

**ANNUAL REPORT 2014-15, PRESENTED BY THE PRINCIPAL AT THE  
COLLEGE ANNUAL DAY FUNCTION HELD ON 21 FEBRUARY 2015**

Respected H.H. Shri Vishwavallabha Theertha Swamiji, H. H. Shri Vishweshwara Theertha Swamiji, Sri Ananthakrishna, other dignitaries on & off the dais, invited guests, colleagues, parents & students; its my pride & privilege to present before you, the valued annual report 2014-15 of SMVITM, Bantakal.

I am proud to mention that an engineering institution of repute, established with a sublime objective of providing holistic professional education that bridges social gaps and empowers all segments of the society to approach the future with optimism and hope, is Shri Madhwa Vadiraja Institute of Technology & Management, Bantakal. Today, is a day of retrospection! SMVITM, Bantakal, established in the year 2010, has emerged as an engineering institution with distinction, a promising institution of the coastal region providing value added, quality education in engineering, an institution striding towards excellence! With the lofty Vision and Mission, several steps are being undertaken for multi-dimensional growth of the institution and effective industry-institute interface.

Thanks to His Holiness Shri Vishwavallabha Theertha Swamiji of Shri Sode Vadiraja Mutt, Udupi, the founder of SMVITM! He dreamt of uplift of the underprivileged in the form of basic education, in general and technical education, in particular. His dream is being realized today!

**SMVITM Family:**

We have 1472 students on roll (as on date), of which 222 are in the fourth year, 394 in the third year, 449 in the second year and 407 in the first year of four BE courses, namely Civil Engg., Mechanical Engg., Electronics & Communication Engg. and Computer Science & Engg. We have 93 well qualified faculty members and 116 non-teaching staff members on roll. In addition, 03 visiting faculty and 06 Adjunct Professors also support us through supplementary teaching. We try to maintain a teacher-student ratio of nearly 1:15, in line with the AICTE and VTU recommendations.

### **Academic Performance of the Students:**

Our students have performed exceedingly well in the VTU conducted end-semester examinations. In the even semester exams held in May/June 2014, 346 students in the Second Semester have passed out of 382 students appeared, a record 91% results, with 172 students scoring First Class with Distinction, 122 students scoring First Class and only 52 students scoring second class marks.

In the Fourth Semester, in Civil Engineering 63%, in Mechanical Engineering 80%, in Electronics & Communication Engineering 86% and in Computer Science & Engineering, 81.5%; in the Sixth Semester, in Civil Engineering 89%, in Mechanical Engineering 65%, in Electronics & Communication Engineering 85% and in Computer Science & Engineering 95% results are recorded. The Eighth Semester results are still outstanding and striking with 100% results in Civil Engineering (all students scoring First Class with Distinction marks); 94% in Mechanical Engineering, 100% results in Electronics & Communication Engineering and 97% in Computer Science & Engineering.

It is given to understand that SMVITM is at the top in the first year as well as final year VTU results, in the region! Congratulations to all the successful students on their remarkable achievement and to the faculty members, for their contribution in achieving this result.

### **Student Scholarships:**

Around 460 students from different branches have received scholarships/awards worth more than Rupees 60 lakhs during the academic year 2014-15, from different charitable trusts like Gowthama Foundation, Bangalore; Ramakrishna Mission Ashrama, Belgaum; Smt. Tonse Padmavathiamma & Sri Subbanna P Udipi Memorial Charitable Trust; Sitaram Jindal Foundation, Bangalore; Malpe Madhwaraj Charitable Trust, Udupi; Yakshagana Kalaranga, Udupi; Arihant Charitable Trust, Bangalore; Vishwapriya Theertha Trust, Admar Mutt, Udupi; GSB Scholarship League, Mumbai; Sujnana Nidhi Scholarship, Dharmasthala; Geethanand Foundation, Kota; Kittur Rani Chennamma Scholarship; Anna Vittala Trust; Mr. Sunder Madakshira sponsored Sri Madhwa Vadiraja Prashasthi; Mr. Prabhav N Rao sponsored Leapfrog Engineering Services Pvt. Ltd., Bangalore

scholarships; SMVITM Institutional merit-cum-means Scholarships, along with different departments of Government of Karnataka.

The institute gratefully acknowledges the support of all the benevolent well wishers who have contributed for this noble cause and invites further generous contributions from the philanthropists.

### **Major Institutional Programs and Accomplishments:**

Several workshops, training programs, social service activities, technical as well as cultural programs and student association events were organized in the institute, through out the year. Among them, the prominent ones are : observation of the 'Engineers week' through technical talks from experts of NITK, Suratkal; 'World Water Day' celebration in association with Karnataka State Pollution Control Board, Udupi Regional Centre; a programme of societal impact entertaining the special children of 'Manasa', Pamboor, by the Youth Red Cross wing and NSS units; Gracious visit of Bharat Ratna, Dr. APJ Abdul Kalam, former President of India and interaction with the students; a science model making competition & exhibition titled 'Avishkar' by the ISTE Student Chapter;

organising a mega blood donation camp at the institute by the NSS and Youth Red Cross wings, in association with the KMC Blood Bank Manipal and JCI Moodubelle, Udupi; a motivational talk on Research Initiatives by Dr. Raj Rodrigues, MIT, Manipal; organizing free "CET-KEA Pre-Counseling and Career Guidance Program" in the PPC Auditorium, Udupi and free infrastructural support to CET admission aspirants, as a value added program for the benefit of student community and public; Student Project Exhibition; one-week ISTE Sponsored Faculty Development Programme on Computational Methods and FEA in Mechanical Sciences; one-week training program on Programmable Logic Controllers; one-week training program on VLSI Design;

a two-day faculty development program for the teaching staff of the institute with Dr. P. V. Bhandary, Director of A. V. Baliga Hospital, Udupi and his team and Dr. Lewlyn L. R. Rodrigues as the resource persons, with the theme areas being 'Teacher as an Effective Counselor' and 'Faculty as an Institution Builder'; a workshop on Communication Skill Development for the non-teaching staff;

Orientation program for the 2014 admission batch students with Dr. Narasimha Bhat of Manipal Dot Net Pvt. Ltd. Manipal as the chief guest; a guest talk titled 'Internet of Things' by Dr. Chandrashekar Rao Kuthyar of Sangam One Connected Services Pvt. Ltd., Bangalore; observance of the Geneva Convention Day by the institute NSS and YRC wings; a two-day workshop on Linux with Prof. Edwin, a former professor of Spring Garden College, Philadelphia, USA as the resource person; inauguration of the newly elected student council with Dr. Vijayendra Rao, Denta Care, Udupi as the chief guest; felicitation to renowned freedom fighter Sri Kote Lakshminarayana Sharma;

signing three academically significant MoUs with SAP Labs India Pvt. Ltd., Bangalore; CVC Pvt. Ltd., Bangalore and i-POINT Consulting Services Pvt. Ltd., Mangalore at a function organised at Shri Kshetra Sonda, Sirsi; a one day training program titled 'Skills for Successful Life' for the members of the NSS unit by JCI Manipal; Vanamahotsava celebration by the NSS unit and Rotaract Club of SMVITM; inauguration of the newly constructed additional block of the Boys' Hostel on campus; celebration of Teachers' Day with Dr. P. R. Panchamukhi, Professor Emeritus & Chairman, CMDR, Dharwad as the chief guest and distribution of best teacher awards; a paper presentation competition for the students of SMVITM with 'Making Indian Engineering World Class' as its theme by the ISTE Student Chapter;

Engineers' Day celebration with Mr. Vidur Shailendra Bhatnagar, SAP Labs India, Pvt. Ltd., Bangalore as the chief guest; 'Techno Week 2014' organized along with Association of Consulting Civil Engineers (India), Mangalore Centre; observance of 'World Ozone Day' in association with Karnataka State Pollution Control Board, a guest talk titled 'Join Indian Army' by Col. Sanjiv Shukla, Officer Commanding, 4 Kar Engr Coy NCC, Manipal through Rotaract Club; a special interaction and entertainment program and donation of books, clothes and toys for the in-mates of Asha Nilaya, a residential-cum-day school for special children at Udupi by the members of NSS and YRC wings; holding a series of workshops/training sessions on Free and Open Source Software (FOSS) as part of the project 'Spoken Tutorial', initiated by IIT Bombay under the National Mission on Education through ICT funded by MHRD, Government of India;

organizing a mega science model exhibition-cum-competition titled 'Avishkar2K14' for the PUC students of Udupi and DK districts by the ISTE Faculty and Student Chapters with 80 students constituting 31 teams representing 18 PU colleges participated and Prof. Dr. K.C. Gouda, Sr. Scientist, National Aerospace Laboratory, Bangalore as the chief guest & mentor; observance of Swach Bharat Abhiyan by the NSS & hostel volunteers through cleaning up the campus and weeding the gardens;

a workshop on 'Connected Cars and Connected Robots' project with Mr. Ganesh Prasad, General Manager (Services), Hyundai, Udupi and Mr. Chandrashekhar Rao Kuthyar, Adjunct Faculty as the resource persons; a technical talk on 'Renewable Energy & its Applications in Real Life' by Prof. Shreepathi, Coordinator, Chirantana Green Technology Centre, JNNCE Shivamogga; organizing the first graduation day ceremony with former Chief Justice and Governor, Dr. Rama Jois as the chief guest and presenting gold medals to the branch toppers in VTU exams; recognition to the Testing & Consultancy Cell at the Civil Engineering Department as 'Third Party Consultant' for developmental works of Udupi Taluk by the Deputy Commissioner of Udupi District;

a workshop titled 'Digital Image Processing using Matlab' conducted by Tech-Talk Systems Pvt. Ltd., Bengaluru; a workshop titled 'Robo Vision', conducted by Technophilia Systems, Mumbai; holding computer based training to 150 high school teachers of Udupi District under District Institute of Education and Training (DIET), Udupi; a ten-day training program on CATIAV5R20 software through Sri Manjunatha Design Solutions, Bangalore; A special final year students' parent meeting with Mr. Mahesh Bidari and Mr. Ashok D. P, Directors of Callready Learning & Development Pvt. Ltd., Bangalore as the resource persons; holding a three-day mega rural job fair, Pravruithi '15, on campus which was open to the current final year students and passed out batch students of the degree and engineering colleges of the DK, Udupi and neighboring districts; annual sports day with Dr. Kemparaj, Director of Physical Education, MU as the chief guest and organizing 'Varnothsava', an inter-collegiate, state level, techno-cultural fest, showcasing the talents of degree and engineering students of the region.

### **Salient Student Achievements:**

- ✓ Swathi Nayak, Shwetha Kamath and Amrutha of final year CSE have published a paper in the *International Journal of Research in Information Technology (IJRIT) Vol 2, Issue 6*.
- ✓ A student project titled, *Development of Forced Convection Solar Onion Dryer* designed and developed by Narasimha Pai K, Keerthan, Nagaraj Ulithaya and Ashwin M G of final year Mechanical was selected for a Seminar cum Exhibition held at BVB College of Engineering & Technology, Hubli.
- ✓ Devika Laxmeesha of final year CSE won second place at the state level debate competition on “Is Electronic System Design and Manufacturing Important for Indian Economy?” organized as a part of *National Karnataka Education Summit & Awards* at VTU Regional Centre, Bangalore.
- ✓ Snehal and Apatha Hegde from third and second year Civil Engineering were selected for Round II of *Engineeria* - a nationwide quiz contest, which was held at CADD Centre, Udupi
- ✓ Vidya G. of final year ECE won the third prize in a drawing competition held at Prasad Nethralaya, Udupi.
- ✓ Vineeth Upadhyaya of final year Mechanical was selected for the Round III (state level) of *Engineeria* - the nationwide quiz contest held at Bangalore.
- ✓ Musica Supriya from final year CSE, Vani V. Bhat from I year CSE and Priyanka Bhat & Kanika Shetty from third year ECE won the first, second and third prizes respectively in the paper presentation competition with *Making Indian Engineering World Class* as its theme, organised by the ISTE Student Chapter as part of the Engineers’ Day celebrations.
- ✓ Ranganath K of final year CSE represented SMVITM in the VTU Inter-Collegiate Yoga (Men) Tournament held at HIT, Nidasoshi, Belgaum.
- ✓ Vignesh of third year CSE won the first prize in the 60 Kg. category and the second prize in the ‘Mr. VTU’ competition and Ajith Joshi of final year Mechanical won the second prize in the 80 Kg. category at the VTU Inter-collegiate Body Physique (Men) competition held at NMAMIT, NITTE.
- ✓ Nikhil Acharya, Vignesh D Pai, Sumanth Kumar M, Shetty Pritam Pradeep, Bilal Asadi, Rayan Christ D’souza, Rao Prabhakar Bhaskar, Fervez Jaffer B M and Vishweshwar Sharma, under the auspices of the ISTE Student Chapter

organised *Bots N Codes*, a robotics workshop-cum-competition for the students at the institute.

- ✓ Swaroop Belle of third year Mechanical won the first, second and third prizes in different categories at the 32<sup>nd</sup> All India Budokan Karate Federation Championship-2014 held in Mangalore.
- ✓ Suraksha of first year ECE won the first place in the black belt (female) category in the VII Western Open National Level Karate Championship held in Mangalore
- ✓ Sonia V. Jathan and Sneha Hegde won the first and the third prizes respectively in shot put, Deeksha V. Shetty won the third prize in 1500 metre race and Dhanush Kumar B. M finished fourth in the javelin throw event in the 17th VTU Athletic Meet 2014-15 held at VTU Campus, Belagavi
- ✓ 45 students from different semesters and departments participated in *Technidarshan*, an intercollegiate technical festival held at NMAM Institute of Technology, Nitte. Vani Bhat of I year CSE won the first and second prizes in paper presentation and Science fiction writing respectively and Sumanth Bhat, Shreenidhi R & Shreevathsa of final year mechanical bagged the second prize in *Cadmenia* event.
- ✓ Musica Supriya, Ashwini Rao, Edvina Crasto and Chitra S of Dept. of CSE presented a technical paper titled ‘Advanced Metering Infrastructure-Security Protocols’ in the National Conference AECT-2015 at MIT, Manipal.
- ✓ S Sumana Shenoy of final year ECE was chosen as one among the 100 students selected from across the country to participate in Lead Prayana 2015, an annual leadership journey during which the participants travel across Karnataka and interact with reputed role models. The program is organised by Deshpande Foundation, Hubli, an NGO that promotes entrepreneurship and innovation.
- ✓ Rakshith Alva and Deviprasad Shetty of third year Mechanical won the first prize in an inter club paper presentation competition organised as part of the district Rotaract Conference, Utsava 2015 at Puttur.
- ✓ Nikhil Acharya, Rayan Christ D’souza, Rahul Kumar and Fervez Jaffer B M of third year ECE secured second position in the zonal round of RoboTryst-2015 competition and got qualified to the final round of this international level Robotics Championship to be held at IIT Delhi in March 2015.

- ✓ The participated team of students won several prizes and the Overall Championship Winners Trophy for the third consecutive year, a hat-trick, at ‘Anandothsava’, the state level intercollegiate techno-cultural fest held at NMAMIT, Nitte recently and brought laurels to the institution.

Congratulations to all the student achievers!

### **Faculty Initiatives:**

Dr. Balachandra Achar H. V., Professor & HOD of Electronics & Communication Engineering was conferred with Ph.D. degree for his thesis entitled “Silicon Nanoporous Membranes for Biomolecular Separation” from prestigious IIT Madras, during its 51<sup>st</sup> convocation ceremony held on 18 July 2014. Mr. Nagaraj Bhat, Department of CSE attended the International Symposium of Climate Research and Earth Observation from Space, organised by World Climate Research Program (WCRP) at Darmstadt, Germany from 13 to 17 October 2014 and presented a research paper, titled ‘Monitoring and modelling of the Climate Variability over the Western Ghat’. Dr. Ravindra H.J., Head, Department of Physics received a grant of Rs 4 lakhs towards executing a project titled ‘Design of Lambda-shape Organic Molecules for Blue-green Coherent Light Generation’ under the Seed Money to Young Scientists for Research (SMYSR) scheme from the Vision Group of Science and Technology (VGST), Govt. of Karnataka.

Dr. A Ganesha, Dean Academics; Dr. K K Srinivasan, HOD, Ms. Subbulakshmi N. Karanth & Ms. Raviprabha of Department of Chemistry; Dr. Lolita Priya Castelino, HOD, Ms. Bhagyalaxmi Navada, Ms. Renita Sharon Monis, Ms. P. Aishwarya, Ms. Nisha Reena Nazareth and Ms. Dhanyashree Vinay of Department of Mathematics; Mr. Ramamurthy & Mr. Deepak Rao M of Department of Computer Science & Engg.; Dr. Ravindra H.J, HOD, Department of Physics; Ms. Deepika B V. of Dept. of Civil Engg.; Mr. Vivekananda Huddar, HOD, Mr. Pavan Kumar & Mr. Anand Hegde of Dept. of Mechanical Engg. have delivered invited talks, attended various workshops or conferences, presented research or review papers and/or have published papers in reputed journals & conferences, in the last one year. The staff cricket team of SMVITM won the “Shri Trophy” in the VTU zonal cricket tournament organized for the faculty and staff members of engineering colleges of the region.



### **Training & Placement Status:**

- Majority of the final year eligible students have appeared for Pool Campus Placement Tests/Interviews of many companies. As on date, 77 students have got placed in HP, Mphasis, Robosoft Technologies Pvt. Ltd., Celstream Technologies Pvt. Ltd., Cognizant Technology Solutions, Unisys Corporation, CVC Pvt Ltd., IBM India Pvt. Ltd, Diya Systems, Microland, Vertex Customer Solutions (I) Pvt Ltd., and C-Cubed Solutions Pvt Ltd.
- 178 students, mainly from final year, have undergone Industrial Training in 19 companies spread over Goa, Tamil Nadu, Uttara Kannada, Bengaluru, Mangaluru, Udupi, Malpe, Parkala, Manipal.
- Pre-placement trainings were given by different professional trainers from 4 to 8 Aug., 30 Aug., 20 to 23 Sep., 8 Oct 2014 and from 27 January to 04 February 2015 to final year students.
- Ethnus and i-Point are the two professional training organizations, deployed to train all the students of SMVITM on Soft skills and Employability skills, regularly from the current even semester (2 hours per week per section during regular working days).
- 'Pravruthi', the first-ever Rural Mega Pooled Campus Placement Drive was held from 05 to 07 February 2015 in the institute campus. 2,210 students from 74 Technical and Non-technical Institutes of the region participated. Various companies from IT Core, ITES, Manufacturing and Construction sectors like HP, IBM, Accenture, Mphasis, Diya Systems, Microland, Vertex, C-Cubed Solutions, Shobha Developers, First Source, Serreco Global, Concentrix, Jaro etc. were involved. Around 315 (55 from SMVITM) students got the Letter of Intent for IT Development, TSA, BPO and HR offers or got shortlisted for the next (company) rounds, during these 3 days.
- Discussions are in progress with various corporates like CMC LTD, ETHNUS, Gemini Communications, Bremel Rubbers, Kurlon Ltd, Diya Systems, Mphasis, B L Kashyap Group, L&T Constructions, Toyota Kirloskar, Mindtree etc. for direct recruitment of our students.

### **Some Milestones in the Journey towards Excellence:**

- VTU recognized Research Centers and execution of externally funded research projects in basic sciences

- Establishment of R&D Centre in Mechanical Engg. funded by KCTU, Dept. of Commerce & Industry, Govt. of Karnataka
- Academic partnerships with leading organizations like SAP Labs, Bangalore; CVC Pvt. Ltd., Bangalore, Ethnus Consultancy Services Pvt. Ltd., Bangalore and i-POINT Consulting Services Pvt. Ltd., Mangalore
- IT Facility Agreement with premier TCS company
- Collaboration with CSIR, NAL & ISRO for student training/outreach programs
- Fully functional, recognized ‘Testing & Consultancy Cell’ in Civil Engg.
- KSCST & VGST (TRIP) sponsored & promoted student project works with social impacts
- Unique, industry promoted Innovation Lab. in ECE department
- Well-qualified and highly committed team of faculty and staff, satisfying all the statutory requirements - Doctorates serving in each department
- Promoted research/review paper publications in national/international journals/conferences
- Holding fully sponsored, National level Conference
- Organization of state level, inter-collegiate techno-cultural fests and Science Model Exhibitions
- 100 % results in VTU examinations
- ISTE sponsored faculty development programs
- Invited presentations by the faculty on international forums abroad and many more.....

Having admired the vision and value addition to engineering education taking place at this institute, the Former President of India, Bharat Ratna, Dr. A P J Abdul Kalam made a prestigious visit to this campus on 02 April 2014 and interacted with the students on the topic “Empowering the Nation through Technology and Innovation”. He was welcomed uniquely by a robot developed by our competent students, exhibiting their technical expertise.

I am proud to mention that perhaps, this is the only private engineering institution in the state admitting as high as 70 to 75% merit students through Karnataka State

CET (KEA). Because of its exalted Vision, Mission & Objectives, improved visibility, state-of-the-art infrastructure and remarkable accomplishments, this institution just in its 5th year of existence, has a record admission through CET (Merit seats) of more than 94%! Though the institution is very young, the accomplishments of students, faculty and staff are many and commendable. You may please visit our college website [www.sode-edu.in](http://www.sode-edu.in) to know more about our activities and progress.

### **A Bouquet of Gratitude:**

Yes, it is SMVITM: Where Values & Technology Converge. It is SMVITM, becoming mightier year by year! Yes, the institute has rightly envisioned becoming a role model in technical education and the most preferred choice of students, parents, faculty and industry in the near future!

Let me take this opportunity to acknowledge gratefully, the unstinted co-operation, constant inspiration and immense support extended by His Holiness Shri Vishwavallabha Theertha Swamiji, President of SSVMET and Chairman of Governing Council, all the honorable members of SSVMET and GC of SMVITM, all the HODs, Dean, faculty and staff members of SMVITM, all the parents, donors, well wishers and resource persons from industries, NGOs and neighboring institutions as well as Press & Media representatives; in realizing our objectives.

Hope everyone gathered here is attracted by awesome ambience & eye-catching stage settings; reflecting our tradition, our culture, antiques of this soil! People behind this creativity, conceptualization & realization are none other than our students-your children-proud members of SMVITM family. I am not reading out their names as the list is too big. Some are on the stage-some behind the stage-some in front of the stage-some, standing beside you with smiling faces-beaming faces! Give them a big hand. Hats off to you all, my dear children, for your volunteered, dedicated & humble team work, ably guided & encouraged by our talented faculty & staff.

Last but not the least I bow in gratitude before the Lord Almighty who made all these accomplishments possible. Everyday brings His Blessings, every moment we experience His Care and Protection!!

Thank you for your precious time.

Prof. Dr. Radhakrishna S. Aithal  
Principal, SMVITM, Bantakal