

# वक्रवार



DEPARTMENT NEWSLETTER



Department of Civil Engineering  
**SHRI MADHWA VADIRAJA**  
**INSTITUTE OF TECHNOLOGY AND MANAGEMENT**



## VISION



To establish a renowned centre to impart quality technical education, leadership qualities, professional ethics so as to contribute civil engineers to the society, capable of meeting the global challenges.



## MISSION



- To provide unparalleled infrastructural facilities for imparting quality education at affordable cost.
- To provide an academic environment conducive for quality education and research, focusing on transfer of knowledge for the benefit of the profession and society.
- To nurture talent in students and staff to enable them to be leaders in their chosen professions while maintaining the highest levels of ethics.
- To create awareness about innovation and ideation amongst students to promote entrepreneurship.
- To provide a platform for effective interactions and networking amongst all stakeholders so as to achieve excellence in education, research and outreach activities.



*His Holiness Shri Vishwallabha Theertha Swamiji*

## About SMVITM

Shri Madhwa Vadiraja Institute of Technology & Management (SMVITM), Bantakal, Udupi: the brain child of His Holiness Shri Vishwvallabha Theertha Swamiji of Shri Sode Vadiraja Mutt, Udupi, just six years old, has emerged as a promising engineering institution in the region of coastal Karnataka, today! Shri Swamiji established this institute with the sublime objective of providing quality higher education to the needy student community at affordable costs. Despite the campus being conveniently located in the remote rural area, at 12 km away from Udupi city, SMVITM ensures that the students are well trained on existing engineering practices and acquainted with latest industrial trends.

## THE EDITORIAL

### Faculty Coordinators

1. Prof. Dr. B. Radheshyam
2. Mr. Sunil S Haldankar

### Student Coordinators

1. Mr. Bhuvanamitra S
2. Ms. Sahithya S Shetty
3. Ms. Geetha

**Page Design:**  
Bhuvanamitra S, 6th Semester CVE

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## FROM THE HODs DESK



The Civil Engineering Department at SMVITM in a short period of time has witnessed a rapid growth and diversification, which is really strengthening our influence within the student and engineering community. Clearly, few other Institutes have such depth and breadth of infrastructure and facilities as at SMVITM. One priority will be to capitalize on these strengths by enhancing our academic, research, and outreach programs and by making our combined strengths known such as by enhancing our qualifications and departmental publications. Let us also take utmost care in serving the society by extending the expertise and facilities in our Institute, and more specifically in our Department, so that we also take part in nation building.

I congratulate the efforts of the faculty members and the students of Civil Engineering Department for their untiring efforts in bringing out this first ever Departmental Magazine “Aakaara”. The Department of Civil Engineering at SMVITM is an extraordinary department with excellent students, faculty, and staff. I look forward to working with our Management, Governing Council, Advisory Board, Principal, members of the SMVITM Family, and our alumni to continue to improve research, teaching, and outreach programs over the next several years. This newsletter highlights a few of these activities.

**Prof. Dr. B. Radheshyam**

*Professor & Head*

*Department of Civil Engineering*

*Shri Madhwa Vadiraja Institute of Technology & Management*

## EVENTS HELD DURING EVEN SEMESTER



ISTE student chapter in association with FE Designs, Bangalore organized a One Day Workshop on "Design of Structures using Building Information Modelling (BIM) Software- CYPECAD" by Mr. Amarnath S N, Proprietor, FE Designs, Bangalore on 30 January, 2016.

ISTE Student Chapter in association with the Association of Consulting Civil Engineers(I), Mangalore center organised technical lectures as a part of "Engineer's Week 2016" on 28 March 2016. Dr. B M Sunil, Asst. Professor, NIT-K, Surathkal and Er. Ujwal D'souza, Director, M/s Marian Projects Pvt Ltd., Mangalore. Dr. B M Sunil lectured on the topic "Environmental Geotechniques" & Er. Ujwal D' Souza lectured on "Plant and Machineries in Construction".



ISTE Student Chapter in association with UltraTech Cement Ltd., Mangalore organized technical lecture on "Advances in Concrete Making Materials" by Er. Nagesh Puttaswamy, Regional Head-Technical Services(South Karnataka) UltraTech Cement Ltd., Bengaluru on 17 March, 2016.

ISTE Student Chapter in association with EduCADD, Udupi organised a Technical Talk on "State-of-art Civil Engineering Software Packages" by Mr. Abhinav, EduCADD, Udupi on 01 February, 2016.

## FACULTY ACHIEVEMENTS

Sl No.	Faculty Name	Achievements	Date
1	Anand V R	Presented a paper titled "An Experimental Investigation on the Strength behavior of Concrete made with Glass Powder" during National Conference ATCESD-16	26-27 February 2016
		Presented a paper titled "Comparative Study on the performance of Flyash with concrete made with blended cement" during National Conference ATCESD-16	
2	Sunil S Haldankar	Presented a paper titled "Stability of Geogrid Reinforced Laterite soil as subgrade material for Road Construction" during National Conference ATCESD-16	26-27 February 2016
		Presented a paper titled "Emerging trends in Ground Improvement Techniques" during National Conference ATCESD-16	
3	Pruthvin C Shetty	Participated in 2 day workshop on "Applications of Remote Sensing & GIS in Civil Engineering" organized by Dept. of Civil Engg., SVCE	1 & 2 March 2016
4	Deviprakash Upadhyaya	Participated in a workshop on Virtual labs at NIT-K, Surathkal	29 March 2016
5	Akshitha	Participated in the Faculty Development Program on "Research Methodology"	8 January 2016



(Dr.) Anand V.R

Registered for PhD in VTU. The registration was done in January 2015 under the guidance of Dr. Pradeep Kumar, Professor & Head, Department of Civil Engineering, JNNCE, Shimoga. The research work is in the field of Strength and stability of Arch foundations. He has successfully completed comprehensive viva voce and waiting to submit his thesis.



(Dr.) Deepika BV

Registered for PhD in VTU. The registration was done in January 2015 under the guidance of Dr. C R Ramakrishnaiah, Associate Professor, BMS College of Engineering, Bangalore. The research work is in the field of ground water vulnerability modelling. She has successfully completed her course work in the year 2016 and preparing for comprehensive viva voce.



## INTERNSHIPS

SI.No	Name of the Student	Company	Project Site
1	Mr. Gopal	Yojaka Projects Pvt. Ltd.	Padukere bridge site at Malpe
2	Mr. Avinash Kumar	Yojaka Projects Pvt. Ltd.	Padukere bridge site at Malpe
3	Mr. Skanda Prasad	Yojaka Projects Pvt. Ltd.	Padukere bridge site at Malpe
4	Ms. Alisha Benny	Shambhavi Developers	Shambhavi Sovereign
5	Ms. Shradha Pai	Shambhavi Developers	Shambhavi Sovereign at Manipal
6	Mr. Prakash	Yojaka Projects Pvt. Ltd.	Padukere bridge site at Malpe
7	Mr. Abhishek A	Yojaka Projects Pvt. Ltd.	Padukere bridge site at Malpe
8	Mr. Adithya Samanth	Yojaka Projects Pvt. Ltd.	Padukere bridge site at Malpe
9	Mr. Rayappa	Yojaka Projects Pvt. Ltd.	Padukere bridge site at Malpe
10	Mr. Sachin Suvarna	Yojaka Projects Pvt. Ltd.	Padukere bridge site at Malpe
11	Mr. Vikas Rao N	Tharaka Engineers	Reach 2 Pipeline Cum Road Corridor, Construction Of Approaches to KRCL ROB at Jokatte ,Internal pipe corridor
12	Mr. Girish Kumar G R	Tharaka Engineers	Reach 2 Pipeline Cum Road Corridor, Construction Of Approaches to KRCL ROB at Jokatte ,Internal pipe corridor
13	Mr. Adithya S Shetty	Tharaka Engineers	Reach 2 Pipeline Cum Road Corridor, Construction Of Approaches to KRCL ROB at Jokatte ,Internal pipe corridor
14	Mr. Mohammad Zahid Fazal K	Tharaka Engineers	Reach 2 Pipeline Cum Road Corridor, Construction Of Approaches to KRCL ROB at Jokatte ,Internal pipe corridor
15	Mr. Mohammad Rizwan	Tharaka Engineers	Reach 2 Pipeline Cum Road Corridor, Construction Of Approaches to KRCL ROB at Jokatte ,Internal pipe corridor
16	Mr. Vishwas K	Tharaka Engineers	Reach 2 Pipeline Cum Road Corridor, Construction Of Approaches to KRCL ROB at Jokatte ,Internal pipe corridor
17	Mr. Faizal	Tharaka Engineers	Reach 2 Pipeline Cum Road Corridor, Construction Of Approaches to KRCL ROB at Jokatte ,Internal pipe corridor
18	Mr. Amogh Shetty	Tharaka Engineers	Reach 2 Pipeline Cum Road Corridor, Construction Of Approaches to KRCL ROB at Jokatte ,Internal pipe corridor

## FINAL YEAR PROJECT TOPICS AND PROJECT GUIDES

Sl.	Title of the Project Guide	Internal Guide/Co-Guide	External Guide
1	Identification of landside prone area using remote sensing techniques	Dr.B.Radheshyam/ Ms.Akshitha	Dr. H. Gangadhar Bhat
2	Study and behavior of semicircular Arches subjected to UDL	(Dr).Anand V.R	-
3	Study and behavior of semicircular Arches subjected to partial UDL	(Dr).Anand V.R	-
4	Study and behavior of semicircular Arches subjected to point loading	(Dr).Anand V.R	-
5	Analysis of multistoried reinforced building using Cype Cad	Mr.D.Santhosh Kumar/ Ms.Anusha B.Rao	-
6	Vulnerability of ground water by modeling method	(Dr).Deepika B V	-
7	Design of pavement surface for sustainable development using micro silica	Mr. N Madhusoodhan Rao/ Ravikumar R	-
8	Stabilization of lateritic soil using egg shell powder	Mr.Sunil Haldankar	-
9	Strengthening of lateritic soil with Geogrid inclusion	Mr.Sunil Haldankar	-
10	Feasibility study on traffic	Mr.Ravikumar R	-
11	Comparison between neat bitumen and modified bitumen with varying compaction effort and varying percentage of bitumen	Mr.Ravikumar .R	-
12	Partial replacement of coarse aggregates	Mr. Pruthvin C Shetty & Deviprakash Upadhyaya	-
13	Design of android application for curing	Mr.Pruthvin C.Shetty & Deepak Rao M	-
14	Prediction of compressive strength of concrete using Artificial neural network	Mr.Vignesh Shenoy	-
15	Comparative study of different fibrous material using rice mill effluent	Ms.Nishitha J.Dsouza	-

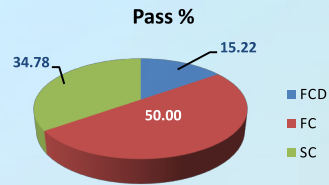


# Result Analysis of Students

## RESULT ANALYSIS OF B.E. EXAMINATION DEC 2015

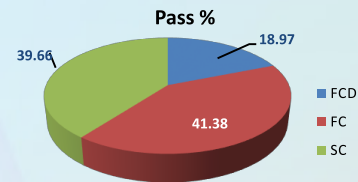
### Semester: III

Overall Result Details		
No. of students appeared for exams	71	(%)
No. of students passed in all subjects	46	64.79
No. of students with First Class Distinction	07	9.86
No. of students with First Class	23	32.39
No. of students with Second Class	16	22.54
No. of students Failed	25	35.21
No. of students failed in 2 or more subjects	06	-



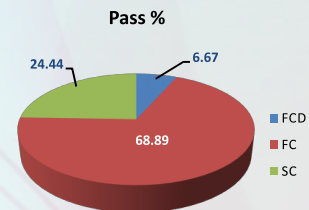
### Semester: V

Overall Result Details		
No. of students appeared for exams	73	(%)
No. of students passed in all subjects	58	79.45
No. of students with First Class Distinction	11	15.07
No. of students with First Class	24	32.88
No. of students with Second Class	23	31.51
No. of students Failed	15	20.55
No. of students failed in 2 or more subjects	08	-



### Semester: VII

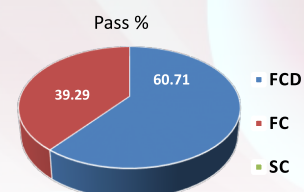
Overall Result Details		
No. of students appeared for exams	58	(%)
No. of students passed in all subjects	45	77.59
No. of students with First Class Distinction	03	05.26
No. of students with First Class	31	53.45
No. of students with Second Class	11	18.97
No. of students Failed	13	22.41
No. of students failed in 2 or more subjects	06	-



## RESULT ANALYSIS OF B.E. EXAMINATION MAY/JUNE 2016

### Semester: VIII

Overall Result Details		
No. of students appeared for exams	58	(%)
No. of students passed in all subjects	56	96.55
No. of students with First Class Distinction	34	58.62
No. of students with First Class	22	37.93
No. of students with Second Class	-	-
No. of students Failed	02	3.45
No. of students failed in 2 or more subjects	-	-



## BEST STUDENT AWARD



Ms. Snehal of VII semester, Civil Engineering Department has been awarded with Best Student Award of ISTE Karnataka section. This is a state level award presented to her during 12th ISTE Student Convention held at SDMIT, Ujire on 12th September 2016.

## MoU WITH F E DESIGNS



An MoU with a renowned civil engineering design & consultancy firm, FE Designs, Bengaluru was signed on 30 October 2015. As per the MoU, SMVITM and FE Designs have agreed to work together to provide hands-on training to the interested faculty and students of the institute on the latest design and detailing software packages like CYPE from Spain and CUBUS from Switzerland. FE Designs agreed to provide internship facilities and academic project works for the students and assured continued assistance to the institute in organizing industrial tours, workshops and placements. Mr. Amarnath S.N., Proprietor of FE Designs represented the FE Designs on the occasion.

## DESIGN OF ANDROID APPLICATION DEVICE FOR CURING AND IRRIGATION OPERATION

### A KSCST SPONSORED PROJECT



A team of final civil engineering students Mr. Rayan Benzen Nazreth, Mr. Avinash Kumar & Mr. Arjun B. K. under the guidance of Assistant Professor Mr. Pruthvin C Shetty (Civil Engg. Dept.) and Assistant Professor Mr. Deepak Rao M (Computer Science & Engg. Dept.) developed a device with which they were able to perform smart curing and smart irrigation operation. The equipment was cost effective and reduced the man power and energy wasted for the purpose of the irrigation and curing operation. Also the time and water consumption was very less which was a very bigger advantage to this project. Most importantly it gave ease and comfort to the user as the user needn't go to the site for performing the curing and irrigation operation.

The curing operation was monitored by casting two cubes and performing a comparative study between these two cubes for a period of 28 days by four different types of curing method. The most efficient was identified and was being implemented for developing android device. Then the irrigation operation was developed by taking moisture as the reference. Finally a model was cast to demonstrate the idea. The project was recognised and sponsored by Karnataka State Council for Science and Technology, Bengaluru



Department of Civil Engineering Faculty & Staff



## *Our Proud Outgoing Batch Students 2016*

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*SMVITM: WHERE VALUES & TECHNOLOGY CONVERGE*

