

NMAM Institute of Technology, NITTE – 574 110
Annual Report – 2012-13

Dr.Niranjn Chiplunkar
Principal

I am happy to present the Annual Report of the activities of our College for the academic year 2012-13.

To begin with, I thank the President and the Management of Nitte Education Trust for keeping faith in me and entrusting the responsibility of heading this great Institute. I have taken over as the Principal of this Institute on 13th June 2012. With the guidance from the Management and support from the faculty, staff and the students, I am confident that I will carry out my responsibilities as per the expectation of all stake holders. I place on record the great service put in by my predecessor Dr.S.Y.Kulkarni, in taking this Institute to the greater heights.

Nitte Mahalinga Adyanthaya Memorial Institute of Technology was founded in 1986, in memory of Nitte Mahalinga Adyanthaya, a distinguished engineer of the district. The dream of our founder Late Justice K.S.Hegde is being transformed into the reality by our President Sri. N.Vinaya Hegde, by building this Institute of Technical excellence.

NMAMIT is permanently affiliated to Visvevaraya Technological University, Belgaum. It is an academically autonomous Institute and is ISO 9001-2008 certified. Most of the programs run by the Institute are accredited by the National Board of Accreditation. The Institute, after successful implementation of TEQIP-I, a World Bank project, has been granted TEQIP-II funding during 2012-13.

As on today, the Institute offers Graduate courses in

- ⊗ Civil Engg.,
- ⊗ Mechanical Engg.,
- ⊗ Electronics & Communication Engg.,
- ⊗ Electrical & Electronics Engg.,
- ⊗ Computer Science & Engg.,
- ⊗ Information Science & Engg.,
- ⊗ Biotechnology.

And Post Graduate Courses

- Master of Computer Applications(MCA)
- Master in Business Administration (MBA)
- M.Tech in Digital Electronics & Communications
- M.Tech in Computer Science & Engg.,
- M.Tech in Energy Systems Engineering
- M.Tech in Construction Technology
- M.Tech in VLSI Design and Embedded systems
- M.Tech in Machine Design –started during 2012-13
- M.Tech in Computer Networking- started during 2012-13
- M.Tech in Microelectronics & Control Systems-VTU PG Centre
- Part-time (QIP) M.Tech programs in E&C and CSE.

The annual intake of our UG programs has been enhanced to 1008(including 15% PIO quota) since the intake of BE(Electronics and communication) was enhanced from 120 to 180, BE(CSE) from 120 to 180 and BE(civil) from 60 to 120 this year. Likewise during the current academic year, the intake of MCA was enhanced from 90 to 120. Our Total PG program intake this year (including MBA and part time M.Techs) is 508.

As on today,the Institute has 238 faculty members, which include 34 Professors, 23 Associate Professors and 181 Assistant Professors & Lecturers. 22 Visiting Professors regularly visit different departments to give special lectures. 42 faculty members are with Ph.D. qualification. 32 faculty members are pursuing their PhD and 22 faculty members are doing their M.Tech. There are 430 nonteaching (122 technical and rest nontechnical) staff in the college. All departments of our institution are recognized Research Centers of VTU, Belgaum. At Present, 26 candidates are pursuing their doctoral studies in these Research centers with satisfactory progress. Our staff members have published about 40 technical papers in National/International Conferences/Workshops and Journals (2011-2012). Many of our faculty members have presented their research papers in international / National level conferences/symposiums. The Institute publishes its Annual Research Journal and a yearly Research Bulletin containing the selected research papers of the faculty members and invited papers. Quarterly News letter being published by the Institute contains the details of the all the activities carried out by all the departments during that quarter.

The Institute has active collaborations with Pennsylvania State University, Harrisburg, USA, National University of Singapore and Ritsumeikan University Japan for faculty and student exchange and research activities.

The institute is made vibrant throughout the year by conducting many conferences, seminars, workshops, faculty development programs etc. A few of them are,

1. Workshop on Therapeutic Counselling for Engineering College Teachers on 9th to 12th July 2012
2. Workshop on Research Methodologies – 25th – 27th July 2012
3. NBA Orientation workshop on outcome based accreditation process and parameters on 25th November 2012
4. International Level Conference on “Recent advances and challenges in Biotechnology” - 27-29th December 2012.
5. National conference on “Advances in Electrical Engg” (theme: Renewable energy – Drive towards generation & control) on 12th & 13th 2013
6. FDP on “Effective leadership for excellence” on 9th and 10th April 2013
7. International Conference on “Emerging Trends in Engineering” on 15th and 16th May 2013
8. “FAER-Motorola Solutions Technology Barrier Reduction Programme” 22nd April to 21st May 2013

Few proposed events in the coming months of this academic year are,

1. Workshop on “Advances in Database Systems” on 21st & 22nd May 2013 (CSE)
2. National Seminar “Discrete Mathematics” on 23rd – 25th May 2013 (Maths)
- 3 FDP on “Advances in Hydrology and Water Resources Engg.” during second week of June 2013 (Civil)
4. ISTE National level Workshop on “Recent Advances in Machining” 10th to 15th June 2013 (Mech)
5. FDP on “Advances in Communication and signal Processing” – during June second week, 2013
6. Workshop on “Advances in Business Intelligence” on 6th - 8th June 2013 (ISE)

Infrastructural Development in the Institution:

All labs of all departments have been modernized and obsolescence is being removed by equipping them with state-of-the-art equipment. Many state-of-the-art computers have been added this year also. Wi-Fi facility has been extended to the Hostels and many uncovered areas in the Institute are being covered now. Bandwidth of Internet connectivity has been upgraded to 50 Mbps from 16Mbps.

Central library has been equipped with Digital library features & subscribes to 500 + online journals through INDEST and DELNET. More than 1900 technical CDs and 800 learning resources (multi media CDs) have been loaded on to digital server to provide access to all students anywhere in the campus. Another 1157 volumes of books have been added (2012-13) which are worth of 10 lakhs. As on date, the Library possesses 55557 volumes in total. Moodle, an intranet based e-learning tool is being used for all online sharing of resources in the college.

The additional space requirement to meet out the increase in intake has been planned and is under implementation. An academic block of 1.40 Lakh sq.ft. is under construction and 3 floors of the same are already complete and are being used. Two more floors will be ready by August 2013. Management has also taken up the construction activity of Boys hostel to accommodate 250 students & Girls hostel to accommodate 175 girls. These hostels will be ready for occupation during August 2013. Construction work of an auditorium with a capacity of 2500 is ON. New Playground with 400meter track and a sports complex with a fitness centre is ready and this year's Sports meet was held in the new sports ground. 3000sq.ft. Gymnasium building and one more floor above the new EDC block are also under construction. Very shortly, we are going to start the construction of "NET students' Consumer Cooperative Stores and the NET Credit Cooperative Society" building.

Student Achievements:

As an academically autonomous institution, we are authorized to announce Rank holders and also Gold medalists. List of such students will be announced during Graduation day to be held during June 2013. I am extremely happy to bring to notice of all of you is that Nitte education trust (Promoters of this institution) has instituted gold medals for all toppers in BE (All branches), MBA, MCA and M,Tech (all specializations).

During the academic year 2011-12, we had the excellent results in BE as follows:

CSE: 96.64%; E&C : 89.68%; E&E: 98.53%; Civil: 92.11% ; BT: 90.91%; ME:
91.03%; ISE: 98.51%

Overall : 93.43%

In Post graduate courses (MCA, M.Tech. and MBA), we had 99.9% results.

Co curricular and Extracurricular Activities:

Institution has a great tradition of conducting several co curricular and cultural activities to reflect the traditions of this great country & also to experience the rich cultural heritage.

In order to commemorate the birthdays of two great personalities of this country, Dr. S Radhakrishnan, & Sir. M Visveshvaraya, we celebrated Teachers day & Engineers day, this year also. **Sri. P P Upadhya**, a distinguished Engineer was honoured on that occasion. **Dr. Balasubramani R & Dr. Ramesh Bhat** faculty of our college who obtained their doctorate were also felicitated during the occasion

The technical skills of our students were put to competitions during National level technical festival called “Tech-Nidarshan” conducted on 28th October 2012. About 600 students from 18 Engineering colleges took part in this festival. Anandotsava 2013 was held during 7th, 8th and 9th March 2013, which gave a platform for the students to compete in 27 different cultural events. The college day was celebrated on 7th March 2013, along with the inaugural of Anandotsava. All the academic and sports achievers were felicitated on that day. Sri N.Vinaya Hegde, President of Nitte Education Trust and Dr.Ramananda Shetty, Vice Chancellor of Nitte University were the guests on the occasion.

Spic-Macay wing of our institution has organized following cultural events this year.

1. Carnatic vocal on 18th January 2013 by Sri T. V. Sankaranarayanan
2. Bharathanatyam on 30.1.2013 by Smt. Ramavaidyanathan

Every Department of the college has a technical association, through which several programs are being conducted throughout the year for the benefit of students. Apart from this, at the Institute level we have Professional society chapters like IEEE, CSI, ISTE & Institution of Engineers. We have very active NSS unit, Aeroclub, Kalanjali club, Clickz – photography club & several other student groups which carryout good number of programs for the benefit of students.

Our students also took part in various Techno-cultural festivals being conducted at various other institutions like: “Akrithi” in Canara Engg. College, “Incident” at NITK Surathkal, “SPLASH” at M V Shetty College of Engineering, “SENTIA” at MITE, Moodabidri, ”Epitome” at St.Aloysius, M’lore, ”Joshina3.0” at St.Joseph’s Mangalore, “Medha” at Sri Devi College of Engg. Mangalore,”Technomelange” at MIT, Manipal and “Euphoria” at Srinivasa College Valachil. Our institution got several prizes in these events & has emerged as champions in many such events.

Achievements of our students in sports and games:

Management of NMAMIT has provided ample opportunity for students to take part in sports & Games. This year also we could participate in most of the tournaments being conducted by VTU & other reputed organizations. A few of such events, where we won prizes are as follows.

1. College Wrestling Men team won **2 gold, 1 silver and 2 bronze medals** in the **VTU Inter Collegiate Wrestling and Judo (M) competitions** held at MVJ college of Engg., Bangalore from 14th to 16th September 2012.
2. College Volley Ball team (M) won the “**Championship Trophy**” in the Yen cup Professional Colleges under D.K., Udupi and Kasargod districts **Inter Collegiate Volley Ball tournament** held at Yenepoya University, Mangalore from 24th to 27th September 2012.
3. College Power Lifting team won the “**Championship trophy**” in the **VTU Inter Collegiate Power lifting competitions** held at SDM. Institute of Technology, Ujire from 18th to 20th October 2012.
4. **College Athletic team (M & W)** won one gold, four silvers and five bronze medals in the **VTU Inter Collegiate Athletic competitions** held at Siddaganga Institute of Technology, Tumkur from 1st to 4th November 2012.
5. College Basket Ball team (M) won the “**Championship Trophy**” in the B.S.A. Kumar Memorial D.K., & Udupi districts Inter Collegiate Basket Ball tournament held at Yenepoya University, Mangalore from 11th to 13th January 2013.
6. College Cross Country women team won the “**Runner Up Trophy**” in the **VTU Inter Collegiate competitions** conducted at T.T. Institute of Technology, KGF, Kolar on 22nd and 23rd February 2013 and College Boys team won the 4th position in the VTU Inter Collegiate Cross Country competition.
7. Mr. Pramod N P, Mr.Sukshith Kumar, Mr. Mohammed Ilias Ansary, Ms. Devayani Shetty, Ms.Rakshitha k G, Mr. Chiray & Mr. Adil Saheb participated in all India Interuniversity competitions in various events.
8. The College Woman Volly Ball Team secured the “**Runner UP Trophy**” in the VTU Single Zone Volly Ball Competition conducted at KSGI (KSIT & KSSIT), Bangalore on 21st & 22nd March 2013.

Organization of “Nitte Kreedotsav 2013”:

Nitte Kreedotsav 2013- An Inter Collegiate sports competitions for the institutions under Nitte Education Trust for the 1st time was conducted by NMAMIT, Nitte on 19th and 20th January 2013 at Outdoor Basket Ball court very successfully. The tournament was inaugurated by Sri. N. Vishal Hegde, Trustee, Nitte Education Trust.

Volley Ball and Basket Ball events for students (both the category) and Badminton (singles & doubles) and Table Tennis (Singles & doubles) events for staff (both the category) were

conducted during two days of the competition. Total 192 student and 42 staff members were participated.

Organization of 27th College Annual Sports Day:

The 27th College Annual Sports Day was held on 6th February 2013 at New Sports Complex, Nitte. Sri. Abijin B., KAS., Tahsildar and Taluk Magistrate, Udupi was the Chief Guest and inaugurated the meet.

All Staff & students were given an opportunity to exhibit their talents in this important event.

Nearly 1200 students & 60 staff members took part in most of the events held during the meet.

Placement Activities:

Another batch of students under the 'Autonomy' scheme would be graduating this year. Hence, it was challenge for the Institution to continue to explore the advantages of Autonomy and to encourage companies to accept our students for recruitment. The companies' feedback about our students is encouraging. The pragmatic, professional and ethical approach of us has ensured a positive image for the college which has worked well to sustain a meaningful and long standing relationship between the college and visiting companies. Many newer initiatives being introduced by the Dept. of Training & Placement to enhance student' competence and morale is worth to be appreciated here. As a reward for these efforts, the placement outcome is quite good and as on today, 386 students finding recruitment on campus (even though campus placement was not very easy this year due to slowdown in the Industry). Few more companies are expected to visit the campus in the remaining months to come during this academic year.

Following is department-wise recruitment of students. This is in-complete since placement activities are still ON.

Branch-wise Recruitment details 2012-13 :

Civil Engg : 22 ;	Mechanical Engg : 78 ;	Electrical & Electronics Engg: 34 ;
Electronics & Communication Engg: 101;		Computer Science & Engg: 77;
Information Science & Engg: 44 ;		Biotechnology: 06;

M CA19: M.Tech - VLSI02; M.Tech - DEC: 01 M.Tech – CS: 02 **Total: 386**

We congratulate all the placed students

EDC and STEP Activities:

Management of NMAMIT strongly believes in services to community. Hence, in order to provide an interface to the community around, ED Cell and Science & Technology Park have been established. These cells are very active & conduct lot many programmes every year to

empower rural youth, women and farmers. It is my pleasure to inform you all is that these programs are very well accepted and the expected outcome has been achieved. Based on the merits of our institution and its capabilities to organize skill based training programs, Govt. of Karnataka under Ministry of Industries & Commerce has established “Suvarna Koushaybhivrudhi Ghataka (Vocational Training Centre)” at a cost of Rs. 1.40 Crores. This year we established 2 computer labs exclusively for the purpose of training the youth under the EDC. EDC conducted many awareness camps to the students of Vijaya College, Mulki, M.R.Punja ITI, Thokur, Sri Durga Devi ITI, Niddodi and our own final year students. We have also conducted useful training programs on CNC machines and advanced computer applications. Now we are in the process of setting up an exclusive CNC facility under EDC for the training purpose.

I take this opportunity to thank the President of the Trust Sri N.V.Hegde, all the Governing Council & Academic Council members and all staff members of this institution for making this campus a place well suited for shaping career of our students by creating required academic ambience. My thanks are also to all my students for their exemplary behavior in the campus and for their enthusiastic participation in all curricular and co-curricular activities in the campus. I wish all my final year students the best and request them to be proud of their alma mater and extend a supportive hand to take this institution still to greater heights. I wish all the students very best, for their forthcoming semester end examinations.

