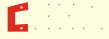




Sanjay Ghodawat Group of Institutions

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Annual Newsletter Vol.:01 2018-19



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DEPARTMENT OF CIVIL ENGINEERING

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About Department

The educational mission of the Civil Engineering undergraduate program is to provide students with an multidisciplinary curriculum that is fundamental, yet broad and flexible, to produce graduates who are well-grounded in mathematical, scientific, and technical knowledge; have the ability to analyze, evaluate, and design civil engineering systems; have the ability to communicate effectively; have had meaningful opportunities for undergraduate research; and who have acquired an understanding and appreciation for global and societal issues and are thus prepared for a career path toward leadership in industry, government, and academia.

Vision



To impart quality education in civil engineering and technology that enables students to improve societal living with sustainable development

Mission

Our Mission



To provide students with value based Quality Education in Civil Engineering by:

- To provide students quality education in civil engineering that prepares them for the practice at the professional level with values and ethics to meet the technical and social challenges of the future
- To establish centre of excellence in the field of civil engineering and allied research.
- To provide knowledge base and consultancy services to the community in all areas of civil engineering.
- To promote innovative and creative thinking in the minds of budding engineers to face the challenges of sustainable development and entrepreneurship.

One Week STTP on Structural Design of RC Multi storied Buildings on (3rd - 7th July 2017)

This STTP was found very helpful for fresh graduates of Civil Engineering, inspiring for Structural Consultants, faculty of Civil Engineering to teach the subject design of RC Structures more confidently and to enhance industry academia interaction with practicing consultants



Prof. J.P. Patankar Delivering Lecture on Design of RC Columns Subjected to Moments during One Week STTP on "Structural Design of RC Multi storied Buildings"



One Week STTP on "Structural Design of RC Multistoried Buildings", Valedictory Function

Resource Persons:

- Dr. A. B. Kulkarni. RCC Consultant & Professor, Walchand. College of Engg., Sangli
- Mr. J. P. Patankar. Professor, Walchand. College of Engineering, Sangli.
- Er. Mukul Parikh. RCC Consultant, Sangli.
- Mr. Pranav A. Kulkarni. RCC Consultant, Sangli.
- Mr. Prashant Hadkar. RCC Consultant, Kolhapur.
- Mr. Sachin Paranjpe. RCC Consultant, Kolhapur
- Dr. S. M. Shiyekar. C.O.E., SGU, Atigre
- Dr. N. K. Patil. H.O.D., SGI, Dept. of Civil Egg.
- Mr. V. G. Khurd. Assistant .Professor, SGI, Dept. of Civil Egg.

Inaugural Function of Environmental Club (5th June 2017)

The environmental club of SGI gives platform to students to identify environment related issues and provide effective solutions. Channeling student energy and enthusiasm thorough environment club will help to develop leadership quality in students. Vision of Environmental Club is "Initiative for environmental conservation and sustainable development". This environmental club will help us to identify environmental problems/issues and provide effective solutions to help government, industry and society, also to Educate students' community and society for betterment of environment and Organize public awareness programs such as recycling techniques, save water campaigns, hygiene campaigning, anti-littering. The club will Participate and support government programs such as Swacchha Bharat Abhiyan, Jalyukta Shivar etc.

The environment club was inaugurated in the presence of Mr. S.S. Shinde (Executive Engineer, Water Supply Department, Kolhapur Zilla Parishad) as the chief guest. Dr. B.M. Hirdekar (Hon. Registrar SGU), Dr. M.R. Shiyekar (Head, Civil Engineering Department), all teaching and non-teaching staff were present during the inaugural function. Mr. S.S. Shinde discussed present scenario of Panchganga Pollution and expected remedial measures through PowerPoint presentation and short films.



Activities Under Environmental Club

Tree plantation in the campus for the occasion of World Environment Day on 05th June 2017. Hon. Vice Chancellor Dr. V.A. Raikar, Hon. Director Dr. V.V. Kulkarni, teaching staff and guests from Shivaji University were present during the plantation program. ➤➤



◀◀ Visit to Mudhewadi Village Student visit was organized for environmental awareness as well as village survey to understand social issues on 30th July, 2017.

Guru Purnima-2017 (10th July, 2017)

The word "Guru" in Sanskrit is translated as "dispeller of darkness." Hence the Guru dispels the darkness of ignorance and leads the aspirants on the path to enlightenment. The day of Guru Purnima is traditionally the time when seekers offer the Guru their gratitude and receive his blessings. Guru Purnima is also considered an especially beneficial day to practice yogic sadhana and meditation.

Guru Purnima marks one of the greatest moments in the life of humanity. This is a day that is reminiscent of Adiyogi opening up and offering the possibility that a human being can evolve beyond all limitations set by his physical nature, if willing to strive. This first full moon day after the solstice is a time when this planet and all life upon it are most receptive to the cosmic energy and possibilities. The next six months till the winter solstice is the best time to strive for evolving and experiencing the divine possibility that is innate in a human being.

Guru Purnima was celebrated by Civil department on 10 July 2017 for all SE, TE & BE students. The function was inaugurated by Dr. S.M. Shiyekar HOD, Civil dept. and Other faculty member. Welcome speech was delivered by Dr. S.M. Shiyekar HOD, Civil dept senior faculty member Dr. N.K. Patil guided students about the importance of teachers. Also motivational speech of Ramchandra Shoba Rajvaibhav was arranged by department for student. All faculty were felicitated by offering plant saplings.



Inauguration of Institutional Membership of Indian Geotechnical Society (IGS) (14th July, 2017)

Our civil engineering, SGI, Atigre has taken an Institutional Membership of Indian Geotechnical Society (IGS). The inauguration of same was held on 14th July 2017 by the auspicious hands of Mr. Shekhar Vaishampayan, Director, Sub-surface Consultants, Mumbai.

Two more events were organized on the same day by department for the benefits of students and faculty. Dr. A.D. Katdare welcomed the chief guest, Head, Dept. of Civil engineering, faculties and students. He also gave a brief about the benefit of membership and signing of MoU. A guest lecture was conducted by Mr. Shekhar Vaishampayan about "Practical Knowledge of Foundation Engineering in

Civil Industry". The guest also shared his experience in field with different project throughout India and also guided the faculty and students with their queries.

The guest also signed MoU with Sanjay Ghodawat Group of Institutes for the benefit of students and faculties. He also assured of assistance for students final year projects and mid-term internship for students.

All faculty and students of department of civil engineering actively participated in the event and made it a grant success. The students were very happy and grateful to the department. The students also expressed that many such events should be conducted. The event was concluded by proposing vote of thanks.



Inauguration of Student Chapter of Indian Institution of Bridge Engineers, Pune (10th August, 2017)



The Department of Civil Engineering, SGI, Atigre has taken Institutional Membership of Indian Institute of Bridge Engineers. The inauguration of same was held on 10th August, 2017 by the auspicious hands of Mr. V. R. Phadke, Senior Consultant, IIBE, Pune in the presence of Head, Dept. of Civil Engineering, faculty and students.

Indian Institution of Bridge Engineers is non-exclusive forum to exchange ideas and knowledge of bridge engineering. It has Institution of Engineers which is conglomerate

of all engineering. Indian Institution of Bridge Engineers has provided exclusive platform to Bridge Engineers for dissemination of knowledge / new developments in Bridge Engineering.

MISSIONS of IIBE'S are Bridging the Gaps - Inter-Continent & Intra-Continent and Building Bridges of Camaraderie, Understanding, Friendship and Co-operation among Engineers not only of India but of the World.

The Institution provides platform to have interaction of knowledge & experience with the seniors, experts etc. The programmes of the Institution helps members in updating their knowledge which otherwise is becoming obsolete. Various activities like library, seminars, courses etc. also help the members developing their personality. The Institution also provides the members an opportunity through such programmes to sharpen their skills to face real life situations. All faculty and students of department of civil engineering actively participated in the event.

SGI Foundation Day (10th August, 2017)

On account of SGI Foundation Day on 10th of August' 2017, quiz competition was conducted in Department of Civil Engineering for students for second and third year. The inauguration of the event was done by auspicious hands of HOD. All the faculty and students of the department were present for inauguration.

The quiz competition was held in three rounds out of which first round was based on general knowledge, second on aptitude and third round on technical knowledge. Students actively participated in the event and made it a grand success and expressed their gratitude towards the department. Students wished that more such events should be organized so that the students could get exposure for such competitions. The program was concluded with distributing the prizes for first, second and third rankers

- and vote of thanks proposed by CESA co-ordinator Mr. Deepak Gunjagi. Prasad Patil & Harshvardhan Patil got first rank, Akash Kamble , Ravindra Lohar got second rank and Amol Jadhav & Shubham Balip got third rank in quiz competition

Mini-Conference-2017 (10th August, 2017)

On account of SGI Foundation Day on 10th of August, 2017 two events were organized for students of Department of Civil Engineering.

For the students of Final year civil engineering, a mini-conference was conducted at SGI, Civil Department where students could get exposure for preparation of research papers and its time bound presentation before the committee. The one page summary of students projects were published in proceedings of “Mini Conference on Civil Engineering” based on final year UG project for academic year 2017-18.



The event was inaugurated by the auspicious hands of Mr. Phadke from Pune in the presence of Dr. Suhasini Mhadekar, Dr. Sunil Shastri all from Pune and also in the presence of HOD, faculty and students of department of civil engineering. All the guest were glad that the department took such an initiative for the students and wished to conduct such events at their institutes. The students securing ranks based on mini-conference will be receiving research grant for conducting their projects the academic year.

Orientation Induction Program-2017 (4th Oct. 2017)



An orientation program for the new entrants at the Faculty of Civil Engineering was organized on 4th Oct 2017 under the department of Civil Engineering . The program focused on apprising the Engineering candidates about the developments, scope and future prospects of engineering as a profession. The occasion was graced by the presence of the Director of SGI Dr. V.V. Kulkarni, Faculty of engineering, Dr. Patil N. K. , the HOD of the Civil engineering department , Dr. Shiyeekar S.M., (Controller of Examination, Sanjay Godawat University and Professor of Civil

Engineering Department).

The HOD welcomed the students and apprised them about the working, the examination system, attendance criteria and other aspects of the Faculty. He presented visions of institute. He also gave a brief outline of the various avenues open for students at the faculty and outside after graduating from the institution.

Prof S.M. Shiyeekar shared with the students the various welfare schemes available at the institute and institute's commitment towards delivering quality education. Moreover he emphasized that the campus is committed to be “Ragging free, alcohol-smoke free and student council free” and practices a zero tolerance towards indiscipline of any kind. He also highlighted the salient features of his own department, its working and scope. Prof. D. A. Gunjagi, presented a brief about her department and shared her vision for its future course.

Prof. A. A. Lole, who is also responsible for placements and training, talked to the students about

the advancements which are happening in the professional field, as also his own department's contribution towards it.

The program ended with a welcome function of second year students of Civil and various cultural activities and programs. The program was attended by about 350 students and ended on a very positive note with a vote of thanks given by Prof. S.S. Shinde.

Expert / Guest Lectures for the Students

- A guest lecture was arranged for BE Civil students on 25th July, 2017. Resource person for the guest lecture was Dr. Pranesh Murnal, on the topic “Earthquake Resisting Buildings”.
- A guest lecture was arranged for TE Civil students on 10th August, 2017. Resource person for the guest lecture was Dr. Sameer Shastri, on the topic “-Waste Water Management”.
- A guest lecture was arranged for BE Civil students on 10th August, 2017. Resource person for the guest lecture was Dr. Suhasini Madekar, on the topic “Base Isolation”.
- A guest lecture was arranged for SE Civil students on 10th August, 2017. Resource person for the guest lecture was Mr. V. R. Phadake, on the topic “Career Guidance”.
- A guest lecture was arranged for TE Civil students on 21st August, 2017. Resource person for the guest lecture was Mr. Shivaji Nerli, on the topic “Value Education & camp; Environmental Science for Personality Development”.
- Seminar on “Practical Guidelines for Durable Concrete” on 8th September, 2017 at Sanjay Ghodawat Group of Institution, Atigre, Kolhapur, Maharashtra, India presented by Dr. N.V. Nayak, Principal Advisor, Gammon Engineers and Contractors Private Limited, India and author of popular book 'Foundation Design Manual'.



Sanjay Ghodawat Group of Institutions (SGI) Students Chapter of American Concrete Institute (ACI) was organized a seminar on “Practical Guidelines for Durable Concrete” on 8th September, 2017 at Sanjay Ghodawat Group of Institution, Atigre, Kolhapur, Maharashtra, India presented by Dr. N.V. Nayak, Principal Advisor, Gammon Engineers and Contractors Private Limited, India and author of popular book 'Foundation Design Manual' and co-author of the “Handbook on Advanced Concrete Technology” and “Sustainability of Concrete”

Dr. N.V. Nayak delivered various aspect of practical guideline on how to make durable concrete such as use of supplementary cementing materials (SCM), Indian innovations of Alcofine and Ultrafine Fly Ash, curing of concrete and permeability of concrete referring with few case studies. Dr. N.V. Nayak also emphasize on importance of 24 x 7-day curing, few case studies related to 24 x 7-day curing and advancement in concrete technology due to chemical admixtures were discussed. The storage, saturation points of admixture, robust admixture points were highlighted during the seminar.





Dr. Nayak also visited Geotechnical Engineering and Concrete Technology laboratory of SGI and interacted with PG and UG student regarding good practices in making good and durable concrete. He also discussed ongoing projects of UG student and motivated students for innovation in the field of concrete technology. Finally, Mr. Chetan S. Patil, Faculty Advisor, SGI Students Chapter of ACI expressed vote of thanks.

- A guest lecture was arranged for SE, TE Civil students on 29st September, 2017. Resource person for the guest lecture was Mr. Pritam Mali, on the topic “Introduction to Project Management Software”.
- A guest lecture was arranged for BE Civil students on 29st September, 2017. Resource person for the guest lecture was Mr. Hemant Jain, on the topic Recent Manifestation of concrete”.

Co-curricular activities

- A lecture was arranged for BE Civil students under Co-curricular activity and VAT cell on 07th August, 2017. Resource person for the lecture was Ms. Priti More, on the topic “GRE TOFEL Guidance”.
- Entrepreneurship Awareness Camp - 18 th to 20 th July 2017 - BE students.
Resource Person: Dr. Sandeep Patil, Mr. S.N. Hirikude, Mr. Sandip Mirajkar, Mr. P.L. Bharmal, Mr. V.G. Khurd, Dr. Abid Salati.

Value Added Training Programs

- Introduction to STAAD Pro -20/09/2017 Conducted for UG student.
- Introduction to SAP 2000: 21 - 23/09/2017 Conducted for UG & PG student.

Industrial / Site Visits

- Warnali - Sangli – Technological – on 26th August, 2017 our TE Civil students visited Warnali irrigation station. Student got information regarding various rain gauge station. This visit was carried out under the guidance of Dr. N.K. Patil, Mr. S.R. Kadam, Mr. S.B. Kore, Mrs. K.A. Sutar, Mr. B.D. Pore.
- Aurangabad- Ellora – Advance Engineering Geology -on 18th and 19th August, 2017 our BE Civil students visited places having Engineering Geological importance on road cutting and hilly regions. This visit was carried out under the guidance of Mr. A.A. Lole which covered Spot Survey, Field work Geological sample Collection at Khuldabad, Daultabad Fort, Aurangabad, Ellore caves.
- Puikhadi- Kolhapur- Environmental Engineering on 12th Sept., 2017. Our TE Students visited Water Treatment Plant. Students got information regarding WTP units. This visit carried out under the guidance of Mrs. K.A. Sutar.

Faculty Achievements / Faculty Activities

- Bavane Nikhil U. participated STTP on "Structural Design of RC Multistoried Building" organised by Dept. of Civil Engg. SGI, Atigre and ACI, at SGI, Atigre on 3-7 July, 2017.

- Pendari Mohd Ali participated STTP on “Structural Design of RC Multistoried Building” organised by Dept. of Civil Engg. SGI, Atigre and ACI, at SGI, Atigre on 3-7 July, 2017.
- Desai Ravindra M. participated STTP on “Structural Design of RC Multistoried Building” organised by Dept. of Civil Engg. SGI, Atigre and ACI, at SGI, Atigre on 3-7 July, 2017.
- Patil Vishawas S. participated STTP on “Structural Design of RC Multistoried Building” organised by Dept. of Civil Engg. SGI, Atigre and ACI, at SGI, Atigre on 3-7 July, 2017.
- Patil Nitish M. participated STTP on “Structural Design of RC Multistoried Building” organised by Dept. of Civil Engg. SGI, Atigre and ACI, at SGI, Atigre on 3-7 July, 2017.
- Katdare Amey D. participated STTP on “Structural Design of RC Multistoried Building” organised by Dept. of Civil Engg. SGI, Atigre and ACI, at SGI, Atigre on 3-7 July, 2017.
- Kadam Swanand R. participated STTP on “Structural Design of RC Multistoried Building” organised by Dept. of Civil Engg. SGI, Atigre and ACI, at SGI, Atigre on 3-7 July, 2017.
- Kamble Rohit P. participated STTP on “Structural Design of RC Multistoried Building” organised by Dept. of Civil Engg. SGI, Atigre and ACI, at SGI, Atigre on 3-7 July, 2017.
- Katdare Amey D. participated STTP on “Structural Design of RC Multistoried Building” organised by Dept. of Civil Engg. SGI, Atigre and ACI, at SGI, Atigre on 3-7 July, 2017.
- Shinde Swastik S. participated STTP on “Structural Design of RC Multistoried Building” organised by Dept. of Civil Engg. SGI, Atigre and ACI, at SGI, Atigre on 3-7 July, 2017.
- Kore Shripad B. participated STTP on “Structural Design of RC Multistoried Building” organised by Dept. of Civil Engg. SGI, Atigre and ACI, at SGI, Atigre on 3-7 July, 2017.
- Patil Chetan S. participated STTP on “Structural Design of RC Multistoried Building” organised by Dept. of Civil Engg. SGI, Atigre and ACI, at SGI, Atigre on 3-7 July, 2017.
- Kore Shripad B. Completed 8 week Course (nptel online course) “Principles of Construction Management” organised by IIT Kanpur.
- Patil Nitish M. Completed 8 week Course (nptel online course) “Principles of Construction Management” organised by IIT Kanpur.
- Sutar Kishori A. Completed 8 week Course (nptel online course) “Integrated Waste Management for a Smart City” organised by IIT Kharagpur.
- Dr. Patil Nandkumar K. felicitated by State level “Vishesh Sevashree-2017”, Award Business Express Shree Foundation.
- Patil Chetan S. felicitated by “Dr. Khalid Award”, President ACI, for mentoring students on Concrete Mix design.

Faculty Publication

- V.S. Patil and S.N. Tande published paper on "Development of seismic fragility curves for mid-rise masonry infilled reinforced concrete building by incremental dynamic analysis" Journal of Structural Engineering, Vol. 44 No. 4, October 2017, 44-29.

- A. A. Lole, M. A. Patel, S. S. Gandhi published paper on "Preview of Landslide in Western Ghat" at International Journal of Engineering Technology Science and Research IJETSR Volume 4, Issue 10 October 2017, 130-132.
- S.B. Kore, S.S. Gandhi, M. A. Patel published paper on "Alternative Method for Desalination of Seawater" at International Journal of Engineering Technology Science and Research IJETSR Volume 4, Issue 10 October 2017, 133-135.
- V. G. Khurd, K.S. Balwan, S.S. Chougule published paper on "Study Of Bridge Deck A Review" at International Journal of Research Publications in Engineering and Technology [IJRPET] Volume 3 Issue 9, Sep. -2017, 23-25.
- K.S. Balwan, V. G. Khurd, S. S. Chougule published paper on "To Study The Responses Of Bridge Deck For Various Skew Angles" at International Journal of Research Publications in Engineering and Technology [IJRPET], Volume 3 Issue 9, Sep. -2017, 35-37.
- A.S. Manjarekar, A.S. Dixit published paper on "Ferrocement Technology used for Gutter Construction " at International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 5 Issue VII, July 2017, 1365-1378.
- A.S. Manjarekar, A. S. Dixit published paper on "To Study Strength Parameters of Fly Ash Based Geopolymer Concrete" at International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 5 Issue VII, July 2017, 1355-1364.
- A.S. Manjarekar, Ravi D. Gulpatil, Vivek P. Patil, Ranjit S. Nikam, Chetali M. Jeur published paper on "Utilization of Plastic Waste in Foundry Sand Bricks" at International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 5 Issue III, March 2017, 1114-1119.
- A.S. Manjarekar, Prof. V.G. Khurd, Prof. C.S. Patil, Pritam Joshilkar published paper on "Traffic Analysis of a Twin City" at International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 5 Issue III, March 2017, 874-878.
- V.S. Patil, Milind Waghmare published paper on "Effect of Presence of Infills in Ground Storey on Seismic Performance of R.C. Buildings" at International Research Journal of Engineering and Technology (IRJET), Volume: 04 Issue: 11, Nov -2017 pp1175-1178.
- D.A. Gunjagi, N.M. Patil, S.B. Patil, S.B. Kore published paper on "Assessment of Geotechnical Properties of Black Cotton Soil Blended with Lime and Fly-Ash" at International Journal for Research in Applied Science & Engineering Technology (IJRASET) Volume 5 Issue 11, November 2017, pp5018-5023.
- A D Katdare published paper on "Effect of Depth and Shape of Footing on Bearing Capacity of Soil Near Atigre, Kolhapur, Maharashtra" at International Journal for Research in Applied Science & Engineering Technology (IJRASET) Volume 5 Issue 11, November 2017, pp4032-4033.
- V.S. Patil, Yogesh Jadhav, published paper on "Effect of User Defined Plastic Hinges on Nonlinear Modelling of Reinforced Concrete Frame for Seismic Analysis" at International Research Journal of Engineering and Technology (IRJET) Volume: 04 Issue: 12, Dec-2017 pp 28-32.
- P.G. Nidoni published paper on "Incineration Process for Solid Waste Management and Effective Utilization of by Products" at International Research Journal of Engineering and Technology (IRJET) Volume: 04 Issue: 12, Dec-2017, pp 378-382.

- C.S. Patil ,R S. Shreshthi published paper on "Strength of Reinforced Concrete Beam Using Dual Grade Concrete" at Asian Journal of Science and Technology, Vol. 08, Issue, 11, November, 2017 pp 6598-6604
- V.G. Khurd, A.S. Dixit, published paper on "Nonlinear Flexural behavior of Post Tensioned beam" at International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 5 Issue 11, November 2017, pp 1839-1847
- A.A. Koshti published paper on "Behavior of Reinforced Concrete Building with Underground Storey's" at International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 5 Issue 12 December 2017, pp 1839-1847
- A.S. Manjarekar published paper on "Construction Safety Management" at International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 5 Issue 12, December 2017, pp 2137-2145
- K.A. Sutar, Sameer Shastri published paper on "Grey Water Management by using Stabilization Ponds" at IJSRD - International Journal for Scientific Research & Development| ,Vol. 5, Issue 10, 2017 Vol. 5, Issue 10, 2017, pp 639-641
- S.S. Shinde published paper on "Experimental Study Of Tensile Strength Of Concrete With Partial Replacement Of Natural Sand With Manufactured Sand" at International Research Journal of Engineering and Technology (IRJET)

Student Publications

- M. A. Patel, A. A. Lole, S. S. Gandhi published paper on & quot; Preview of Landslide in Western Ghat" at International Journal of Engineering Technology Science and Research IJETSR Volume 4, Issue 10 October 2017, 130-132.
- S. S. Gandhi, S. B. Kore, M. A. Patel published paper on & quot; Alternative Method for Desalination of Seawater" at International Journal of Engineering Technology Science and Research IJETSR Volume 4, Issue 10 October 2017, 133-135.
- K.S. Balwan, V. G. Khurd, S. S. Chougule published paper on & quot; To Study The Responses Of Bridge Deck For Various Skew Angles" at International Journal of Research Publications in Engineering and Technology [IJRPET], Volume 3 Issue 9, Sep. 2017, 35- 37.
- A.S. Dixit, A.S. Manjarekar published paper on & quot; Ferrocement Technology used for Gutter Construction " at International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 5 Issue VII, July 2017, 1365-1378.
- A.S. Dixit, A.S. Manjarekar published paper on & quot; To Study Strength Parameters of Fly Ash Based Geopolymer Concrete" at International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 5 Issue VII, July 2017, 1355-1364.
- Milind Waghmare V.S. Patil published paper on "Effect of Presence of Infills in Ground Storey on Seismic Performance of R.C. Buildings" at International Research Journal of Engineering and Technology (IRJET), Volume: 04 Issue: 11, Nov-2017 pp1175-1178.
- Yogesh Jadhav, V.S. Patil published paper on "Effect of User Defined Plastic Hinges on Nonlinear Modelling of Reinforced Concrete Frame for Seismic Analysis" at International Research Journal of Engineering and Technology (IRJET) Volume: 04 Issue: 12, Dec-2017 pp 28-32.

- R.S. Shreshthi, V. S. Patil published paper on "Strength of Reinforced Concrete Beam Using Dual Grade Concrete" at Asian Journal of Science and Technology, Vol. 08, Issue, 11, November, 2017 pp 6598-6604
- A.S. Dixit, V.G. Khurd published paper on "Nonlinear Flexural behavior of Post Tensioned beam" at International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 5 Issue 11, November 2017, pp 1839-1847.

UG Wings

- Winners of on “IC-ACI Students Cube Testing Competition-2017”

Student of Civil Engineering Department of Sanjay Ghodawat Group of Institutions (SGI) got all three first positions in IC-ACI Student Cube Testing Competition 2017. First Position – Avadhut C. Chindarkar, Second Position – Tushar Katarak, Third Position – Omkar B. Jadhav.

American Concrete Institute (ACI) President, Mr. Khaled Walid Awad, personally felicitated the student winners and Mr. Chetan Patil for mentoring student for of the Concrete Cube Test Competition in the International Conference on 'Repairs, Retrofitting and Forensic Engineering of Built Structures' on 24th and 25th November 2017 in Mumbai, organised by ICACI.

The conference was informative and discussed cost effective tools and techniques to undertake the repair and rehabilitation of deteriorated concrete structure with case studies.



- Mr. Shreyansnath Dhanal (TE Civil) has successfully completed course of study offered by IITBombayX on “Basic 3D animation using blender”
- Mr. Shreyansnath Dhanal (TE Civil) has successfully completed “Certified Professional Course on digital marketing” offered by Institute for design of electrical measuring instruments.

PG Wings

Following students were completed Masters in Structural Engineering.

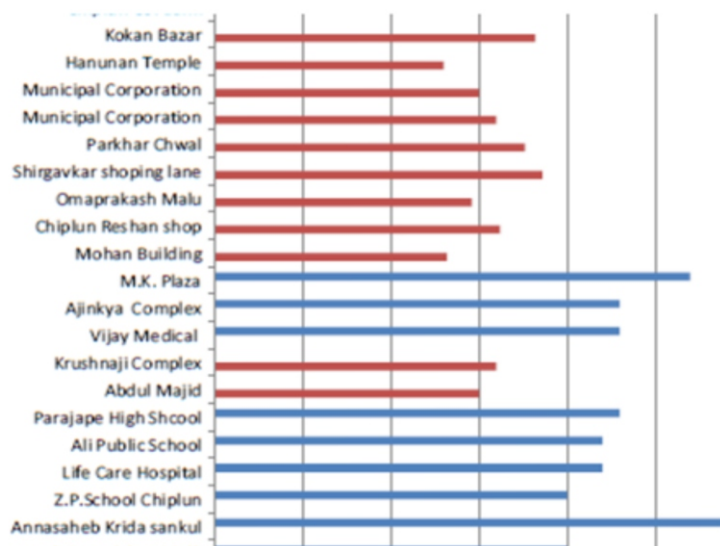
Name of student - Mr. Shivakant Swami

Name of Guide - Prof. V.S. Patil, Department of Civil Engineering, SGI

Title of Thesis - Rapid visual screening of buildings for potential seismic hazards- A case study of Chiplun city.

Publication status - Published a paper in, International Research Journal of Engineering and Technology (IRJET) Volume 4, Issue 7, July 2017. S. NO: 493, with title, “Rapid visual screening of buildings for potential seismic hazards- A case study of Chiplun city”.

Abstract - A methodology for rapid visual screening (RVS) of buildings for Indian seismic conditions has been developed. A new form required for RVS, has been developed. This form is calibrated by comparing it with FEMA154-2003 document. Developed methodology is applied to evaluate the seismic performance of group of buildings in Chiplun city. About 50 buildings from the central part of the town have been surveyed. It has been observed that 41 buildings are in good conditions and will perform in better way in future earthquake. Nine buildings are recommended for detailed evaluations.



Name of student - Mr. Patil Siddarth S.

Name of Guide - Prof. Khurd V.G., Department of Civil Engineering, SGI.

Title of Thesis - Dynamic response of concrete pavement resting on elastic foundation subjected to moving loads.

Publication status - Published a paper in International Journal of Innovative Research in Science, Engineering & Technology, Volume 5, Issue 8, August 2016, with title, “A Study of Static Response of Concrete pavement resting on Elastic Foundation”.

Abstract - The Rigid concrete pavements are now a day becoming more popular in India because of

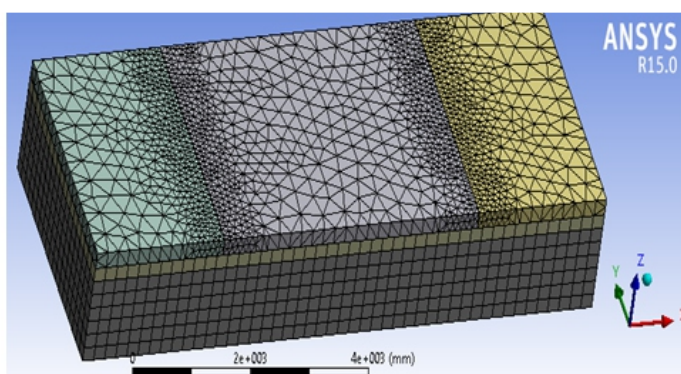
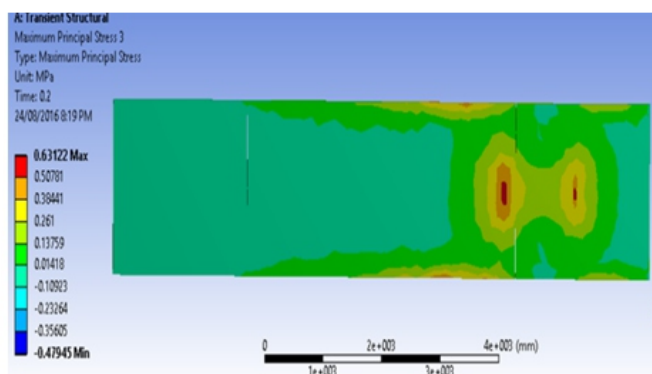
steep rise in the cost of bituminous construction. The conventional methods of rigid pavement Analysis and design are based on the closed-form solutions obtained from the static analysis of infinitely long plates resting on an elastic foundation. A Vehicular loading is commonly modeled as static loads in concrete pavement design guidelines although it has a dynamic nature. The effect of the moving load on the stresses developed is studied by several researches.

The Three Dimensional Finite Element (3D-FE) modeling is best tool that can be used to investigate the combined effect of concrete slab geometry, dowel bars at transverse joint, moving axle loads, stiffness of foundation layers on the stresses and deflections induced in rigid pavement.

OUTCOME:

Peak stresses, strains as well as deflection are increased by increasing axle loads for dynamic analysis. The axle speed has very negligible effect on Pavement response.

3D-FE modeling using ANSYS can be applicable as a reliable tool for analysis of concrete pavement under both static and dynamic loading.



Placement Report 2016-17

Company Name	Selected Student Name	
Esaplling Pvt. Ltd., Pune	1. Shivraj Deshmukh	
Vistacore Consultant	1. Redekar Pramod Shankar 2. Kodole Suraj Mahavir 3. Sumit Pujari 4. Patil Akshay Ajit 5. Handifod Pradeep Tukaram	6. Ambi Kishor Chandrakant 7. Potale Prafull R. 8. Naykavdi Sunil Channappa 9. Prathmesh Shinde 10. Amit Wanjari
Q-Spider	1. Chugani Rakesh 2. Chawla Ram 3. Hattgine Tejaswini	
Swift Infocom	1. Chaitali Jeur	

Forthcoming Events

- Concrete Fest 2018 - 12th Feb to 17th Feb., 2018.
- MOU with CALQUAN, Pune.
- Formation of chapter of Indian Concrete Institute- Feb., 2018.
- Life membership of Water Resource Dept., Nashik.
- Workshop on Repair and Strengthening of concrete Structure 16th - 17th Feb., 2018.

VAT

* RCC Design by STAAD PRO for B.E Student 12nd & 13 th Jan. 2018.

* Steel Design for STAAD PRO for T.E. Students 9th & 10 th Jan. 2018.

* Introduction to ABACUS for M.E. Students 2nd Feb., & 3rd Mar. 2018.