Annual Report

Department of Civil Engineering

S. B. Patil College of Engineering

S. B. Patil College of Engineering

Academic Year 2014-15

GAT No: 58, Village – Vangali, Pune –Solapur highway, Indapur , Pune - 413106

Vision:

To develop best skilled Civil Engineers with innovative mind and of global perspective; who help our nation to develop civil society.

Mission:

To educate the students in the sense of invention, design, employment and entrepreneurship and make them competent for successful profession.

Goals:

To educate the students in every aspect of Civil engineering so that they will serve society, nation with high ethical values and leadership.

Objectives:

To provide best education, training and to develop adequate practical skills in Civil engineering and impart moral and ethical values in students to prepare them for facing the challenges of globe.

PEO's:

1. To educate and train the students so that, they can work and contribute to the infrastructure development being undertaken by Government and private sector or any other companies.
2. To educate and train students in such a way that, they can pursue higher studies to contribute in the teaching profession/ research and development of civil engineering and other allied fields.
3. To train students in such a manner that, they should function effectively in the multicultural and multidisciplinary groups for the sustainable development and growth of civil engineering field and profession.

PO's:

1. An ability to apply knowledge of civil engineering to actual projects.
2. An ability to apply civil engineering knowledge for design, construction, operation & maintenance of infrastructure facilities.

3. An ability to function on multi-disciplinary works in engineering.
4. An ability to identify, formulates, and solves real life civil engineering problems.
5. An ability to understand the professional and ethical responsibilities.
6. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practices.

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1. Message from the chair (HOD)

Welcome to the Department of Civil Engineering at SBPCOE. The links of this website are intended to present you with general information on our vision, mission, research activities, facilities, and the special programs available to you in this department. We pride ourselves in the varied research initiatives and special programs residing in the department. The program emphasizes interdisciplinary team work, Seminars, communication skills, tools and skills for professional practice, and lifelong learning. We wish you all the best for your bright future in civil engineering.

"Learn together grow up together"

Thanking you.

2. Department Statistics

Department total Staff

Sr. No	Post	Number of Staff
1	Teaching	13
2	Non Teaching	2
3	Peon	1

Total Student in Bachelor's

Sr. No	Class	Number of Students
1	Second Year Engineering (SE)	76
2	Third Year Engineering (TE)	79
3	Forth Year Engineering (BE)	75

3. BE Project Details

Sr. No.	Project Title	Name of Guide	Remark
1	Assessment of soil properties by using bacterial culture	Dr. P.D. Nemade	
2	SWM & Root Optimization Using GIS & RS	Dr. P.D. Nemade	
3	Optimization of STP performance using Genetic Programming	Dr. P.D. Nemade	
4	Measuring cracking behavior of FRC deep beam in shear	Dr. P.D. Nemade	
5	Use of Poly Acrylic Acid as Self Curing Agent in Ordinary Concrete	Prof. N.T. Suryawanshi	
6	Productivity Improvement of Construction Activity using Work Measurement Technique	Prof. N.T. Suryawanshi	
7	Assessment properties High Performance Concrete Using Self Curing Agent	N. T. Prof. Suryawanshi	
8	Risk Management guidelines for developing countries	Prof. R. B. Ghogare	
9	Systems View of Risk Estimation	Prof. R. B. Ghogare	
10	Role of Steel Slag and Hypo-sludge in WWTP	Prof. S. S.Bansode	
11	Analysis and investigation of Sugar industrial waste water.	Prof. S. S Bansode	
12	Intelligent Transport System	Prof. P. A.Sawant	
13	Design of Intze Tank with hydro dynamic effect for SPVP, Edu Campus	Prof. V. A. Choudhari	
14	Working Model on Inflatable Gate	Prof. S. S Bansode	
15	Assessment of Pδ Effect for High Rise Building	Prof. P R Admile	
16	Use of Industrial Waste Material as Soil Stabilizer.	Prof. R.S Chavan	

4. Faculty Achievement

Sr. No	Name of the Staff	Name of the Event	Date/Period	Organized By
1.	Prof.Admile P.R.	Civil PGCON-2014	21st Jun.2014	Dr.D.Y.Patil Institute Of Engineering & Technology, Pimpri Pune
2.	Prof.Lawand M.S.	Civil PGCON-2014	21st Jun.2014	Dr.D.Y.Patil Institute Of Engineering & Technology, Pimpri Pune
3.	Prof.Gawande U.S.	Two days workshop on Effective Teaching Methodology in F.M. and Practicals	30th June to 1st July 2014	Sinhgad Institute of Technology and Science Narhe Pune
4	Prof.Choudhari V.A.	Faculty Orientation Workshop on Structural Design-1	5th July 2014	Rajarshi Shahu School of Engg.and Research ,Narhe Pune
5	Prof. Bansode S.S.	STTP on "Advanced Engineering optimization Through Intelligent Technique"	1st to 5th Dec.2014	SVNIT, Surat.
6	Prof. Bansode S.S.	Two days Training for Auditing of Quality Management System	26th to 27th Sept.2014	Shree Consultant Nashik
7	Prof.Ghogare R.B.	Two days Training for Auditing of Quality Management System	26th to 27th Sept.2014	Shree Consultant Nashik

5. Student Achievement

Student Toppers

Rank	Class	Name of the Students	Percentage
1	SE	Mastud Pradnya Gorakh Sarade Rutuja Mininath	68.33
2		Khade Rutuja Balasaheb	67.2
3		Sautade Sunil Maruti	64.33
1	TE	Quazi Sobiyaanjum M	72.86%
2		Sharma Sonukumar S	71.53%
3		Nimbalkar Dattatray B	70.13%
1	BE	Patange Shankar Prataprao	79.07
2		Bankar Akash Laxman	78.27
3		Kare Varsha Bajrang	76.47

Student Enrichment Programs

Sr. No	Name of the student	Name of the Event	Date/Period of event	Organized By	Prize Details
1	Pathan Asif	Gate 2014 Examination	15th Mar.2014	Department of Higher Education, Ministry of Human Resources Development	Gate score 26
2.	Shende Gaurav	National level event OLYMPUS 2K14	14th to 15th Sept.2014	College of engg.Pandharpur	Winner
3.	Shinde Shailendra	National level event OLYMPUS 2K14	14th to 15th Sept.2014	College of engg.Pandharpur	Winner
4.	Padte rohan	National level event OLYMPUS 2K14	14th to 15th Sept.2014	College of engg.Pandharpur	Winner
5.	Khandave sonali	National level Technical fest DISTA 2k15	9th Feb.2015	N.B.Navale Sinhgad college of engg.Kegaon,Solapur	Participation certificate

6. Departmental Activity Program

Sr. No.	Name of the Event	Conducted Date	Conducted by
01	Introduction to Software used in water resource engineering	28/08/2014	Prof. Priyanka Dhumal
02	Teachers day Celebration	05/09/2014	CESA
03	Engineers day Celebration	15/09/2014	CESA
04	One day Workshop on Advanced Optimization Through Intelligent Technique	09/12/2014	Prof. Bansode S S
05	Guest lecture on Engineering Mechanics	20-21/02/2015	Prof. Awari U A, Subject Chairman, SPPU, Pune
06	Two days workshop on " Water life and challenge"	27-28/02/2015	SWO
07	Guest lecture on Engineering Geology	28/02/2015	Dr. Sable P D, Asso. Prof., Deccan college Pune.
08	Guest lecture on Advanced Surveying	17/03/2015	Prof. R. P. Kulkarni, Symbiosis International University, Pune
09	Workshop on, "open source GIS, Quantum GIS"	20/03/2015	Aditya Kumar, K-Cube Consultancy, Chennai
10	Two week ISTE STTP on "Environmental Studies"	02-12/06/2015	NMEICT, IITB

7. Research Publication

Sr. No.	Name of Author	Title	Journal Name	ISSN	Volume, Issue, Year &Page No.
1	Nemade, P.D, Suryawanshi, N.T.	Simple electrocoagulation set up using cloth filter for arsenite removal from aqueous solution	Elixir International Journal	ISSN 2229-712X	
2	Gaikwad M.V , Ghogare R.B , Vageesha S. Mathada	Finite Element Analysis Of Frame With Soil Structure Interaction	International Journal of Research in Engineering and Technology	eISSN: 2319-1163 |	Volume: 04 Issue: 1 , Jan-2015, pp. 91-95
3	Ghogare Ram B, Bansode S.S , Prof. Desai D.B	Demand Forecasting of Equipment for National Highway Development Project Programme	International Journal of Asian Academic Research Associates AARJSH	ISSN : 2278 – 859X	Volume 1, Issue 18, December 2013,
4	Dr. Sunil S. Pusadkar, Sheetal M. Baral	Behaviour Of Square Footing Resting On Two Layered Clay Deposits	50th Indian Geotechnical Conference, Organized by College of Engineering Pune, India	-	17th – 19th December 2015
5	Admile P.R	Retrofitting & Rehabilitation of Elevated Water tank using Compression & bracing	PGCON, D.Y.Patil College of Engg.,Akurdi	-	2014
6	Mr. Nathu D.Thombare Mr. Pravin B. Shinde Prof. Vinod A. Choudhari Miss. Madhuri P. Shinde Miss. Karishma P.Yadav Mr. Rajkumar M. Madake	Seismic Analysis And Design Of Proposed Elevated Intz Type Water Tank At SBPCOE Indapur	International Journal Of Innovations In Engineering Research And Technology	ISSN: 2394-3696	Volume 2, Issue 3 March-2015, pp.1-7
7	Prashant Dhadve, Alok	Assessment of P-Delta Effect on High Rise	International Journal on Recent and	ISSN: 2321-	Volume 3, Issue 5,

	Rao, Atul Rupanvar, Deokate K., Admile P.R, Dr. Nemade. P. D.	Buildings	Innovation Trends in Computing and Communication	8169	2015, pp. 3231 - 3236
8	Dalvi Mahesh, Sapkal Vijay , Barge Tushar , Dhumal Harshan, Admile Pushkraj, Dr.Nemade Pravin	Effect On Shear In Deep Beam By Using Crimped Steel Fiber	International Journal Of Innovations In Engineering Research And Technology	ISSN: 2394-3696	Volume 2, Issue 6, June-2015,
9	Gaikwad M.V, Ghogare R.B , Nemade P.D.	Finite Element Analysis of frame with square meshing & radial meshing in Soil Structure Interaction	International Journal Of Modern Engineering Research (IJMER)	ISSN: 2249–6645	Volume 5 , Issue 3, pp. 16-22, Mar. 2015 ,
10	Parag S. Dawane , Prof. Sagar M. Gawande	Waste Management Practices in Gadhinglaj	International Research Journal of Engineering and Technology (IRJET)	e-ISSN: 2395 - 0056	Volume 02, Issue: 03 , pp.-1461-1465,June-2015,
11	Sachin Shrikant Kavathe Jayant Govindrao Kulkarni	Retempering of Concrete Made by using Artificial Sand Containing Superplastciser & Retarder	International Journal of Engineering Research & Technology (IJERT)	ISSN: 2278-0181	Vol. 4 Issue 03, pp.716-720,March-2015
12	Pravin S. Kamble, Satyajeet H. Chavan, Saurabh S. Kadam, Dada S. Malve, Tushar S. Autade, Prof. Vinod A. Choudhari	Lateral Load Analysis of a building with and without Knee Bracing	Int. Journal of Engineering Research and Application	ISSN : 2248-9622,	Vol. X, Issue X, 2015
13	Sheetal M Baral	Comparison of IS 6403:1981 and PLAXIS 2D analysis for footing resting on Two Layered Cohesive Soil System	International conference on ACMES organized by Govt. College of Amravati	-	23-24 December 2014

8. Industrial Visit Program

Sr. No	Class	SEM-I&II	Subject	Company	Date
1	FE	I	BCE	Construction Site	25/07/2014
2	BE	I	SD-III	RCC Construction of combined footing, retaining wall	06/08/2014
3	BE	I	SD-III	Pre-stressed concrete sleeper factory Mohol/Dound	20/08/2014
4	TE	I	FM-II	CWPRS Pune	30/08/2014
5	FE	I	BCE	Construction Site at SPBCOE Campus	06/09/2014
6	TE	I	IE	Construction company at Pune	06/09/2014
7	FE	I	BCE	Construction Site at SPBCOE Campus	10/09/2014
8	FE	I	BCE	Construction Site at SPBCOE Campus	10/09/2014
9	BE	I	DHS	Ujjani dam	11/09/2014
10	BE	I	CM	Construction site	12/09/2014
11	BE	II	CM	Construction site	16/01/2015
12	TE	II	EE-I	Water Treatment plant	30/01/2015
13	TE	II	SD-II	Construction site	17/02/2015
14	SE	II	Concrete Technology	Ready mix concrete plant	20/02/2015
15	BE	II	HPE	Ujjani dam	25/02/2015
16	TE	II	FE	Construction site	27/02/2015
17	BE	II	Transportation	Airport	04/03/2015
18	BE	II	Transportation	Hot Mix Plant	20/03/2015

Department of civil Engg. has organized one day workshop on "advanced Engineering optimization through Intelligent Technique" which was co-ordinate by Prof. Bansode S.S. and conductedon9thDec.2014.

Fig 1. Workshop on "Advanced Engineering optimization through Intelligent Technique" conducted on 9th Dec.2014.

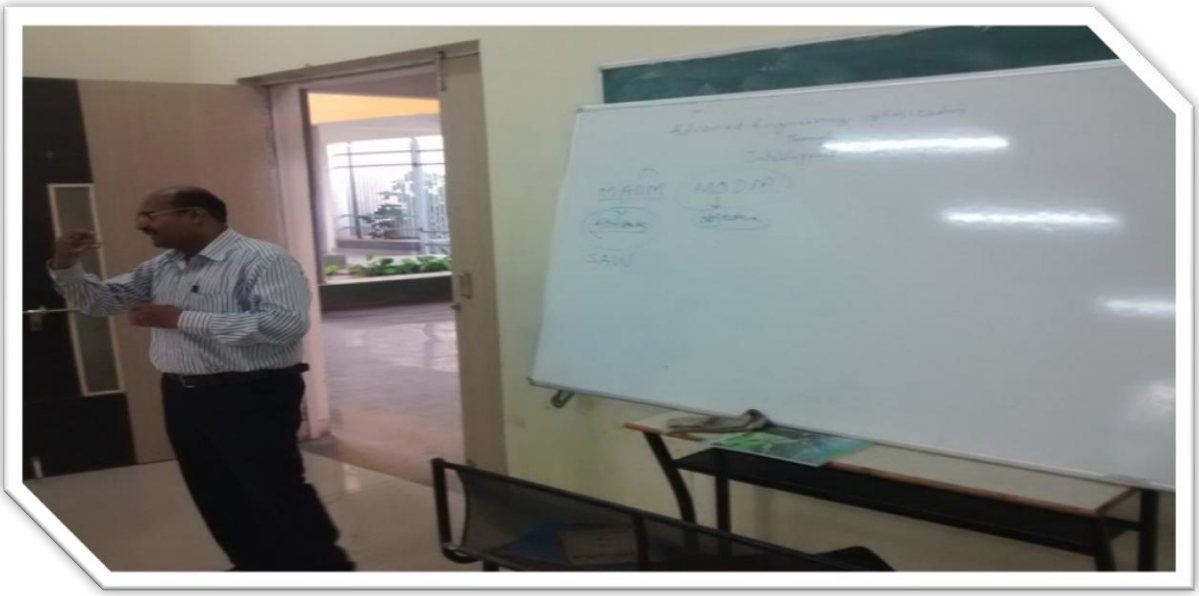

Fig 2. Workshop on "Advanced Engineering optimization through Intelligent Technique" conducted on 9th Dec.2014.

Prof. Choudhari V. A. & Prof. Ghogare R. B. arranged Educational visit to Precast Concrete sleeper manufacturing factory at Mohol with B.E. Civil Students to study basic concept, Principle, losses in prestressed concrete on 18th Sept.2014.

Fig 3. Visit to Precast Concrete sleeper manufacturing factory at Mohol with B.E. Civil on 18th Sept.2014.

Prof. Bansode S.S., Prof. Choudhari V. A., Prof. Lawand M.S. visited to STP at Kasarwadi, PCMC with B.E. civil students for study of working of various units involved in municipal Sewage treatment plant on 12th Sept.2014.

Fig 4. Visit to STP at Kasarwadi, PCMC with B.E. civil on 12th Sept.2014.