in socially relevant projects and adopt ecosystems approach. Dr. I.R. Mithanthaya, the Vice Principal and Dean Academics presided over the function and advised students to make the best use of Centre for Student Innovation (CFSI) facility to carryout IOT projects and excel in competitions. The IOT Audit course students who were successful in the first round of Intel Innovation Challenge competition hosted by Intel Corporation, Bangalore were felicitated on this occasion. Dr. M. Javed introduced the chief guest. Dr. Aravind Gowda proposed the vote of thanks. Mr. Rajendra Bendre delivered a talk on IOT Platforms, Applications and Ecosystems. Dr. D.K. Sreekantha has presented the videos on smart home, smart city and health care applications of IOT.

“Image Processing And Machine Learning Using MATLAB”

The Computer Society of India, NMAMIT Student Branch organized a workshop on “Image Processing and Machine Learning using MATLAB” was conducted on 23rd and 24th September, 2017. The resource persons for
the workshop was Dr. Mohammad Javed and Prof. Shabari Shedthi B, Assistant professors from the department of CSE. The Student Branch counselor Prof. Sharada U Shenoy, welcomed the gathering and introduced the speaker.

The workshop started with the basic aspects of Image Processing and the theory. It was then followed by the concepts of Image Enhancement and Restoration, Color image Processing, Representation and description along with a hands-on approach using MATLAB.

On 24th the workshop began with a detailed explanation on the fundamentals of Machine Learning followed by hands on. The concluding topic was a case study on Image Processing and Machine Learning.

Total 42 participants actively participated in the event from CSE, ISE, ECE, MECH.

ACE Social Event

As a part of social event organised by Department of CSE, this year Association of Computer Engineers visited govt school pervaje to teach about HTML, Lists and Forms.

Students who are yet to learn about computer science are given brief introduction and taught basic concepts of above mentioned topics so that it will help them in their future studies.

The event was held on 9th november 2017 at Govt School Pervaje, ACE members and volunteers took part in the event. ACE coordinator Prof. Raghunandan K. R. and Prof. Pawan Hegde was the incharge of the event and other coordinators were present and helped us with the event.

Department of Electronics and Communication Engineering

Analog Ic Design & System Design Using Cadence & Orcad P-spice

Department of Electronics and Communication Engineering of N.M.A.M. Institute of Technology, Nitte organized a Five Days workshop on “ANALOG IC DESIGN & SYSTEM DESIGN USING CADENCE & ORCAD P-SPICE” between 31st July and 4th August 2017. The workshop aimed at bringing awareness amongst the faculty members about the topic. The inaugural function of the workshop was held on 31st August 2017. Mr. Damodar, Business Head, Entuple Technologies Bengaluru was the chief guest of the function. Dr. I. R. Mithanthaya, Vice Principal in his presidential remarks stressed the importance of practical knowledge. Dr. Rekha Bhandarkar, the convener of the workshop welcomed the gathering. Mr. Mahaveer K, Coordinator, Asst. Prof. briefed about the agenda of the workshop. Mr. Pradyumna, Coordinator, Asst. Prof. delivered vote of thanks. Mrs.Vaishali, Asst. Prof. compered the programme. There was an informal valedictory where certificates were distributed to all participants by Principal Dr. Niranjan N. Chiplunkar. Mr. Mahaveera K, Coordinator, Assistant Professor, compered the valedictory function.
**Technical Talk on “My Journey after Nitte: Automation, Automotive, Healthcare and 3D Printing”**

The Department of Electronics and Communication Engineering of N.M.A.M. Institute of Technology, Nitte organized a Technical talk on “My journey after Nitte: Automation, Automotive, Healthcare and 3D printing” on 9th August 2017 for the benefit of the students. Mr. Deepakraj, CEO, Osteo3D Pvt. Ltd. was the resource person.

**Talk On “Opportunities For Higher Studies And Career Options In VLSI”**

The Department of Electronics and Communication Engineering of N.M.A.M. Institute of Technology, Nitte organized a Technical talk on “Opportunities for Higher studies and Career Options in VLSI” on 18th August 2017 for the benefit of the students. Mr. Rakesh K.K., Alumnus of the department has given an insight into various opportunities in for higher studies and career options in the field of VLSI.

**Technical Talk on “Space Technology and Chandrayaana Mission”**

The Department of Electronics and Communication Engineering of N.M.A.M. Institute of Technology, Nitte organized a Technical talk on “Space technology and Chandrayaana Mission” on 23rd August 2017 for the benefit of students. Dr. Ananth A. G., Professor of the department has given an insight into various aspects involved in Chandrayaana Mission.

**Technical Talk on Mathematical Transforms and their Applications by Dr. S. N. Iyer**

ELECSA had organised a technical talk by Dr. S. Narayana Iyer on “Mathematical Transforms and their Applications” on 29th August 2017. Mrs. Sunitha Lasrado, Assistant Professor, Dept. of ECE introduced the speaker to the students. Dr. Iyer began his talk by brainstorming students on the number of transforms they know, later touched upon the basic transforms namely Laplace Transform, Z-Transform and Fourier Transform. He discussed their definitions in real sense and how and when they are to be used.

**Technical Talk By Mr. Hannibal Paul**

ELECSA had organised a technical talk on “Upward Directed Manipulator on an Aerial Robot for High Altitude Application” for students of 5th semester of Electronics and Communication Engineering on 30th August 2017. The speaker for the talk was Mr. Hannibal Paul, who is presently pursuing his PhD from Ritsumeikan University BKC, Japan. Mrs. Sunitha Lasrado (Assistant Professor, Dept. of ECE) felicitated the speaker. Ms. S.V. Ghayathri (Vice President, ELECSA) introduced the speaker to the students. Mr. Hannibal Paul discussed about different UAVs, the importance of image processing. He also introduced the students to different processing boards and their performance. He shared his own experience of the different problems faced during his research in Ritsumeikan University.
Technical Talk on Digital Filter Design by Dr. S. N. Iyer
ELECSA had organised a technical talk by Dr. S. Narayana Iyer on Digital Filter Design on 12th September 2017. Ms. S.V. Gayathri (Vice President, ELECSA) introduced the speaker to the students. Dr. Iyer as a starting note discussed why the analog signals need to be converted to digital signals and introduced the concept of Filter. He introduced Digital Filter, its block diagram and the advantages of Digital Filter. Ms. Sneha J. (Executive member, ELECSA) proposed the vote of thanks.

Technical Talk on Signals and Their Convolutions by Dr. S. N. Iyer
ELECSA had organised a technical talk by Dr. S. Narayana Iyer on Signals and their Convolutions on 13th September 2017. Ms. Apoorva Shenoy introduced the speaker to the students. Dr. Iyer initially gave an overview of signals to all the students and explained the singular signals.

Elecsa Chess Championship
ELECSA had organized an intra-branch Chess Championship tournament on 16th September 2017. 36 students participated in 9 different teams representing 9 different sections from the 3rd, 5th and 7th semester. After 5 exciting rounds, 7th sem ‘B’ section represented by Sudarshan Shenoy, Pranav Shetty, Hulagappa Biradar, Jhenkhar K.S. emerged as Winners and 5th sem ‘A’ section represented by Gururaj, Adithya M.D., Ashrith Jain, Abhishek were the Runners Up. Shreyas B.S. (Joint-Secretary, Sports), Pavan P. Bhat and Hitha S. Rai the representatives of the college at state level chess tournament and proud members of ELECSA organized the event along with the office bearers.

Workshop - Arduino Made Simple
ELECSA organized Arduino Made Simple, an introductory level hands-on workshop on Arduino on 20th September 2017. The workshop was conducted by Mr. Pradyumna G.R. (Assistant Professor, Dept. of ECE). Mr. Pradyumna G.R. began the workshop by brainstorming the students on different aspects of Arduino and Arduino IDE. He also gave students an insight into different projects that can be undertaken using Arduino. After the initial talk, students were given hands on experience on using Arduino and Arduino IDE, to understand various concepts of engineering. A dedicated team of volunteers lead by Mr. Adithya M.D. and Mr. Joyan Rego helped to reach out to the 70 participants.
**Pcb Design and Fabrication**

ELECSA organized PCB Design and Fabrication, a beginner’s workshop on 23rd September 2017. The workshop was conducted by Mr. Basthi Bharath Shenoy, (Research Scholar, NITK). 60 students have participated in the workshop. Mr. Suhrith D. B. (Treasurer, ELECSA) introduced the speaker to the students. Mr. Basthi Bharath Shenoy began the workshop by introducing the students to “EAGLE”, a PCB design tool. He also gave the students an overview of the PCB design procedure.

**Isro Space Exhibition**

Department of Electronics and Communication Engineering of N.M.A.M. Institute of Technology, Nitte in association with Indian Space Research Organization (ISRO) has organized a Two Day Space Exhibition on 27th and 28th September 2017. The event aimed at bringing awareness amongst school and college students on the space activities of our Nation. The inaugural function of the event was held on 27th September 2017. Sri. Guruprasad B. R., Public Relations Executive, ISRO, Bengaluru was the chief guest of the function. As a part of the event the demonstration of water rocket launch experiment was carried out on both sessions on both days. There were expert lectures from Sri. Guruprasad B.R. on both days of the event. All schools and colleges of Udupi and South Canara districts were invited for the event. More than 2000 students and faculty from various institutions have actively participated in the event. The event was held at two places parallely. There were not only exhibits and panels displayed during the exhibition, but also rare video capsules from ISRO were played continuously in the indoor auditorium.

**Department of Electrical and Electronics Engineering**

The following technical papers have been presented in the National Conference on Advances in Electrical and Electronics Engineering – 2017 (NCAEE-2017) conducted in our college premises on April 11-12, 2017 and published in International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering (IJIREEICE).

**Indexed Journal Publications in April 2017**


Research Publications in May 2017
The following papers were presented in International Conference on Emerging Trends in Engineering (ICETE-17) held at NMAMIT, Nitte on May 12, 2017 and published in the Special Issue of NMAMIT Annual Research Journal, 2017 by our faculty members:


IEEE Conference publications

1. Pradeep Kumar, Meghana Gujjar presented “Comparative analysis of Field oriented control of BLDC motor using SPWM and SVPWM techniques” in the IEEE International Conference on Recent Trends in Electronics Information Communication Technology, May 19-20, 2017, India


5. Dr. Nagesh Prabhu and Jayashree M, presented a paper titled “Simulation and Performance Analysis of a Three Phase Voltage Source Converter with Energy Storage” in IEEE International conference on Smart grids, Power and Advanced Control Engineering (ICSPACE) and chaired the session at global Academy of Technology Bangalore during 17-19 August 2017.

Elsevier Energy Procedia Publications


Chairing the Technical Session in IEEE Conference

1. Dr. Nagesh Prabhu has Chaired the technical session in IEEE International conference on Smart grids, Power and Advanced Control Engineering (ICSPACE) and chaired the session at global Academy of Technology Bangalore during 17-19 August 2017.

“Summer Research Internship”

Summer Research Internship on “Design and Sensor System development using LoRA” and “ECG Signal Modeling and Generation” was conducted by the Department of Electrical and Electronics Engineering which was attended by 07 students from the Department of Electrical and Electronics Engineering and 02 students from the Department of Electronics and Communications Engineering during May –July 2017.

“SRISHTI - 2017” at RVCE Bangalore

Mr. Prajwal Puranik and Mr. Akash Shenoy of IV SEM E&E Engg won third place in the Project exhibition competition, SRISHTI -2017 held at RVCE Bangalore on May 26, 2017.
A one week faculty development programme on Control of Power electronic converters – a hardware based hands-on workshop was organized by Department of Electrical and Electronics Engineering, NMAMIT, Nitte during 17th-21st, July 2017.

Inaugural function of FDP was held on July 17, 2017. Dr. Niranjan N. Chiplunkar Principal, NMAMIT, Nitte was the chief guest. Dr. Nagesh Prabhu, Convener of the FDP and HOD of E&E department welcomed the gathering and wished for a successful and fruitful workshop. Dr. Pinto Pius A.J. Professor and coordinator of the FDP presented the overview of the FDP and explained the importance of having hands on experience. Dr. Niranjan N. Chiplunkar the Principal of NMAMIT inaugurated the FDP and appreciated the efforts of the department in organizing such a faculty development program. Mr. Pradeep Kumar, Asst. Professor gave away the vote of thanks. Ms. Raksha Adappa, Asst. Professor was the Master of ceremony.

The objective of the FDP was to address the complexities involved in generating gating pulses for switching devices like IGBT used in power electronic converters. It was a hardware based hands on workshop. Faculty members involved in research activities of different academic organizations were the participants. A total of twenty participants, nine external and eleven internal faculty members had registered for the FDP and had hands on experience in generating gating pulses and other hardware requirements of power electronic converters.

The FDP was attended by 9 external participants from various colleges across the state and 8 internal faculty members.

**Two day Value Added course on “VLSI Circuits and Design”**

A two day Value Added Course on “VLSI Circuits and Design” was conducted on July 28-29, 2017 at NMAMIT. The objective of this value added course was to introduce VLSI fabrication processes, design rules and design tools to the students. On the first day, Mr. Raghavendra Prabhu, Asst. Professor, Department of E&E Engineering, gave insight of VLSI design flow and explained about nMOS and CMOS fabrication processes. Later, students had hands on sessions with Microwind Lite where they drawn layouts of nMOS, pMOS and Transmission gates on Microwind. Students also learned how to draw the schematics in DSCH tool and then generate Verilog files. The Verilog code was then compiled in Microwind to auto generate the Layout of the schematic circuit. They also got expose of DRC and verification.
Inauguration of Centre for Design of Power Electronics Systems

The Principal Dr. Niranjan N Chiplunkar inaugurated the Centre for Design of Power Electronics systems on August 02, 2017. Prof. Suryanarayana led the programme. The HODs and professors of other branches participated in the inauguration.

Career after Graduation

The Dept. of E&E Engg students union ELITES organized a talk on “Career after Graduation” on August 26, 2017 by Mr. Anil Gundmi from TIMES, Mangalore Branch for the benefit of all the final year E&E Engg students. He explained the various avenues available to the students after graduation both for higher studies in India and abroad as well as various types of jobs.
Outreach Program

The Department of ISE in association with VISTA organised a ‘Department Outreach Program’. 38 students of class 8th Standard from Dr. N. Shankara Adyanthaya Memorial Senior Secondary School learnt about the basics of computer and its applications.
1) Displaying different parts of computer.
2) Use of MS office applications like MS Word, Power Point. Inserting images and contents from the internet as well as preparing slides.
3) How to create an email account and send emails (Gmail)
4) How to access Social networking sites like Facebook.
5) Google Maps and MS Paint.

“Moon Scholarship 2017-18”

On 24th August 2017, a cheque of 20,000/- INR was handed over to B. Shwetha Rao from the VII Semester Information Science and Engineering Department. It was done under the Moon Scholarship awarded by the alumni of Information Science and Engineering Department (batch 2015-16) for the year 2017-18. During the awarding of cheque, Mrs. Ashwini B, Associate Professor in ISE, Mr. Devidas, Assistant Professor in ISE, Mr. Srikanth Bhat K, Assistant Professor in ISE and Ms. Harshitha, alumnus of the department of ISE were present.

The Scholarship was awarded for an online course by udacity.com on Machine Learning. This machine learning Nano degree program will teach how to apply predictive models to massive data sets in fields like finance, healthcare, education, and more. The student will learn how to build models to predict real estate prices and predict the number of survivors in the sinking of the Titanic, among others. There are 6 projects to be completed and one thesis paper to be submitted. The student is given various study aids like online videos, mentors and one-on-one sessions to clarify doubts. The coding to implement machine learning algorithms is done through the python programming language. It is a self-paced study course and the student aims to complete the course in 4 months. The completion of the course is estimated to be by the 1st of December 2017. The course payment is 12,000/- INR per month. The partial payment of the course fee is through the scholarship program.

“Coding Contest”

The Coding Contest was organised by VISTA, had its preliminary round on 30th August 2017. 68 students (two in a team) from the department of ISE participated in this event. The answer sheets were thoroughly examined and the top 30 teams were selected to the next round.

The Pre-Final round for the selected students was held on 20th September 2017, where they were given a set of 7 questions to solve. On immediate analysis, the top 11 teams were chosen to the final round. On the same day, final round was conducted in the department lab.

In the final round students were once again given a set of 7 questions which they had to code and generate the required output. The volunteers under the guidance of the Co-ordinator approved the outputs. Programs logic was also examined. The team, which could get the maximum right outputs in the given time constraint was declared as the winner.

The event generated considerable amount of enthusiasm amongst the participants, which also helped them to revise over their programming skills.
RESULT OF CODING CONTEST:

WINNERS: Harsha Kiran (5th Sem ‘A’ Section)
Adithya Yogish Pai (5th Sem ‘A’ Section)

RUNNERS-UP: Muralidhar Pai (5th Sem ‘B’ Section)
Nandhan Prabhu (5th Sem ‘A’ Section)

“Technical Talk on AngularJS”

The department of ISE organized a technical talk series on AngularJS by its alumnus for pre final year students. The first technical talk of the series was held on 5th of August 2017. Mr. Nikhil Deshpande & Mr. Shrishyam, who are alumnus & working in Unicourt solutions, Mangalore took this session. They briefed to the students on certain theoretical topics pertaining to the basics of AngulaJS, followed with a handson session. It was an interactive session, which provided the students with a sufficient knowledge and insight on current industry expectations on this topic. The department alumni coordinator Mr. Devidas coordinated for this event.

“Non-Technical Competitions”

With an attempt to nourish and explore the talents of our students, to demonstrate their creative skills, Team VISTA organised three non-technical competitions on 27th September 2017. The competitions were held in our department class rooms during the Department activity slot, 84 students from the department participated in this event. The competitions held were as follows:

1. Meme creation:

This competition challenged the creative thinking capability of the students. The event had 12 teams participating with 2 students in each team. The themes offered were India, Music and iPhone. Given a time constraint of 15 minutes, of which 3 minutes was given for browsing for pictures of the related theme and 12 minutes for writing memes, students came up with unique and humorous memes. This competition was judged by Mr. Devidas Bhat, taking creative perception and number of memes made as the criteria.

2. Create:

The participants were given some materials on random (CD’s, straws, paper pieces etc.) and were asked to create anything appreciable using only the materials provided. There were 15 teams participating with the maximum of 3 in each team. The competition was judged on the basis of efficient usage of the materials, creative outcome and neatness. The judges were Ms. Rashmi and Ms. Deepa Shetty.

3. Market Kshetra:

This competition provided students an opportunity to showcase their skills of marketing, which in addition showed their effective communicating abilities. The competition had 15 participants, who were individually given different items to market on. The participants had to answer the questions thrown at them by the judge Mr. Abhishek Rao and the audience. The confidence and the intelligent speaking skills of the participants were considered and the winners were declared.
The Winners are:

**Meme Creation**
First place : Sohan, Shamweel, Sathwik (2nd year, ISE)
Second place : Rakshith Kumar, Rahul J (3rd year, ISE)
Second place : Pranav Jogi, Chinthan Bhat (3rd year, ISE)

**Create**
First place : Anusha, Meghana, Arpitha (2nd year, ISE)
Second place : Prachi, Shreya, Sathyabhama (2nd year, ISE)

**Market Kshetra**
First place : Disha Shetty (3rd year, ISE)
Second place : Vaishnavi (2nd year, ISE)

With the corporation showcased by the participants and the audience, the competitions organized went as expected and was a success. The summary of the day would not end without mentioning the commendable efforts and meticulous planning of the VISTA co-ordinator, office bearers and the volunteers.

“Recent Trends in Web Development for UI Developers”

ISTE in joint association with VISTA (Dept. of ISE, Student Association) organized a technical talk on the topic “Recent Trends in Web Development for UI Developers” by Prof. Alok Ranjan, Asst. Professor, Dept. of CSE, CEC, Mangalore on 11th October 2017. Mr. Abhishek S. Rao, Asst. Professor, Dept. of ISE introduced the speaker to the gathering. Prof. Karthik Pai B. H, Head, Dept. of ISE welcomed the speaker with a flower. The speaker briefed on the fundamentals of web design and web development and also stressed on the concepts of HTML 5, CSS 3, JavaScript, JQuery, JSON, Angular JS, Bootstrap and many others. A total count of 76 students from third year and 5 faculty members from the department of ISE got benefited from the session. Prof. Vasudeva Pai, Chief Coordinator, ISTE Student Chapter presented a memento to the speaker as a token of respect and gratitude followed by vote of thanks by Mr. Abhishek S. Rao.

“Work Smarter with Google”

VISTA had organized the event on “Work Smarter with Google” on 4th October 2017. The main goal of this event was to bring awareness of Google Apps and its benefits to the Students. Google Apps hands-on session were conducted by Mr. Jason Elroy Martis, Mr. Srikanth Bhat K, Mr. Abhir Bhandary, for the interested students of 3rd Semester of ISE Department, 18 Students attended the event.

The topics covered were, hands-on sessions on the usage of Google PowerPoint, Google Docs, Google Drive, Google Classroom, Google Forms, Google Calendar, Google Mail, Google Assistant (OK google), Google Translate. All the three resource persons in detail explained how effectively these google apps can be used.
Mr. Jason Elroy Martis shared his in-depth and inspirational experience with students about the Digital Marketing, he also explained Google AdWords & Google Analytics Tools. Google AdWords is an advertising service by Google for businesses wanting to display ads on Google and its advertising network. Google analytics service offered by Google that tracks and reports website traffic from different region.

Department of Mechanical Engineering

Project work at Hyundai Motors Chennai

Two final year mechanical engineering students of NMAM Institute of Technology Nitte have been selected to carry out their final year project work at the Hyundai car plant in Chennai during June-July 2017. Gautam Mayya and Mohammed Saud are participating in this project work. It is indeed prestigious for the students to get projects from car makers like Hyundai and to get a first-hand exposure from the project teams of Hyundai.

Internship at University of Antwerp Belgium

Two final year students of Mechanical Engineering Department of NMAM Institute of Technology Nitte Suhas N.S. and Preetham M. travelled to University of Antwerp, Belgium on 26th May 2017 for carrying out 5 weeks’ project work-cum-internship at the department of Electro-Mechanical Engineering during 28th May 2017 to 2nd July 2017. The students will be working in the field of mechatronics on a project related to automated vehicles. NMAM Institute of Technology Nitte and University of Antwerp have a memorandum of understanding for student exchange programme of undergraduate, post graduate and doctoral programmes.

Nitte students @summer Schools in Germany & Indonesia

Two students of final year Mechanical Engineering of NMAM Institute of Technology Nitte, Glan Weston Crasto and Johnston Aranh participated in summer school courses titled “Systematic Product Innovation” organized by International Academy of RWTH Aachen University Germany during 12 to 23 June 2017 at Aachen. The students further undergone Green Drive summer schools on “skills and knowledge to design tomorrow’s vehicles” at Institute of Technology, Bandung Indonesia during 2 to 15 July 2017. The Green Drive is a project of the University of Antwerp in Belgium which is running a two years master’s degree in sustainable automotive engineering through a consortium of European universities. NMAM Institute of Technology is an academic partner of the University of Antwerp in the Green Drive programme in which the students of Green Drive project can carry out their project work at Nitte.
NMAMIT signs MOU with K H Designs Bengaluru for skill development of students

NMAM Institute of Technology has signed a Memorandum of Understanding (MoU) with KH Designs, Bengaluru (a SSC NASSCOM and SIEMENS PLM Partner) to provide skill training for the job profile of Mechanical Product Design Engineer. The objective of this MoU is to empower students with the skills and competencies of global standards required by manufacturing companies, design centers of multinational companies in India and the engineering design service companies.

On signing of the MoU, HOD Dr. Shashikantha Karinka said that India is going to be the next manufacturing destination. He further added that Government of India’s “Make in India” initiative will create a huge opportunity and our students will be ready with the industry relevant skill-sets to grab these job opportunities.

Every year in India many new cars are launched by the manufacturers. There are about 2000 unique plastic parts in a car. The design of parts using plastics is a challenge and offers a unique opportunity in the automotive sector. There are similar challenges in Aerospace, hi-tech consumer and medical equipment industry sectors. There is ample scope for students with the acquired skills in design of plastic parts.

Dr. Niranjan Chiplunkar, Principal of NMAMIT said that the institute updates the curriculum every year based on industry job profile and the skill requirements. NMAMIT being an autonomous college has freedom to incorporate these requirements. This will hugely benefit the students in getting a suitable placement quickly and also the industry who want to hire skilled engineers. The industries are getting the double benefit of saving of manpower training cost and the time.

Mr. Kiran Hebbar, Director KH Designs said presently more than one lakh mechanical design engineers are working in more than 400 engineering centers in India. Forecast is that by 2022, it will be three lakh mechanical design engineers. The training provided by KH Designs caters to students who want to pursue design as a career. The students are trained on both tool and domain skills.

Presently in the current year a batch of 50 students is undergoing the skill development training programme. In the next year about 100 students will get trained to become design engineers. Students will be trained over a year on CAD, New Product development process (NPD), GD&T, Plastic part design, sheet metal part design and die casting part design.

Technical Talk on “Technology Mission For Indian Railways”

The Department of Mechanical Engg., NMAM Institute of Technology, Nitte in association with The Institution of Engineers (I), Mangalore Local Centre organized a Technical Talk on “Technology Mission For Indian Railways” on 10-07-2017. Dr. Nalinaksh S Vyas, Professor, Dept. of Mechanical Engg., IIT Kanpur and Chairman, Technology Mission for Indian Railways, Ministry of Railways, Govt. of India was the speaker. He spoke at length about the
various R & D initiatives taken first under Technology Mission for Safety of Railways, which started in 2003 and the new technology mission which started in 2015. He gave examples of several projects related to areas of safety of Indian Railways, which was contributed by students. He stressed the need for active involvement of students and faculty in this mission so that we can develop cost effective systems, which will compete with some of the best systems in the world. Dr. Niranjan N. Chiplunkar, Principal, NMAMIT, Dr. Shashikantha Karinka, Head, Dept. of Mechanical Enng., NMAMIT, Nitte, Office bearers of IE(I), MLC, Professors from NMAMIT and NITK, Surathkal were present. Dr. Srinivasa Pai P, Dept. of Mechanical Enng., NMAMIT welcomed the gathering, introduced the guest speaker and proposed the formal vote of thanks. Prof. G.R. Rai, Former Principal, NMAMIT, Nitte and Chairman, Institution of Valuers, Mangalore Chapter was also present on the occasion.

**Industrial visit to Karnataka Soaps & Detergents Limited, Bengaluru**

An Industrial Visit was organized by the Department of Mechanical Engineering to Karnataka Soaps and Detergents Limited Bengaluru, Titan Industries Hosur and TTK Prestige Hosur with a total of 50 members including 47 students of 5th and 7th Semester and 3 staff coordinators departed from Mangalore on the 9th of November 2017. With great enthusiasm, the team proceeded for the industrial visit on 10th of November 2017.

- **Titan Industries** is the world’s fifth largest watch manufacturer and India’s leading producer of watches under the Titan, Raga, Orion, Nebula, Octane etc. The main focus of the industry was on production of gears, small parts, etc. and assembly of watches. The guide assigned to the students gave a brief overview of the industry. He began explaining about the basic procedures required to follow while building a simple wrist watch and mentioned about the minute details that need to be taken care of in the production of watches.

**Visit Observations:**

1. The entire plant was maintained at a cool temperature in order to facilitate the working of the machines.
2. The small gear like structures which looked like scrap metal were only seen properly when observed under a microscope.
3. Various safety measures were equipped such as placing the machines inside yellow lines on the floor and the visitors were asked to not cross these yellow lines.
4. Most of the assembly line processes of wrist watches were automated with the use of robots. Only inspections were done manually.
5. The watches which are not made of 24 carat gold are actually made out of brass and then plated with the required colour.

During the full session students had a tremendous amount of interaction with the guide with goal to grasp even more. The visit was concluded with a visit to the factory outlet.

- **TTK Prestige** is the leading manufacturer of pressure cookers in the whole of south India. In the beginning of the session, the team was enlightened about the history of the company followed by the advantages and necessities of using a pressure cooker. The evolution of pressure cooker was an interesting topic to learn about.
Visit Observations:
1. Various punching processes for manufacturing of cookers were involved. A typical assembly line of various numbers of employees was equipped for better productivity. The presence of each employee is necessary to begin production.
2. Finishing processes such as polishing and buffing are done by wearing a protective gear.
3. After the cleaning of utensils various fixtures are attached, the inspections are done manually and packed up.
4. The packed boxes are weighed again so as to detect any kind of defect or missing accessory.

The visit was concluded with a Complementary mini lunch offered by TTK Prestige.

- Karnataka Soaps and Detergent Factory Limited, Bengaluru, Karnataka.
The Government Sandalwood Oil factory was established by the Maharaja of Mysore His Highness Nalwadi Krishna Raja Wodeyar and Diwan Sir, M. Visvesvaraya, during the year 1916 at Mysore, to extract Sandalwood Oil from Sandalwood. Unlike an auditorium, an open-air session was conducted, about the advantages, medical importance and significance of Sandalwood tree were explained in a very brief manner. We were provided with immense amount of knowledge about sandalwood trees and its properties.

Visit Observations:
1. Large containers filled with various ingredients for the making of sandal soap.
2. The mixture was heated for hours until it turns to a curd-like solution which is later cooled naturally. This cooling might take a time span of 2-3 days.
3. The soaps are cut into the basic shape and manual packaging is done.

The industry had a factory outlet with discounted rates for the visitors.

This industrial visit was a great success as the amount of knowledge gained about ‘how an industry works’ and the management skills required to run an industry would be of great importance for all the members present.

Industrial visit to Lamina
The Department of Mechanical Engineering arranged an industrial visit on 09-11-2017 for 7th Semester students of Mechanical Engineering from NMAM Institute of Technology Nitte to M/s. Lamina Suspension Products Ltd. Baikampady, Mangalore.

The group was led by Dr. Mallikappa along with Mr. Sharath Chandra, Mr. Mohan Poojari and Mr. RaghavendraPai.
The products of this company enjoy an exclusive and extensive application in the Automobile Spare Parts Industry due to the hardening ability relative to the leaf thickness of the leaf springs along with load carrying effectiveness, factors which contribute to the efficacy of the entire structure. The range of products that this company offers is Leaf Springs, Automobile Leaf Springs, Grey Iron Castings, S.G. Iron Castings and Suspension Spares & Parts. The visit to the company was accompanied by Mr. Shaleen who is working there as the production manager. Automated quenching process was carried out to the forged parts using Industrial Robots. A brief introduction was given about mechanical testing lab and the manufacturing operations needed to fabricate the spring. The students were able to witness the operation with different capability machines.

**Inauguration of NMAMIT-Student Chapter activities of (CMSI-Vishakhapatnam)**

Condition Monitoring Society of India (CMSI-Vishakhapatnam) NMAMIT Chapter activities for the year 2017-18 were inaugurated on 26th October 2017. Dr. S. M. Murigendrappa, Associate Professor, NITK, Surathkal, was the Chief Guest for the function. The function started with invocation by Ms. Viditha, followed by welcome speech and a brief introduction about the CMSI was given by Mr. Dilip Kumar K, Coordinator of CMSI Chapter. Dr. Shashikanth Karinka delivered the presidential address and asked students members to request for industrial visits and arrange technical talk on relevant topics and actively participate in various events organised by the student chapter. The chief guest gave a technical talk about ‘Fracture Mechanics’ and building the bridge between conventional design and fracture study and also importance of fracture study in monitoring the condition of the machines and material strength. The function concluded with avote of thanks by Mr. Preethesh D’Souza, Student member of CMSI Chapter. Dean-Student Welfare Dr. Subrahmanya Bhat K, Advisor- NMAMIT and Adjunct faculty Sri. S. Gopinath, PG Coordinator Dr. Muralidhara, Dr. Srinivasa Pai P, Advisor, CMSI NMAMIT Chapter, Research scholars and Faculty from the Mechanical Engineering Department and about 30 student members were present. Mr. Jason D’Souza, the student member of CMSI Chapter was the master of ceremony.

1. Student association of MCA at NMAMIT, Nitte SamcA had arranged a technical talk on “Business Intelligence, Data Warehouse and ETL” by Mr. K.N. Sharat Kamal Upadhya, Team Leader, Accenture, Bangalore, an Alumni of the department of MCA, on 24th August 2017.
SAMCA had arranged a talk on “How to prepare for IBPS and other competitive exams” by Mr. Arun, Trainer, TIME coaching center Mangalore on 4th September 2017.

SAMCA had arranged 3 days Placement Training Program by QuanTech Origin, Bangalore, from 09th August 2017 to 11th August 2017 at MCA Seminar Hall.

**Teck-KNO’17**

The Department of MCA, NMAM.I.T, Nitte organized a technical competition in association with Robosoft Technologies, Pvt. Ltd. on 15th September 2017 for BSc, BCA and BCom (IT) students.

Mr. Umesh Kamath was the Chief Guest of the inaugural function. Dr. Niranjan N. Chiplunkar, Principal, NMAM.I.T, Nitte presided over the function.

Mr. Umesh Kamath, in his inaugural address briefed about the current trends in the industry and said that there are ample opportunities for Indians in the Global market.

Dr. Niranjan N. Chiplunkar encouraged the students to ramp up on the latest technologies used in the industry to become employable and also reiterated the importance of constant learning.

Dr. Surendra Shetty, HOD, Department of MCA welcomed the gathering.

The final round of the competition was judged by a panel consisting of Mr. Karthik K, Senior project Manager and Mr. Pradeep Kumar, VP, Information Technology from Robosoft Technologies, Udupi.

A cash prize of Rs. 10,000 was won as **First Prize** by the team from Madhav Pat Memorial College, Manipal. A cash prize of Rs. 5,000 was won as **Second Prize** by the team from St. Mary’s Syrian College, Brahmavar.

The prizes were distributed by Mr. Karthik K. and Mr. Pradeep Kumar from Robosoft Technologies.

Dr. Karuna Pandit, Professor, Ms. Mamatha Balipa, Associate Professor, Ms. Pallavi Shetty, Associate Professor, Ms. Spoorthi B. Shetty, Assistant Professor from the Department of MCA, NMAM.I.T, Nitte were the core committee members of Teck-KNO’17.
**SAMCA Unplugged**

The department of MCA organized an event SAMCA UNPLUGGED on 27th of October 2017. The Senior Customer Success Manager at Adobe India Pvt. Ltd., Ms. Sharath Ramaswamy was the Chief Guest.

The Head of the department Dr. Surendra Shetty welcomed the gathering. Director of MCA, Dr. K. Mohan Hegde explained how the MCA at NMAMIT has evolved from its initial days to become one of the sophisticated departments providing MCA course.

The chief guest of the function Ms. Sharath Ramaswamy shared her experience in working for various IT companies. She gave insights on the vast opportunities available in the various domains of IT industry.

Principal Dr. Niranjan N. Chiplunkar delivered the presidential address.

Newly elected office bearers of Student Association of MCA (SAMCA) were greeted on this occasion.

The formal function was followed by the guest lecture by Ms. Sharath Ramasamy on the topic ‘Current trends in IT industry and its ongoings’.

**MCA-exPro’17**

The Department of MCA had organized a Project Exhibition, ‘MCA-exPro’17 on 8th November 2017 in the department premises. The aim of the exhibition was to showcase the work done by the students of the Department, encourage them to think innovatively and develop projects that are helpful to the society.

The Principal of NMAM.I.T, Nitte, Dr. Niranjan N. Chiplunker inaugurated the exhibition. Addressing the gathering the Principal appreciated the Head of the Department Dr. Surendra Shetty and the faculty of the Department for organizing the event and advised them to conduct the event every year. Highlighting the importance of doing projects during their study, the Principal encouraged the students to take up projects helpful to the society. Speaking during the event, Dr. I. Ramesh Mithanthay, the Vice Principal of NMAM.I.T, Nitte, congratulated the students for their work and also encouraged the students to take up more work that will benefit the society. Dr. Surendra Shetty, Professor & Head, Department of MCA, NMAM.I.T, Nitte welcomed the gathering. Speaking on the occasion, Dr. K.M. Hegde, Director, Department of MCA, NMAMIT, Nitte, advised the students to take up projects in Artificial Intelligence, since it an emerging area. Dr. Sudesh Bekal, Dean (R&D), NMAM.I.T, Nitte, also scrutinized the projects and appreciated the students for their work.
A total of 16 teams, comprising all the students of fifth semester participated in the competition with enthusiasm, and exhibited their works. Each team had worked on unique projects taking the help from the faculty members. All the projects were of good quality and worked satisfactorily as per the design. However, for the sake of giving prizes, two best projects were selected based on certain judgment criteria.

The prize winning projects are as follows:

**First Prize:** Web Solutions for Community Health Department and Satellite Primary Health Centres, by Punith Kumar S. R, guided by Mr. Anantha Murthy.

**Second Prize:** Insemination Report Management in Dairy System, by Darshana Kodler, Chaitanya Bhat G, guided by Ms. Mangala A.G.

Ms. Sarika Hegde, Associate Professor, Department of CS & E, NMAMIT, Nitte and Ms. Sharada Shenoy, Associate Professor, Department of CS & E, NMAM.I.T, Nitte helped in evaluating the projects.

Ms. Mamatha Balipa coordinated the projects throughout the semester, right from the formation of teams, till the prize distribution. All the faculty and staff members of the department helped the students with their timely guidance and support.

**FAREWELL Program**

The department of MCA, NMAMIT bid farewell to final year students on 09th of November 2017.

The Director of the department Dr. K. M. Hegde wished the outgoing batch all the success. He advised students to show their commitment in carrying out internships. He also briefed about the need for catching up with current industry trends such as Machine Learning, Artificial Intelligence etc.

Talking on the occasion, head of the department Dr. Surendra Shetty urged students to take up projects which will help the society and mankind.

The Vice Principal and Dean (academics) Dr. I. Ramesh Mithanthaya presided over the function. On the occasion he congratulated the students. He requested students to mentor their juniors and to maintain a bond with the college.

Faculty members and students shared their memories being together in MCA. As a token of memory, mementos were distributed to the outgoing students.

**Department of Chemistry**

**Workshop on ‘Advanced Chemical Research for Engineering Applications’**

A day long workshop on ‘Advanced Chemical Research for Engineering Applications’ was organised by the Department of Chemistry, NMAM Institute of Technology, Nitte on 20th of July, 2017.

The program was inaugurated by Dr. Yelamaggad, Scientist from Centre for Nano and Soft Matter Research, Bengaluru and presided over by the Principal of NMAM Institute of Technology, Dr. Niranjan N. Chiplunkar.
Dr. C.V. Yelamaggad gave a talk on “Fluid and Doubly Refractive Gold nanoparticles: A New Class of Functional Organic-Inorganic Hybrids.” In the talk, he highlighted on the development of a new class of materials called Metamaterials which has given rise to Science of Invisibility. The basic concept is to bind liquid crystals onto gold nano particles which will have three characteristics in unison viz., (1) Surface Plasma Resonance (2) Double Refraction and (3) Fluidity. These metamaterials have a unique property of bending the incident light wave and thereby rendering the object invisible.

30 participants from the institute and from other nearby institutes had attended this workshop.

Dr. Ramesh Bhat, HOD, Department of Chemistry welcomed the gathering. Dr. Aarti Bhat, Associate Prof. introduced the chief guest. Dr. Janardhan Nayak, Co-ordinator of the workshop delivered vote of thanks. Mr. Subramanya Bhat, Assistant Professor, Dept. of Chemistry compered the programme.

**Department of Mathematics**

**“Analytical, numerical & Statistical Techniques-Applications”**

Department of Mathematics had organized a Two-day Workshop on “Analytical, Numerical & Statistical Techniques-Applications” during July 28-29, 2017. Dr. K. S. Basavarajappa, Professor & Head, Department of Mathematics, BIET, Davangere inaugurated the event on July 28th, 2017. In his inaugural address Prof. K.S. Basavarajappa made a mention of unemployment of engineers in India due to lack of fundamental knowledge in the respective discipline. He stressed on the importance of the basic knowledge of mathematics as fundamental to all practical and research related works. Dr. Niranjan N. Chiplunkar, Principal, NMAMIT, Nitte presided over the function and highlighted the importance of conducting such workshop. He emphasized the practical applications of mathematical sciences in engineering and research activities. Dr. Shashirekha B. Rai, Professor of Mathematics who was also the Convener of the workshop welcomed the gathering and spoke on the significance of the workshop. The Co-ordinators Dr. Sharad M. Hegde introduced the chief guest and Dr. Kumudakshi proposed vote of thanks. Ms. Anitha D. Bayar was the M. C for the inaugural program. About 40 faculty members from various colleges have attended this workshop.
Staff Achievements


Department of Physical Education

1. Organization Of Nitte Cross Country 2017:

Nitte Cross Country 2017 was conducted by the Department of Physical Education, Nitte in association with Udupi District Amateur Athletic Association, Udupi on 20th August 2017. All the age category Cross Country competitions like under 15 Years - Boys & Girls, under 18 Years - Boys & Girls and open category i.e., above 18 Years, Boys & Girls competitions conducted successfully. Total 612 athletes from Udupi Dist. participated in the competitions.

‘Nitte Cross Country 2017’ was inaugurated by Mr. John D’Silva, Former National Cross Country Runner and President, John’s Sports & Cultural Academy, Karkala on 20th August 2017 at 7.00 A.M with the presence of Dr. Niranjan N. Chiplunkar, Principal, NMAMIT, Sri A. Yogeesh Hegde, Registrar, NET, Sri. Balakrishna Hegde, Honorary President, Udupi District Amateur Athletic Association (UDAAA), Dr. Sankaran, Director, MBA, Dr. Mohan Hegde, Director, MCA, and Dr. Ramesh I. Mithanthaya, Vice Principal, NMAMIT, Mr. Prashanth Kumar Holla, Principal, NRAMP, Mrs. Radha Prabhu, Principal, Dr. NSAM Senior Secondary School, Nitte, Mr. K. Aravind Hegde, Special Officer, NET, Mr. Raghuram Nayak, Executive President, UDAAA, Mr. Shyam Sundar M, Sports Administrator I/C, NET and Mr. Dinesh Kotian, Secretary, UDAAA.

Sri. Ashok Adyanthaya, President, Udupi District Amateur Athletic Association was presided over the function.

In the closing function, Dr. Niranjan N. Chiplunkar, Principal, NMAMIT, Sri A. Yogeesh Hegde,
Registrar, NET, Sri Ashok Adyanthaya, President, UDAAA, Sri Balakrishna Hegde, Honorary President, UDAAA, Mr. John D’Silva, Former National Cross Country Runner,
Dr. Ramesh I. Mithanthaya, Vice Principal distributed the cash awards, mementos & Merit Certificates to the winners.
Dr. NSAM First Grade College, Nitte secured overall Championship and Dr. NSAM PU College, Nitte secured Runner-up. List of the prize winners and photographs enclosed herewith:-

Inauguration of Nitte Cross Country 2017
by Mr. John D’Silva, Former Cross Country Runner

Nitte Cross Country 2017 - Overall Championship secured by
Dr. NSAM First Grade College, Nitte

2. Organization in VTU Mangaluru Zone Table Tennis Tournament:
VTU Inter Collegiate Mangaluru Zone Table Tennis tournament was conducted by NMAM Institute of Technology, Nitte on 28th August 2017 successfully. Total 10 men and 5 women teams took participated under Mangaluru Zone colleges affiliated to VTU.

The tournament was inaugurated by Mr. Prashanth Kumar K, Principal, NRAM Polytechnic, Nitte on 28-08-2017 at 9.45 AM with the presence of Dr. Niranjan N. Chiplunkar, Principal, NMAMIT, (presided over the function) Mr. Shyam Sundar M, Sports Administrator I/C, NET, Mr. Ganesh Poojary, Physical Education Director & organizing Secretary, Mr. Muralidhar Sharma, Mr. Balappa Mane, Mr. A. K. Hussain, Ms. Sowjanya, Mr. Gangadhar P, Physical Education Directors, NET.

In the closing function, Mr. Shekar Poojary, Student Welfare Officer, NMAMIT distributed the trophies and certificates to the winners & runners of the tournaments.

Results of VTU Inter Collegiate Mangaluru Zone Table Tennis men tournament 2017
1st place - NMAM Institute of Technology, Nitte
2nd place - Sahyadri College of Engineering & Management, Mangaluru
3rd place - Mangalore Institute of Technology & Engg., Moodabidri
4th place - Srinivas Institute of Technology, Mangaluru.

Results of VTU Inter Collegiate Mangaluru Zone Table Tennis Women tournament
1st place - NMAM Institute of Technology, Nitte
2nd place - Mangalore Institute of Technology & Engg., Moodabidri
3rd place - SMV Inst. of Technology & Mgt., Bantakal
4th place - Sahyadri College of Engineering & Management, Mangaluru.

Presidential Address - Dr. Niranjan N. Chiplunkar,
Principal, NMAMIT, Nitte

Chief Guest Address - Sri. Prashanth Kumar K,
Principal, NRAM Polytechnic, Nitte

WINNERS - NMAMIT TABLE TENNIS WOMEN TEAM
WINNERS - NMAMIT TABLE TENNIS MEN TEAM

3. Organization in VTU Mangaluru Zone Badminton Men & Women Tournament 2017
VTU Inter Collegiate Mangaluru Zone Badminton both men & women tournament was conducted by NMAM Institute of Technology, Nitte on 1st & 2nd September 2017 successfully. Total 12 men and 8 women teams took participated under Mangaluru Zone colleges affiliated to VTU.

The tournament was inaugurated by Mr. Roshan Lal Nehar, Chief Coach, Karnataka Badminton Association, Bengaluru on 01.09.2017 at 10.00 AM with the presence of Dr. Niranjan N. Chiplunkar, Principal, NMAMIT, (presided over the function) Mr. Shyam Sundar M, Sports Administrator I/C, NET, Mr. Ganesh Poojary, Physical Education Director & organizing Secretary, Mr. Muralidhar Sharma, Mr. Gangadhar P, Physical Education Directors, Nitte Education Trust.
In the closing function, Dr. Niranjan N. Chiplunkar, Principal, NMAMIT, Nitte and Mr. John D’Silva, Chairman, John’s Sports & Cultural Academy, Karkala distributed the trophies and certificates to the winners & runners of the tournaments.

Results of VTU Inter Collegiate Mangaluru Zone Badminton men tournament 2017

1st place - NMAM Institute of Technology, Nitte
2nd place - SMV Inst. of Technology & Mgt., Bantakal
3rd place - Mangalore Institute of Technology & Engg., Moodabidri
4th place - Srinivas School of Engg., Mukka, Mangaluru.

Results of VTU Inter Collegiate Mangaluru Zone Badminton women tournament

1st place - Alva’s Institute of Technology & Mgt., Moodabidri
2nd place - Sahyadri College of Engineering & Management, Mangaluru
3rd place - Sri Devi Institute of Technology & Engg., Mangaluru
4th place - Mangalore Institute of Technology & Engg., Moodabidri

WINNERS IN MEN - NMAMIT BADMINTON MEN TEAM

Presidential Address - Dr. Niranjan N. Chiplunkar, Principal, NMAMIT, Nitte
Chief Guest Address - Mr. Roshan Lal Nehar, Chief Coach, Karnataka Badminton Association, Bengaluru
4. College Weight Lifting, Power Lifting & Best Physique Men team has secured Overall Championship for 13th time with 57 points (14 points in Weight Lifting, 30 points in Power Lifting and 13 points in Best Physique competition) in the VTU Inter Collegiate Single Zone competitions held at S. I. T., Tumkur from 15th to 17th September 2017

The details of the achievements are as below.

**Weight Lifting (Men)**

2. 69kg. Category - Mr. Ranjith Kumar Devadig - III Place - V Sem/E & C
3. 77kg. Category - Mr. Sohil S Anchan - I Place - V Sem/E & E
4. 105kg. Category - Mr. Noel D’Souza - II Place - III Sem/MBA
5. 105kg. Category - Mr. Vignesh Shenoy - III Place - VII Sem/Civil
6. +105kg Category - Mr. Vaibhav V Prabhu - III Place - V Sem/E & C

The team has won Championship in Weight Lifting with 14 points.

**Best Physique**

1. 65 kg. Category - Mr. Prithviraj P Hegde - I Place - V Sem/Mech. Engg.
3. 75kg. Category - Mr. Sohil S Anchan - II Place - V Sem/E & E
4. 75kg. Category - Mr. Nihal Kumar Kadri - III Place - III Sem/MBA

Mr. Pruthviraj P. Hegde has won “Mr. VTU-2017” title.

The team has won Runner up title in Best Physique with 13 points.

**Power Lifting (Men)**

2. 59kg. Category - Mr. Shreesha K. - II Place - I Sem/H Sec.
3. 66kg. Category - Mr. Avinash K. - I Place - III Sem/MBA
4. 66kg. Category - Mr. Arjun P. Gonkar - II Place - III Sem/CSE
5. 77kg. Category - Mr. Sohil S. Anchan - I Place - V Sem/E&E
6. 83kg. Category - Mr. Kevin Varughese - II Place - VII Sem/MEC
7. 105kg. Category - Mr. Noel D’Souza - II Place - III Sem/MBA
8. +120kg Category - Mr. Vaibhav V. Prabhu - II Place - V Sem/E&C

Mr. Vivek Kamath has created new meet record in Bench Press event with 120 kgs.

Mr. Avinash has equalled the meet record in Squat and Bench Press with 170 kgs and 110 kgs. respectively.

Mr. Sohil Anchan has created new meet record in Bench Press with 122 kgs.

Mr. Vivek Kamath has won “Strong Man” title.

The team has won the Championship in Power Lifting with 30 points.

The men team has won Over All Championship with 57 points for 13th time.

College Power Lifting women team won the Runner up title with 13 points in the VTU Inter Collegiate Power Lifting competition conducted by SIT, Tumkur from 15th to 17th September 2017.
Power Lifting (Women)

1. 57kg. Category - Ms. Rani C. R - II Place - VII Sem/E&E
2. 63kg. Category - Ms. Sheethi Mathew - I Place - VII Sem/Civil
3. 84kg. Category - Ms. Deepashree P. Amin - I Place - III Sem/MBA

Ms. Sheethi Mathew has created new meet record in Squat, Bench Press, Dead lift and total with 115 kgs., 55 kgs., 122 kgs. and 292 kgs. respectively.

The team has won Runner up title in Power Lifting with 13 points.

WEIGHT LIFTING, POWER LIFTING (MEN & WOMEN) & BEST PHYSIQUE (MEN) TEAM

5. College Yogasana Women team has won the VTU Inter Collegiate Yogasana Women competitions organized by R.L. Jalappa Institute of Technology, Doddaballapura on 20\textsuperscript{th} & 21\textsuperscript{st} September 2017. The team consists of Ms. Keerthi, VII Sem, ECE, Ms. Sadhana, V Sem, ISE, Ms. Shusumna G S, V Sem, ECE, Ms. Chit bashri Kariya Gond, V Sem, Civil, Ms. Divyashree, III Sem, MBA, Ms. Nidhi V. Nonda, I Sem, CSE

6. College Yogasana Men team won 4\textsuperscript{th} position in the VTU Inter Collegiate Yogasana men competitions organized by R.L. Jalappa Institute of Technology, Doddaballapura on 20\textsuperscript{th} & 21\textsuperscript{st} September 2017.

7. College Throw Ball women team won 4\textsuperscript{th} position in the Visvesvaraya Technological University Inter Collegiate Mangalore Zone Throw Ball Women competitions conducted at Sahyadri College of Engineering & Management, Mangaluru on 4\textsuperscript{th} October 2017.

8. Mr. Kumaraswamy T., II M.Tech/Civil - Power Lifter, Mr. Deepu T. M, 1\textsuperscript{st} M.Tech., Cross Country runner and Mr. Sudheer S. Kotian, VII Sem/Civil - Cross Country runner and Ms. Ashwija Shetty, VII sem EC – Soft Ball player and our alumni 2017 students Ms. Lavanya B.P., Basket Ball player. Ms. Rakshith K.G. and
Mr. Harshavardhan K., Cross Country Runner have participated in VTU Sports felicitation programme conducted by VTU Belagavi on 26th September 2017.

9. Ms. Keerthi, VII Sem, EC has represented VTU Yogasana team and participated in the All India Inter University Yogasana competitions conducted from 1st to 4th October 2017 by KITT University, Bhubaneswar (Odisha).

10. College Wrestling men team won Runner Up Trophy and Judo women team won the 2nd Runner Up Trophy in the VTU Inter Colligate Wrestling competitions conducted from 9th & 10th October 2017 by PES College of Engineering, Mandya.

### Wrestling -Men Team
- 57 kg. Category: Mr. Nashal Ahmed, III Sem Mech - III Place
- 61 kg. Category: Mr. Vinyas Shetty, III Sem E & C - II Place
- 65 kg. Category: Mr. Deepak, III Sem M.Tech - II Place
- 74 kg. Category: Mr. Mithun, VI Sem Civil - III Place
- 86 kg. Category: Mr. Kevin Varughese, VII Sem Mech - II Place
- 97 kg. Category: Mr. Dhanush D Shetty, V Sem Mech - III Place
- 97 kg. Category: Mr. Noel D’Souza, III Sem MBA - III Place

*The team has won Runner up title with 13 points.*

### Judo Men Team
- 56 kg. Category : Mr. Nashal Ahmed, III Sem Mech - III Place
- +100kg. Category : Mr. Noel D’Souza, III Sem MBA - III Place

### Wrestling – Women Team
- 53 kg. Category: Ms. Sahana M., III Sem IS - I Place
- 57 kg. Category: Ms. Vaz Joelin Francisca, I Sem BT - II Place

### Judo – Women Team
- 52 kg. Category: Ms. Sahana M., III Sem IS - II Place
- 57 kg. Category: Ms. Rani C. R., VI Sem E&E - II Place
- 70 kg. Category: Ms. Shivangee, III Sem IS - II Place

11. Ms. Kavya Vogle, VII Sem, IS and Ms. Tripti, I Sem, E&E, represented VTU Volley Ball Women team and participated in the South Zone Inter University Volley Ball Men competitions conducted from 15th to 22nd October 2017, Kannur University, Kannur.

12. Ms. Shreyas B.S. III Sem, E & C has represented VTU Chess men team and participated in the All India Inter University Chess competitions conducted from 19th to 22nd October 2017 by Anna University, Chennai.

13. Mr. Deepu T M, I M.Tech, Mr. Manjunatha Veerappa Bandivada-VII Sem/Civil & Ms. Trisha D’Souza, III Sem/EEE, represented VTU Cross Country team and participated in the All India Inter University Cross Country competitions conducted by VTU, Balagavi on 29th and 30th October 2017.

14. The following students of our college secured the medals in the Karnataka State Junior & Sub Junior (men & women) Power Lifting competitions conducted at Kinnigoli from 3rd to 5th November 2017.
Men Team
1. 53 kg. Category : Mr. Vivek Kamath K. - I Place
2. 120 kg. Above Category : Mr. Vaibhav V. Prabhu - III Place

Women Team
3. 63 kg. Category : Ms. Sheethi Mathew - II place

15. College Athletic Men and women team members have won the medals in the VTU Inter Colligate Single Zone Athletic competitions held at VTU Campus, Belagavi from 3rd to 6th November 2017.

1. Mr. Deepu T. M – I Sem M.Tech
   (i) Gold Medal in Half Marathon
   (ii) Gold Medal in 5,000 mts. run
   (iii) Gold Medal in 10,000 mts. run

2. Ms. Trisha D’Souza – III Sem E & E
   (i) Gold Medal in 800 mts. run
   (ii) Silver Medal in 4 x 100 mts. run

   (i) Silver Medal in 5,000 mts. run
   (ii) Silver Medal in 10,000 mts. run
   (iii) Silver Medal in Half Marathon
   (iv) Bronze Medal in 4 x 400 mts. relay

4. Mr. Vignesh Shenoy – VII Sem Civil
   (i) Gold Medal in Shot put

5. Mr. Mohd. Ayyad – III Sem M.Tech
   (i) Silver Medal in Hammer Throw

6. Mr. Vinutha G. Palan – III Sem E & E
   (i) Silver Medal in 200 mts.
   (ii) Silver Medal in 4 x 100 mts. relay

7. Ms. Vaishnavi – VII Sem E & C
   (i) Silver Medal in Hammer Throw

   (i) Silver Medal in 4 x 100 mts. relay
   (ii) Bronze Medal in Heptathlon

9. Ms. Freni Reyona M – III Sem MBA
   (i) Silver Medal in 4 x 100 mts. relay

10. Ms. Sowmya S. M. – VII Sem BT
    (i) Bronze Medal in 4 x 400 mts. relay

11. Ms. Divya – III Sem MBA
    (i) Bronze Medal in 4 x 400 mts. relay

12. Ms. Shreya Shetty – VII Sem CSE
    (i) Bronze Medal in 4 x 400 mts. relay

Total medal won by Athletic Team – 21 Medals (Gold - 06, Silver - 10 Bronze – 05)
The Athletic Teams also secured the Trophies in
(i) Best of March Past Trophy (161 VTU Affiliated College teams took participated)
(ii) Overall 2nd Runner Up
(iii) Women team 2nd Runner Up
(iv) Men team secured 4th position

Mr. Deepu T.M, Ms. Trisha D’Souza, Mr. Vignesh Shenoy & Ms. Vinutha (Members of Athletics Team) got selected to participate in All India Inter University Athletic Championship to be held at Guntur, A.P., in the month of December last week.

16. Ms. Vibha C.E., III Sem, BT has represented VTU Judo women team and participated in the All India Inter University Judo competitions conducted from 5th to 7th November 2017 by Tilak Maharashtra University, Pune.

17. Mr. Suvin R. Shetty, III Sem, Mech., has secured bronze medal under 68 Kg. Category in the VTU Inter Collegiate Taekwondo competitions conducted on 9th & 10th November 2017 by Vemana Institute of Technology, Bengaluru.

18. College Women Throw Ball Team secured Runner up trophy in State Level Staff Tournament in connection with Diamond Jubilee Celebration conducted by Manipal Institute of Technology, Manipal on 5th November 2017.
The department of counselling, welfare, training and placement works towards the holistic growth of the students beginning from the day they enter NMAMIT and provides an exposure to the faculty to enable a harmonious blend of academics with understanding. Students and staff are seen individually in counselling to deal with their areas of dysfunction and distress to bring about a metamorphosis to turn them into caring competent helpers simultaneously. Under privileged students are given special attention and no stone is left unturned to work towards their success. Erring students are dealt with seriously and provided an opportunity to turn over a new leaf, by providing guided avenues for community service. Placement is just one of the many objectives of Abhyuday.

A. PLACEMENT & TRAINING ACTIVITIES OF ABHYUDAY:

a) OFFERS IN 2016-17: 59 companies made 784 offers & provided paid internships to 5 students.

b) Branchwise Recruitment in 2016-17

<table>
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<th>Branch</th>
<th>Total Number Recruited</th>
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<td>Civil</td>
<td>30 (+1 for internship)</td>
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<tr>
<td>Mechanical</td>
<td>99</td>
</tr>
<tr>
<td>E&amp;E</td>
<td>47</td>
</tr>
<tr>
<td>E&amp;C</td>
<td>251 (+1 internship)</td>
</tr>
<tr>
<td>Computer Science</td>
<td>260 (+3 internship)</td>
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<tr>
<td>Information Science</td>
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<td>Biotechnology</td>
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<th>Branch</th>
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<tbody>
<tr>
<td>MCA</td>
<td>15</td>
</tr>
<tr>
<td>M.Tech. - CCT</td>
<td>01</td>
</tr>
<tr>
<td>M.Tech. - VLSI</td>
<td>02</td>
</tr>
<tr>
<td>M.Tech. - CS</td>
<td>03</td>
</tr>
<tr>
<td>M.Tech. - PE</td>
<td>01</td>
</tr>
<tr>
<td>M.Tech. - SE</td>
<td>01</td>
</tr>
<tr>
<td>Total</td>
<td>784 + 5 internship</td>
</tr>
</tbody>
</table>

c) Campus Placements in 2017-18: 24 companies have selected 560.

d) Company recruitment:

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Company Name</th>
<th>No. of positions offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Nutanix Technologies</td>
<td>-</td>
</tr>
<tr>
<td>2</td>
<td>VMWare</td>
<td>04</td>
</tr>
<tr>
<td>3</td>
<td>Informatica</td>
<td>03 (+2 for Internship)</td>
</tr>
<tr>
<td>4</td>
<td>Accolite Software India</td>
<td>-</td>
</tr>
<tr>
<td>5</td>
<td>99 Games Online Private Limited</td>
<td>09</td>
</tr>
<tr>
<td>6</td>
<td>Analytics Quotient</td>
<td>05</td>
</tr>
<tr>
<td>7</td>
<td>Ymedia Labs</td>
<td>09</td>
</tr>
<tr>
<td>8</td>
<td>L&amp;T Technologies</td>
<td>27</td>
</tr>
<tr>
<td>9</td>
<td>BRIDGEi2i</td>
<td>04</td>
</tr>
<tr>
<td>10</td>
<td>Robert Bosch</td>
<td>20</td>
</tr>
</tbody>
</table>
### e) Recruitment in engineering branches in 2017-18:

<table>
<thead>
<tr>
<th>Branch</th>
<th>Total Number Recruited</th>
</tr>
</thead>
<tbody>
<tr>
<td>Civil</td>
<td>12</td>
</tr>
<tr>
<td>Mechanical</td>
<td>41</td>
</tr>
<tr>
<td>E&amp;E</td>
<td>24</td>
</tr>
<tr>
<td>E&amp;C</td>
<td>156</td>
</tr>
<tr>
<td>Computer Science</td>
<td>246 (+5 for internship)</td>
</tr>
<tr>
<td>Information Science</td>
<td>57 (+1 for internship)</td>
</tr>
<tr>
<td>Biotechnology</td>
<td>09</td>
</tr>
<tr>
<td>MCA</td>
<td>14 (+3 for Internship)</td>
</tr>
<tr>
<td>M.Tech. - CCT</td>
<td></td>
</tr>
<tr>
<td>M.Tech. - VLSI</td>
<td></td>
</tr>
<tr>
<td>M.Tech. - CS</td>
<td></td>
</tr>
<tr>
<td>M.Tech. - PE</td>
<td>01</td>
</tr>
<tr>
<td>M.Tech. - SE</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>560 (+9 for internship)</td>
</tr>
</tbody>
</table>

### f) INDUSTRIAL EXPOSURE FACILITATED BY ABHYUDAY:

A total of 144 2nd & 3rd year students have undergone industrial training during vacations in Mid 2017.

### g) CRACK THE CAMPUS FOR THE 2018 BATCH:

Senior campus recruited students train pre final years in CTC. Under the leadership of Srajan Rai and Sai Kiran Rai, the CTC, 2017 ran successfully with the active involvement of a cohesive team of 54 student volunteers who shouldered the responsibility of orienting all Pre final year BEs and MCAs over five sessions in online tests. They clarified doubts, besides.

### h) Crack the Campus for the 2019 batch:

Volunteering has been sought & interested students met regarding conduct of Crack the Campus - 2019. Plans have been outlined.

### i) MEETING WITH KPIT TEAM - 2nd JUNE, 2017:

Towards academic collaboration to introduce industry electives & internship programs at NMAMIT.
j) Address by Highway Delite a tourism start up on providing internship and opportunities for Entrepreneurship - 6th June 2017

k) PRESENCE AT CORPORATES’ ORGANISED MEETS: Mr. Bharath G. Kumar attended the Placement officers’ meet organized by Accenture on 8th & 9th June 2017; HPE on 17th July 2017; Wipro on 24th July, 2017 in Bangalore to stay in touch with the changing trends of IT and education.

l) ESTABLISHING SYNERGY WITH INDUSTRIES by Visit to industries in Bangalore -10th to 14th July 2017 to strengthen bonds and open new accounts:

Mr. Bharath Kumar along with colleague, Mr. Roshan Fernandes, our technical arm from CSE, visited industries in Bangalore and met with 20 industries to explore recruitment/internship opportunities; meet with alumni and strengthen bonds that may pave way for other possible industry-institute interactions.

m) FIRST ANNUAL ADDRESS OF FINAL YEARS BY AHYUDAY ON EMPLOYMENT PERSPECTIVE : 7th August 2017:

Team Abhyuday addressed all the final year students of BE, MCA and M.Tech, numbering 1000 on 7th August 2017 for close to two hours in Sadananda. Prof. Shalini K. Sharma addressed them on adequate preparation, professionalism, healthy attitude, studying a company thoroughly; preparing separate resumes each time highlighting features that would make them attractive to an organisation, and stressed on the need for a code of ethics. The Principal, Dr. Niranjan N. Chiplunkar urged the students to get more placements than earlier by active preparation. He stressed on the importance of obligation to work with the organization, once recruited by a dream/core company. Mr. Bharath G. Kumar spoke about the rules and regulations relating to placements. Mr. Roshan Fernandes, Assoc. Prof. CS spoke on technical aspects. Mr. Melwyn from Mechanical Engineering specifically urged the mechanical engineering students not to ignore the IT jobs and to work on improving their competencies towards getting into core companies. The Placement talk ended with a QA session. Vice Principals, Placement coordinators and HoDs were present.

n) REMEDIAL PROGRAMMES FOR NON PLACED, NON IT students: ‘C’ Programming Classes: September 2017:

i. A Crash course in ‘C’ Programming for final year non-IT students (EE, EC, Mechanical engineering students) was taken up by the Faculty of CS & IS under the leadership of Mr. Roshan Fernandes.

First session on 13th September 2017 for E&E and E&C had 17 participants. The second session on 16th September 2017 for E&E and E&C had 45.
ii. **October 2017:**

   **C++, C pointer and Data Structures classes for non-placed students:**
   - 28th October 2017 – 9.00 am to 12.30 pm - C++ Classes conducted by Mr. Ramesh Shettigar.
   - 28th October 2017 – 1.30 pm to 4.00 pm - Classes on C pointer and Data Structures was conducted by Mr. Roshan Fernandes.

iii. Mr. Neeraj Tiwari, Engagement Manager from FACE conducted a programme for MCA on 3rd October 2017 for 5.5 hours. 110 students attended the programme.

iv. **General Aptitude - 8th & 9th November 2017** – Mr. Shashank Shetty from final year CS coordinated the General Aptitude test for non-placed students. 40 students were present.

v. **10th November 2017 – Training programme by Global Talent Track** Ms. S. Ponnammal, Trainer from Global Talent Track conducted Training programme for non-placed students on Personality Development, Interview Skills like Resume ‘writing, Group Discussion and Face to face interview. 190 students participated programme.

   Feedback of all the training programmes have been good.

vi. **Assistance in English for non placed with collaboration of Humanities department:**

   A meeting with students needing assistance in English was held on 31st October 2017 to identify their specific needs. The Humanities department has planned to conduct a 3 day’s workshop to train final year non-placed students on 14th, 15th and 16th December 2017. This includes Interactive participatory exercises and lab work aiming at experiential learning.

o) **ONLINE ASSESSMENTS to provide exposure to students just before placements:**

   i) **Freshers world Campus Assessment 2017 – 5th August 2017:**
   1010 UG & MCA students of the final year answered an online test as preparation for recruitments.

   ii) **FACE facilitated online test** was conducted for 1024 final year students of UG and PG from 16th to 17th of September, 2017 with a feedback that our students have performed well.

p) **Infosys Pre placement Talk and a short placement workshop - 18th August 2017:** About 700 final year students were present.

q) **99 Games Pre placement talk for pre-final year students - 29th August 2017** for 1 hour – Pre-final year Computer Science and Information Science students were present.
B. EXPOSURE TO HIGHER STUDIES TO PURSUE M. TECH/MS/ MBA
courtesy: TIME

22nd August 2017: Seminar on GRE/GMAT/IBPS Examination followed by Scholarship test by Mr. Ganesh Hebbar, TIME. 130 students from final and pre-final years were present.

4th September 2017: Orientation on IBPS Examination by Mr. Arun Gundmi, Regional Manager, TIME. 61 students from Civil Engineering attended the programme. Around 100 students from MCA attended the programme.

GRE classes by TIME – 12 registered for GRE coaching programme by TIME. The classes have begun from 16th September 2017.

ii) Giles Brooker Education Kiosk - 7th & 8th November 2017:
Mr. Naveen Nayak, Consultant from Giles Brooker Education guided the students who wish to pursue higher education in prestigious Universities of New Zealand/Singapore on 7th and 8th November 2017.

They will also facilitate internships for interested NMAMIT students in New Zealand.

r) 10th November 2017 - Texas Instruments DRISHTI Open Book Online Contest for 3rd year EE, EC, CS & IS students.

C. TRAINING OF TEACHERS IN HIGHER EDUCATION THROUGH A FOUR DAY WORKSHOP TO BE ABLE TO HELP OUR ADOLESCENTS BETTER:
The 7th edition on ‘Understanding Adolescent issues and introduction to Therapeutic Counselling for teachers in Higher Education’ was held from 23rd to 26th May 2017:

35 faculty members - 9 from colleges outside; 6 from sister institutions and 20 from NMAMIT itself were the active participants, eager to share and learn in the 7th edition of our four day workshop. Post training assessment showed enhancement of learning significantly after the four days. It tested them on their attitude, awareness and knowledge about mental health issues, student psychology, mental illnesses and their understanding of counseling. Dr. CR Chandrashekhar, former HoD, Dept. of Psychiatry, NIMHANS, an untiring writer and mental health educator in his key note address, spoke on Growth and developmental issues in adolescence, Intellectual growth, thinking processes, learning, IQ, SQ and EQ and urged the teachers to help the youngsters under their care with the right habits and values to develop a healthy personality. Dr. Sharada G. Prabhu compered the inaugural programme and Mr. Bharath G. Kumar proposed the vote of thanks. The Resource Persons for the four days were Dr. CR Chandrashekhar, Dr. PV Bhandary, Dr. Annie John (Head of counselling services at Aditi International school, Blore) and Prof. Shalini K. Sharma alternating with each of the outside resources on the four days. At the Valedictory ceremony held on the 26th May, 2017 at 4 PM, SKS spoke on the happiness and gratitude she feels on completing the 7th four day’ workshop successfully and expressed her gratitude to all who helped out generously. She lauded the active...
participation of the faculty and voiced her belief in Ubuntu (‘one for all and all for one’). The delegates and the
volunteers were honoured with certificates. The delegates appreciated the impeccable planning, the excellent
role of volunteers, the facilities, how everything planned was executed and the learning they were taking back.
Dr. Niranjan N. Chiplunkar spoke about how we value the volunteerism of our students as a best practice and
his happiness at successfully offering the 7th edition of the workshop to the teaching fraternity. Dr. Subramanya
Bhat rendered the vote of thanks. The programme ended with the National Anthem. A video of the 4 day
workshop by Shreyank Alva, a Clicz member and a few selfies followed.

Assistance of the organising team is deeply appreciated. Co convenors - Bharath Kumar, Dr. Sharada G.
Prabhu, Roshan Fernandes, Dr. Subramanya Bhat (Dean, Student welfare) and Departmental staff – Shobha,
Anusha, Subhash ensured seamless flow of services & activities from beginning to end. Roles of the 8 student
volunteers has been invaluable (Jane C. Mathias, Shwetha Rao, Joshil M. Saldanha, Deon F. D’Souza, Abhishek
J. Naik, Niveditha & Gayathri demonstrated adolescent—teacher behaviours effectively; played counsellor roles convincingly and Shreyank Alva as photographer worked in harmony). The volunteers displayed remarkable
courtesy and efficiency from the time of registration to evoke a comment from the participants as to whether all
NMAMITians are like this!! We are grateful to Jaya, the caretaker of Shambhavi; the hospitality of the guest
house staff, the canteen services and the transport system of NMAMIT. The Principal’s encouragement, the
hods’ co operation, heads of institutions’ responsiveness made the 7th edition of the Therapeutic counseling
workshop very successful. Shri N.V. Hegde, President of the Trust deserves a special mention for his courtesy
and active involvement of urging the sister institutions to participate by specially writing to them all.

D. TRAINING OF STUDENTS IN LEADERSHIP BY ABHYUDAY

a) Training of Volunteers for the Fresher’ Orientation Programme - Making compassionate leadership in
NMAMIT:

90 students were trained to be volunteers from the 24th to 31st of July 2017 for the Fresher’
orientation Programme this year. Initially, 16 senior volunteers including two graduates of 2017
batch, Mr. Bhuvan and Mr. Akshay Kudva were oriented to be scrupulous good samaritans and disciplined volunteers by Prof. Shalini K. Sharma
from 16th to 19th July 2017. Special inputs on Self awareness, Etiquette, the relevance of FOP and a quiz
were conducted for the volunteers so that they would be role models for the rest. Chieftain for the programme
was Mr. Vaibhav D’Souza of Final year Mechanical Engineering who along with the other two graduates,
AKSHAY & BHUVAN took on the leadership and trained the trainers.

E. FRESHER’ORIENTATAION PROGRAMME 2017 on 3rd AUGUST, 2017

880 freshers as one large group, were welcomed to NMAMIT on 3rd August 2017 through a carefully designed
and planned, activity based Orientation programme with the help of 93 senior students. Ms. Sumana Rao, an
alumna joined us. FOP serves the purpose of making the freshers comfortable, provides them anticipatory
guidance, brings about healthy camaraderie between seniors and juniors and prepares ground for healthy
harmonious, purposeful life on campus.
Mr. Bharath G. Kumar took charge of infrastructural arrangements, refreshments and lunch aspects. The office staff worked consistently well before the event in getting training materials organised. Dr. Sharada G. Prabhu was an integral part of the programme. The folder was designed by Mr. Akshay Kudva, CS graduate of 2017 batch.

The zonal leaders who have actively assisted were Merlyn, Sonali, Jane, Pranam, Suhrith, Mahathi, Sushruthi, Vishbhav, Swathi and Manpreeth Shetty. Ronisha, Nikhl, Shravya, Suhan, Akshay Kudva and Bhuvan assisted centrally. Mr. Rahul and Divith assisted in photography. We are grateful to all who have helped in conducting the FOP smoothly.

F. MISSION PRERANA FOR CHANGE by ABHYUDAY - a Wednesday afternoon activity for the PHYSICS Cycle began on 9th August 2017. Eleven sessions have been held.

For 541 students of ‘H’ to ‘N’ sections in groups of 21 from 9.8.2017 to 8.11.2017 with the assistance of 14 faculty members and 37 student volunteers for this semester. Vision and Mission of Abhyuday, Employer Expectations, Professionalism, Critical Thinking, Debates, Display of Inspirational audios, songs, videos to generate thinking, compassion, learning and character building, Career Planning, Lateral Thinking, Problem Solving, A little about alcohol, LGBTQIA are some of the activities conducted. The students have had exposure to the lives of Late Major Dhyan chand, Swami Vivekananda and Sir M. Visvesvaraya in these sessions.

G. ALUMNI LECTURE INTERACTION SERIES:

Our regular communication with Alumni and synergistic collaboration with WENAMITAA (Professor in charge, Dr. Sharada G. Prabhu) through the FB page by posting pictures and information on visiting alumni and activities got them to exclaim, ‘What a vibrant page!!’

On the 19th August 2017, Ms. Seema Nair, Senior Development Lead, QSG Technologies, spoke to the third and final year CSE students on “A sneak peek into IT industry”

A 2 hour technical session for the benefit of third year and final year Computer Science and Engineering students, it had 180 students attending. It included topics like Recent Client side technologies; Recent Server side technologies; SQL vs NoSQL; Software testing tools – Web automation, Mobile automation, Back end testing, White box testing, Loadtesting, Testing framework, Security testing; Technical interview tips; Testing vs Development job profile description.
Ms. Seema Nair conducted a full day workshop on 16th September, 2017 on **WEB AUTOMATION TOOLS** for the Final and pre final year students of CS, IS. 70 students were present. The event was coordinated by Mr. Bharath Kumar, Executive Placements, along with Mr. Roshan Fernandes, Associate Professor, Dept. of CSE, NMAMIT, Nitte. The students gave a very good feedback on the session and there was an encore and Ms. Seema has returned to conduct yet another technical session.

**H. ACTIVE STUDENT CLUBS AT NMAMIT:** Crack the Campus; Clicz for Photography; Kalanjali for dance; Aura & Hands of Hope for helping the needy; Annadana for distribution of food; Aura & Hands of Hope for reaching out to the needy; SACA for soft skill development; Grey Matter for quiz; Stereo Club for music; Taaleem for acting; Silver Screen for movies; Rachna for art; ‘Yuj for Life’ for Good Health – and Pride Abhyuday. Special mention needs to be made of Yoga - Yuj for life which has been very disciplined and effective in running several programmed sessions in hostels and college to improve student/staff well being.

All the clubs have submitted their proposals/plans for the academic year 2017-18 and Dr. Subramanya Bhat, Dean, Student Welfare joins hands synergistically with us.

**I. YOGA FOR NON-TEACHING STAFF DURING VACATIONS:**

In June - July 2017, we conducted Yoga classes for interested non teaching staff of NMAMIT with two trainers from the placement department, Ms. Anusha in the lead with Ms. Sunitha assisting her. Classes were held on Mondays, Wednesdays and Fridays at 11.30 AM for 30-45 minutes. International day of Yoga was also celebrated by the group along with the students of Yuj for Life.

**J. EXTENSION OF SERVICES by Prof. Shalini K. Sharma:**

1. Conducted a workshop for 35 rural High School kids on 3rd May, 2017, on ‘**Being happy and living in harmony**’ as a part of Technological Barrier Reduction Program sponsored by Zebra Technologies, at Dr. Manjunath’s request.

2. One day workshop on “**Handling stress at Work place**” for police officials who are working in Anti Naxalite Squad Team in Karnataka at MIT, Manipal on 8th May 2017. 150 police officials from different parts of Karnataka participated in this workshop.

3. A moderator at ‘**Industry Connect**’ on 13th May, 2017 on the topic, ‘**Industry Expectations**’ in NMAMIT.

4. **Panelist** at School of Social Work, Roshni Nilaya twice on 31st May 2017 and 17th June, 2017 at the UGC sponsored **Training in Counselling for College Teachers** from 11.30 to 1.45 PM.

5. **Chief Guest and invited speaker** at St. Aloysius Pre-University college - Hostel and PG students orientation programme on 9th June 2017.
6. **Chief Guest** who Inaugurated the Freshers’ orientation programme and **invited speaker** on topic **Adolescent Psychology** (90 minutes) on 19th June 2017 at Dr. NSAMFGC at their 3 days’ orientation programme.

7. **Chief Guest and invited speaker** on ‘Enhancing employability’ at MIT at the Orientation Programme for MCA students.

**K. CREATIVE MINDS FOUNDATION SCHOLARSHIP FOR DESERVING STUDENTS:**
Abhyuday identified five students of the first year for financial assistance from the first year through a series of processes and all five were disbursed scholarships which would continue during their engineering education in NMAMIT. Mr. Sunil Ballal, entrepreneur, alumnus, NIE was present on September 11, 2017 to interact with the students.

![Image of group of people]

**L. PREVENTION OF SEXUAL HARASSMENT** (ProSH) committee is headed by Prof. Shalini K. Sharma and has the following members with faculty, non-faculty, and student representation. Dr. Veena BK (Principal, FGC), Dr. Sharada G. Prabhu (Physics), Mr. Bharath G. Kumar (Placements), Dr. Veena (EC); Dr. Karuna Pandith (MCA), Ms. SharadaU. Shenoy (CS), Ms. Suneetha Shetty (Admin); Dr. Subrahmany Bhat (Mech); Students: Vaibhav D’Souza, Mech; Shweta Rao (IS), Jason D’Souza (EC)

The committee met on 14th and 21st September, 2017.

We request that all students and staff are made aware of NMAMIT’s commitment to make it a safe place for all and to report harassment if any, anywhere without fear. A box is placed outside the placement office where complaints can be dropped to help the troubled.

*Abhyuday joyously wishes everyone UBUNTU always,*
*a Merry Christmas & a very happy and happening year 2018!*
Seminar, expo of Student Project Programme at NMAM from today

MANGALURU, DHNS: Karnataka State Council for Science and Technology and NMAM Institute of Technology will conduct the second installment of Student Project Programme on the college premises in Nitte, Karthakabail, on August 11 and 12.

NMAMIT Principal Dr Nitin Manjunath N Chiplunkar said on Thursday that the programme is the 98th in the series of seminars and Exhibition of Student Project Programme.

The inaugural programme will be held on August 11 at 3 pm. Youth Empowerment, Sports and Fisheries Minister Framroze Maddurwar will be the chief guest. Nitte Education Trust trustee N Vishal Hande will be the chief mentor.

The programme will be held in collaboration with NITTE Education Trust and NMAM Institute of Technology. The programme will have student presentations and seminars on various topics related to science and technology. The programme aims to provide a platform for students to showcase their projects and ideas.

The programme will be attended by students, faculty members, and guests from various institutions. The programme will also have stalls set up by various departments and organizations, providing an opportunity for students to explore different fields of science and technology.

The programme will conclude on August 12 with a valedictory ceremony.