

College Annual Report 2013-14



**Dr.Niranjan N.Chiplunkar,
Principal**

Dear Readers,

I am pleased to place before you the Annual College report for the year 2013-14. As compared to previous years, this year was an year of consolidation for us. We have seen progress on the Research front and Industry Institute Interaction. There was a whole lot of new infrastructure that was built during the year.

During 2013-14, we continued with an annual intake of 1008 including 840 normal intake, 5% SNQ quota seats and 15% NRI quota seats, under seven different branches of Engineering at undergraduate BE level. Apart from this, 132 students were admitted to second year BE under lateral entry scheme. Seven full time autonomous M.Tech. programs, one M.Tech. program under VTU PG centre, two part time M.Tech. programs, MCA and MBA programs put together have another 505 students who joined the Institute at Post graduate level. At present, 48 research scholars are pursuing their part time Ph.D. under 10 different departments. 2 full time Ph.D. scholars and one Post Doctoral Research fellow from Nigeria have also enrolled for their research work. Out of the total students, about 45 to 50% are staying in the college Hostels. The total faculty strength of the college is 254 and non-teaching staff strength is 430. During the current year, we bifurcated the Department of Mathematics and Humanities and started a new Department of Humanities with faculty strength of five. A Full time Professor to look after all M.Tech. programs as a PG coordinator was appointed. The college got the status of NBA Nodal centre and has been conducting training programs on new outcome

based accreditation in the college and all its designated training centres in this part of Karnataka.

On the infrastructural side, 2 more floors in the new academic block with a total floor area of about 28000sq.ft. was made available. One more floor above the EDC block was constructed with an area of about 6000sq.ft. The resident engineer's office has been shifted to the first floor of canteen building thereby providing additional space for the college canteen. One new PG boys Hostel block with a capacity of 250, a new PG ladies hostel with an equal capacity and a four floor Dining and Mess block are also constructed. A new auditorium called SADANANDA with a seating capacity of 4000 has been constructed during the current academic year with a total expenditure of about Rs.1.6crores. On the Sports and Games front, a Fitness Centre at the new playground has been made ready by furnishing it with fitness equipment for warm up exercise. A 3000sq.ft Gymnasium building is constructed and is now ready for use with state of the art Gymnasium equipment, worth about Rs.40lakhs. Two new laboratories ie., CNC machine laboratory and an E&C training laboratory have been being set up in the ground floor of EDC block at a cost of Rs.25lakhs. Two new computer labs with 50 computers and 2 Servers have been established in the first floor of new EDC building. One of these computer laboratories will be used as a Microsoft Innovation centre and the other will be used for regular training purposes and as an incubation centre.

On the research front, the Institute started the practice of giving Research incentives to the very active and contributing faculty researchers. Institution of Best researcher award, continuation of publication of NMAMIT Annual Research Journal, Conduction of Annual research conclave, establishment of Micromachining Centre of Excellence are some of the other highlights on this front. During 2013-14 alone, the college received a research funding of about Rs.1crore from different funding agencies like DST, AICTE, DBT etc..

Under Industry Institute Interaction (I-I-I)activities, the Institute signed up with IBM to offer specialized subject training to the students of BE(CSE). About ten subjects each under the specializations of "Cloud computing" and "Business Analytics" are being offered to the students as credit based subjects over four years of their study. The Management is spending about Rs.50lakhs per year from its own funds towards this

initiative apart from Rs.10lakhs per year as a contribution from the students. The college has signed up with Microsoft as a Platinum level member under Microsoft Ed-vantage program. 9 students after clearing MCP certification exams are now eligible for Microsoft placement and about 15 students who have cleared MOS and MTA certification exams of Microsoft are eligible for Microsoft internships. About 20 faculty members have been certified as Microsoft certified Educators. Through this initiative, the Microsoft Innovation Centre is established in the college. Through this centre, Microsoft specific trainings and App developments will take place here afterwards. Intel has provided second installment of grants to further strengthen, the Intel Embedded Lab. Under the department of MCA, new software development centres of TTH Ahmedabad and TechVerve Solutions Bangalore have been setup where students are made to work on real time projects of the company under the direct supervision of company people. Apart from all these new I-I-I initiatives, our ongoing interactions with Infosys, EMC, WIPRO,HP, Spaninfotech and Robosoft are continuing, helping the students to get Industry relevant inputs.

These days, parents normally admit their wards to the college, where they find good placement track record. Our college has been doing well in this aspect. During the current year 429 job offers have been obtained by our students by 44 companies. I congratulate all the students who have been placed this year and wish the remaining final year students all the very best. We are aware that apart from the regular technical inputs, students must also get trained in overall personality development and in this connection, the college has been conducting several useful programs. Through, I-Point consulting, the college provides soft skill training to all the BE students. This year we have extended this to all M.Tech. students as well. Apart from this, through our Placement department with the help from all the Department placement coordinators and student volunteers, college is giving additional inputs to the students to improve their employability.

The overall results in the semester end examinations is about 85% in UG and about 95% in PG. We are providing additional academic assistance to the students for improving their Proficiency in English and necessary extra inputs in some technical subjects to the needy students through special tutorial classes. Several Professional society student chapters like IEEE, CSI, IE(India), Condition Monitoring Society of

India and ISTE , student clubs like Kalanjali, Stereo club, Aeroclub, Robotics Cub, Photography club (ClickZ), literary club, Aura Club, Dhruva Club, Torana Club and SPICMACAY and Department associations like ACE, Elites, Ocean, Elecsa, Phoenix, SAMCA, AIMS and Oasis provide necessary platforms for the students to exhibit their talents. College is providing all the necessary support in running these associations and clubs. This year's Graduation Day is scheduled on 16th August 2014, where all outgoing students will receive the course completion certificates.

One of the notable achievements of the students this year is the participation in SAE BAJA All terrain vehicle design competition. About 22 students were part of the team and they designed and developed a vehicle, which got selected for the National level competition held at Indore. The Nitte Education Trust funded Rs.5lakhs for this project. The students also won prizes in "Boeing National Aero- modeling Challenge" held at IIT Mumbai during 7-9th Feb. 2014 and "Robotics design" held at Hyderabad and Chennai.

Another major achievement of this year is the recognition and the prize won by a Research project of the Department of Mechanical Engineering at the IMTEX -2014 exhibition held at Bangalore. Our Institute won the 5th prize, amongst 26 selected exhibits, which included leading IITs and research organizations.

Our institute is one among nine other Engineering colleges in the State of Karnataka to receive "New Age Incubation Network" facility from KBITS (Karnataka BT and IT Department's initiative) during this year. The college has received a grant approval for Rs.4 crores from TEQIP-II and Rs.3crores have already been received by the college. Through this, several postgraduate scholarships and research fellowships are being given along with financial support for a good number of faculty development programs and Conferences. The list of FDPs, workshops, training programs and Conferences conducted during the current academic year (May 2013 to July 2014) is as follows. A few more are being planned in the remaining days of July 2014.

1. National level workshop on Advances in Database Systems – 7th,8th June 2013
2. FDP on "Recent Advances in Machining" – 10th-15th June 2013
3. Workshop on "Advances in Hydrology and water resources engineering" – 01st-03rd July 2013
4. Workshop on "Recent Advances in CAD/CAM software" 22nd-27th July 2013

5. Two day FDP on “Advances in Communication and Signal Processing” -22nd and 23rd July 2013
6. Two day workshop on “Analog and Mixed Signal VLSI Design” on 29th and 30th July 2013
7. National level workshop on “Advanced Materials research for Device Applications” on 25th and 26th July 2013
8. Two day workshop on “Mathematical and Statistical Methods and Applications” on 5th and 6th December 2013
9. National Level Workshop on “Advanced Geospatial Mapping Techniques for Resource Planning and Management” from 11th Jan to 15th Jan 2014.
10. National Conference on “Multimedia and Information Security-(NCMIS-14)” on 25th and 26th Feb. 2014
11. Workshop on “Biomedical signal Processing and Instrumentation” on 6th and 7th March 2014
12. Two day workshop on “ABET Accreditation and Outcome Based Education” on 11th and 12th March 2014 – conducted by Prof. Omid Ansary and Dr.Sairam from Pennsylvania State University, Harrisburg, USA.
13. International Conference on “ Power electronics and Drives (ICOED-2014)” on 10th and 11th April 2014
14. FAER-Motorola Technology Barrier Reduction – summer camp for one month from 21nd April to 15th May 2014
15. International Conference on “Emerging Trends in Engineering (ICETE-2014)” on 15th, 16th and 17th May 2014
16. Four Day workshop on “Therapeutic Counselling for engineering Teachers” from 2nd to 5th June 2014
17. Three day workshop on “Recent Developments in Condition Monitoring and Maintenance of Machinery” on 5th, 6th and 7th June 2014
18. 5 days Short term Training Program on “Design and Simulation of MEMS devices” during 16th to 20th June 2014
19. One week Training and workshop on “Analytical Techniques” from 23rd to 28th June 2014

20. Two day National Workshop on “ Applied Nano Technology” on 3rd and 4th July 2014
21. Two days workshop on “Modern Trends in Chemical Research and their Applications” on 10th and 11th July 2014.

Through TEQIP-II funding, Dr. Shrinivasa Rao, Vice Principal & Controller of Examinations and Prof. A. Yogeesh Hegde, Registrar visited several Universities in Canada as a part of the delegation, which was a “Collaborative Study Visit of TEQIP Funded Institutions”. Dr. I. R. Mithanthaya was deputed to present his technical paper in Ottawa University, Toronto, Canada. Dr. Niranjan Chiplunkar, Principal visited to USA, to participate in the GEDC Conference at Chicago as well as visited Purdue University, Michigan State University and University of Milwaukee through the “Indo-US Collaboration for Engineering Education (IUCEE)”. Dr. Muralidhar, Professor in Mechanical engineering was deputed to Pennsylvania State University at Harrisburg, USA for research collaborations. Apart from these, through Management funds, Dr. Subramanya Bhat, HoD of Mechanical Engg., Dr. Ujwal and Dr. Vidya faculty from the Department of Biotech Engineering were deputed to Pennsylvania State University for about 20 days for research interactions. Two M.Tech students - one from Mechanical and one from Civil Engg. Department completed their M.Tech project work at Ritsumeikan University Japan, with 50-50 cost sharing basis between the college and the student. During May-June 2013, one biotechnology BE student was deputed to National University of Singapore for a month long internship. All these were possible due to the MoUs that the college has signed with these Universities.

During the current year, the college Alumni association “We-namitaa” has been registered. Every year we organize an Alumni meet and on August 15th of this year, we are going to organize a Global Alumni meet at Nitte.

The College Annual Sports day was held on 21st January 2014. College students have participated in several Sports and Games events and have won prizes at Zonal, University and Inter- University levels. Some of the noted achievers are:

1. Mr. Amarnath B.K. 2nd year student has participated in the Greenathon 2013, (Marathon race) organized by SRS Global Solution association with Deccan Herald & District Lions Club International 317-D. at Nehru Maidhan, Mangalore

2. The following students participated in All India and South Zone Inter University Cross Country competitions

1. Ms. Rakshith K.G. - 2nd year, B.T. – Athletics held at Kalyani University, West Bangal.

2. Mr. Sukshith Kumar, IV year Civil, Mr. Amarnath B.K., III year Civil, Ms. Rakshith K.G., II year B.T., and Ms. Soumya S.M.,- I year B.T., - In Cross Country held at Udaipur.

3. Mr. Sweekar Shetty, III year Civil - in Hand Ball held at Bharathidasan University, Tiruchirapalli

4. Mr. Sukshith Kumar, IV year Civil - in Wrestling competitions at Mirath.

5. Mr. Rahul MKV, IV year – in Basket Ball held at Kakinada

During the current year, our Cross country Women's team won the championship in VTU level and four athletes have been selected for the Inter University for the year 2015.

3. Yogasana Men's team bagged the Runners Up Trophy in the VTU Inter collegiate Yogasana Competition conducted at R.L.Jalappa Institute of Technology Doddaballapur on 30th and 31st August 2013.

4. Basket Ball Men's team won the Runners up Trophy in the James Naismith Professional Colleges Inter Collegiate Basket Ball Competitions held at Mangalore from

28th August to 1st September 2013. They also secured championship trophy in Udupi District Dasara Basket Ball competition.

5. Wrestling Men's team secured third place in VTU intercollegiate single zone wrestling competitions conducted at BNMIT from 7th to 9th October 2013

6. Weight Lifting, Power lifting and Best Physique Teams for the 9th time secured the Overall Championship Trophy in the VTU Inter Collegiate Single Zone Competitions held at Acharya Institute of Technology Bangalore from 10th to 12th October 2013.

Mr. Nithyananda, I Sem, MBA - and Mr. Chirag - VII sem. E&E created new meet record in Power Lifting. Mr. Pramod Nayak, VII Sem Civil secured the 'Most Muscular Man' Award in the Best Physique Competition.

7. College Athletics team both men and women won the 2nd runner up trophies with 8 gold medals, 4 silvers & 6 bronze medals in the VTU Inter Collegiate Athletic competitions held at Shivamogga.

1. Ms. Himani P. Hegde - 3rd year, E & C, - **Created a new meet record with a distance of 31.09 mts.** in Discuss Throw
2. Mr. Nithyananda - 1st sem., MBA - **Created a new meet record with a height of 3.40 mts in Pole Vault.**
3. Mr. Mohd. Riyaz, 1st year, BE - 3rd place in 100 mts. run and selected to represent VTU in All India Inter University Athletic Competitions.

8. College Athletics team won the 6 gold and 2 silver medals in the Ceylon Club, Srilanka and Udupi District Athletic meet held at Bhramavar on 11th & 12th January 2013

9. College teams won six Championship trophies and 3 runners trophies in recently conducted 2nd Nitte Kreedothsav 2014, an inter collegiate game competitions for the institutions coming under Nitte Education Trust conducted at Nitte University grounds, Mangalore on 23rd and 24th January 2014.

10. B.C. Alva Memorial Inter Collegiate Basket Ball Tournament for Men under D.K. and Udupi Districts was organized on 28th and 29th September 2013. A total of 14 teams from both districts participated in the tournament. NMAMIT bagged the Championship and NITK, Surathkal bagged the Runners Up. Mr. Jibin of NMAMIT won the Best Player of the Tournament Award.

11. The 28th College Annual Sports Day was held on 21st January 2014 at NET New Sports ground, Nitte. Prof. B. Padmanabha Gowda, Former Principal, Sri Bhuvanendra College, Karkala was the Chief Guest and inaugurated the meet.

In the men section the Individual Championship was bagged by

1. Mr. Mohd. Riyaz - 1st year, Physics, - 10 points
2. Mr. Mahir Khaleel - 2nd year, C.S. - 10 points
3. Mr. Srajan Rai - 1st year, Chemistry - 10 points
4. Mr. Nithyananda - 1st year MBA - 10 points
5. Mr. Aditya Naik - 3rd year, Civil - 10 points

and in the women section the Individual Championship was bagged by Ms. Kathyayani, 1st year MBA

Three day intercollegiate Technical Event “Tech-Nidarshan” was held in the month of October where about 57 technical competitions were conducted and more than 1000 students participated. A three day intercollegiate Cultural Fest “Anandotsava” was held during 20-22nd February 2014 where students from different colleges participated in 26 different events. The college day was held during the morning session of 20th February 2014, where Mr.Sanjay Sahay, ADGP, Bangalore was the Chief Guest and Mr.Sanjeet Shetty, our proud Alumnus was the Guest of Honour. Three programs under SPICMACAY were organized this year, where well known artists came from different parts of the country to give lecture and demo performances on Indian Classical Music and Arts for the benefit of students. Through EDC and STEP , every department conducts Entrepreneurship awareness camps and special training programs not only for the benefit of the students but also for the unemployed youth around. During the previous year, 7

best student projects obtained KSCST project funding . Through NSS wing, blood donation camp and several other activities have been carried out.

During 2014-15, two new M.Tech. programs will be started ie., M.Tech in Power Electronics and M.Tech. in Industrial Biotechnology. We have submitted our application for Government grants under RUSA program of MHRD, which aims at strengthening Postgraduate and research programs. The final two floors of the new academic block will be ready by the coming academic year. Two More hostel blocks of 250 capacity each will get completed by next year. Three New Labs in the department of E&C, extension of Physics and Chemistry labs and setting up of a few more Computer labs are planned for next academic year, to cater to the needs of increased student intake. We are now applying for NAAC accreditation of the Institute and re-accreditation of a few programs by NBA.

The present goal of our Institute is to become one among top 50 Engineering Institutes in the country and to start twinning programs with some leading Foreign Universities. This will definitely help us in realizing our long term vision of becoming an Institute of International repute in the years to come.

In fulfilling all our objectives, we have been getting a very strong support from our Management. I thank the President and the management for the same. Our committed faculty and staff work very hard in realizing our goals. Our Students , their parents and the employers of our students are our best ambassadors . I wish to thank all of them for their support.

With this, I wish all our students very best in their future career.

Thanks to everyone!