



NARASARAOPETA
ENGINEERING COLLEGE

(AUTONOMOUS)

TECHNICAL MAGAZINE **STAPATHI**

JANUARY TO JUNE 2018

Department of

CIVIL ENGINEERING

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M.Tech.
HOD - Civil

NEEC

Department of Civil Engineering

Dreamt it We Built it!



Vision

- To strive for excellence with high technical competences empowered with research based challenges in the field of civil engineering to promote sustainable development.

Mission

- To make the department as hub of excellence by offering good research oriented learning environment.
- To promote innovative logical thinking among the students to face new challenges and real time problems in Civil engineering
- To provide quality based consultancy services to the communities for the

New Trends in Technology



UNDER GROUND METRO RAILWAY has having very high investment cost but the overall life cycle cost of it is very less and it has many advantages : Additional traffic capacities were provided for individual transport Relief from traffic congestion was achieved.

Time savings in transport were achieved. Noise levels were brought to acceptable levels pollution (esp. air pollution) was reduced. Architectural & Service quality of urban environment was improved. Safety and security in urban environment was improved. Operation and maintenance cost of underground system

weather conditions. Underground metro system is very useful in the cities which have dense population. Underground metro electrification system has less number of components and very simple design structures as compare to over head electrification system. Underground metro projects are easily funded by World Bank.

Faculty Focus

* Dr.Vijayan Gurumurthy Iyer has Published a paper entitled "Total quantity management in educational sector and its implementation framework towards sustainable national development" in Institute of Engineers(India) Technical volume proceedings of 32 Indian engineering congress In Theme entitled "Innovation in Engineering: Competitive Strategy Perspective" (ISBN: 978-93-86724-29-8)

* Dr.Vijayan Gurumurthy Iyer has published a paper entitled "Environmental Health Impact Assessment Process for Industrial Concrete Batching Plant Project", In Abstract Book of the 4 th World Conference on Psychology Sciences Organized by Academic World Education and Research Center at Thessaloniki, Greece , PP 11.

* Dr.Vijayan Gurumurthy Iyer has published a paper entitled " Strategic Environmental Assessment (SEA) Process and Environmental Impact Assessment (EIA) Process for Concrete Batching Plants", In Abstract of 5th Global Congress on Renewable Energy and Environment (REE2017) organized by Academic World Education and Research Center , PP 24.

* Dr.Vijayan Gurumurthy Iyer has published a paper entitled "Total quality management in educational sector and its implementation formwork towards sustainable international development" in Advances in Computer Science Research (ACSR) 2018 in international conference on computer science, electronic and communication engineering. Feb 7-8, 2018, Wuhan China <http://www.csce.2018.org/>.(print)

* G. Babu Rao published paper entitled "suitability of groundwater for irrigation purpose in the Ipur and Rompicherla mandals of the Gudur District, Andhra Pradesh" in (IJCRT) UGC approved Journal Volume 6 Issue 1 March 2018, ISSN: 2320-2882, Impact Factor: 5.97

* D. Nagaraju published paper entitled "Design of the Pipe Line System for The Replacement of Existing Deteriorated Pipe Line Network" in International Journal for Research in Applied Science & Engineering Technology (IJRASET) Volume 6 Issue III, March 2018- ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 6.887

* K. N. Lakshmaiah published a paper entitled "Investigation on Partial Replacement of Cement with Coir Fiber (CF) & Jute Fiber (JF) and with Addition of Admixture" in IJRSET Journal Volume 6 Issue III, March 2018

* K. N. Lakshmaiah published a paper entitled "Seismic analysis of multistory building (soft storey) with comparison of IS codes & ACI codes using ETABS" in IJESC Volume 8 Issue III, March 2018.

* G. Babu Rao and S. Kanakambara Rao has published a paper entitled "Defluoridation of groundwater's of Darsi mandal, Prakasam District, Andhra Pradesh by using natural adsorbents" Journal of Civil Engineering & Technology (IJCIET), Volume 9, Issue 4, April 2018, pp. 993-999, ISSN Print: 0976-6308 and ISSN Online: 0976-6316; Journal Impact Factor (2016): 9.7820 (Scopus Indexed Journal)

* D. Nagaraju has published a paper entitled "Evaluation of existing building for performance check if another floor is proposed for construction " in International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 Volume: 05 Issue: 04 | Apr-2018.

* D.Nagaraju has published a paper entitled "Design of the support structure for the pipe line system" in International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 Volume: 05 Issue: 04 | Apr-2018.

* K. Venkatesh has published a paper entitled "Seismic Analysis of Regular Tall Buildings with Shear Walls and without Shear Walls at Different Locations" IJRASET volume6 issue 4, April 2018.

* K.V.Pratap has published a paper entitled "enhancement of thermal resistivity and compressive strength of concrete by using perlite" In International Journal of Advance Research in Science and Engineering Volume.7, Issue No.4, April 2018.

* K.V.Pratap has published a paper entitled "Sustainable concrete pavement design for rural roads with the replacement of cement by fly ash" in "International Journal of Civil Engineering & Technology (IJCIET), Volume 9, Issue 5, May 2018.

* G. Babu Rao has published a paper entitled "Seasonal variations in the quality and Chemistry of Groundwater in Erravagu sub-basin, Guntur District, Andhra Pradesh in International Journal of Innovative research in technology in Volume 5, Issue 1, June 2018.

Conferences/ Seminars/ Workshops attended:

K. V. Pratap has participated and presented a paper in conference named "International conference on Recent Developments in Science, Engineering and Humanities" organized by The Institution of Engineers, Mumbai state centre held on 14 th April 2018.

K. Dinesh Kumar has attended a workshop on "World skills "held at VR Siddardha engineering college, Vijayawada on 30-01-2018.

G. Babu Rao has participated in the INDO-US Bilateral workshop on "Coastal Groundwater Dynamics Combining Future climatic change and Human development (CLIMWAT-2018) from 7th to 9th june held at Pondicherry Central University.

Papers published in International Conference on Mobile Cloud Computing Computing Communication and Engineering held at Narsaraopeta Engineering college on 22nd and 23rd june.

G.Babu Rao and S.Kanamabara rao: "Identification of Groundwater Feasible sites in Erravagu sub-basin of Guntur District, Andhra Pradesh using geophysical and geospatial methods"

K.Anil Kumar and G.Babu Rao:"Demarcation of groundwater recharge zones in Puducherry using electrical resistivity method"

K.V.Pratap and K.Venkatesh: "Water Permeability, porosity and compressive strength of high performance concrete"

K.N. Lakshmaiah: "An experimental study on repair techniques of reinforced concrete beams in comparison with conventional beams"

K.N. Lakshmaiah: "A study of shear strength performance on reinforced concrete beam with warping of FRP strips"

Ch. S. Tirumala Devi and Yerikenaboina Anjaiah:"Study the influence of metakaolin and foundry sand on Self-Compacting concrete properties" (Best Paper)

Student Focus

B. Prathima Bai (1447A0125) of IV B.Tech has participated in All India South Zone Tennis Tournament (representing JNTU Kakinda) from January 20 to 24 held at Gitam University, Vishakhapatnam.

B.Bhavya Teja (14471A0129) & B. Prathima Bhai (14471A0125) of IV B. Tech has secured first prize in quiz at NEC jubilation 2k18

Important Activities in the Department

Department has organized webinar on "ENVIRONMENTAL POLLUTION" in association with by NITTTTR, Chandigarh from March 19th to 23rd in which all the faculty members of the department and faculty from other departments also actively participated.



Dr. K. V. S. G. Murali Krishna, Princial, JNTUK, NRT has presented a guest lecture on "Basics of Civil Engineering skills" on 7th February in which all the faculty students of the department has actively participated



Academic Toppers

The following students stood in 1st position in the semester exams held in previous semester the 1st, IInd , IIIrd and IVth years respectively.



B. Ajay bhaskar Reddy
16471A0123
GPA-8.33



S. K. Mothadalu
17471A0125
GPA-8.91



U. Arun kumar
15471A0184
83%



M. Sahithi
14471A0108
87.33%

Alumni Voice



I feel fortunate to be a student of Narasaraopeta Engineering College as it helped me to both on personal and professional front. It inculcated a lot of intra and interpersonal skills which helped me in all round development. The field exposure in my college life has helped me a lot in securing a good job.

Mr. M. Vijaya Bhaskar Reddy Batch (2010-2013)
Junior Engineer in Military Services, Garrison Engineer, Naval Base, Visakhapatnam

Student's Voice



I acknowledge that my knowledge has been enriched due to my association with our department. Knowledge transformation programs (guest lecture, workshops) conducted to the students are really helped to face global competition.

U. Arun kumar
Regd. No. 15471A0184
IV B. Tech

Quotes by students:

Behaviour is some times greater than knowledge, because in life there are many situations where knowledge fails but behaviour can handle everything.
- B. Sai Ramya (14471A0120)

Art without Engineering is dreaming. Engineering without art is calculating
- M. Sahithi (14471A0108)

Scientists study the world as it is; Engineers create the world that had never been
- K. Mouli (16471A0101)

CIVIL QUIZ

Questions

1. Who is the father of soil mechanics
2. What is the weight of one bag of cement
3. As per IRC recommendation traffic volume study carried out.....days
4. For the section having 14 mm thickness which size of weld is used..
5. Now a days ,which grade of steel is maximum used in the construction

Answers:

1. Karl von terzaghi
2. 50 kg
3. 7 days
4. 5mm weld
5. Fe 415 grade steel