



JNTUH College of Engineering Hyderabad

DEPARTMENT OF CIVIL ENGINEERING

NEWS LETTER

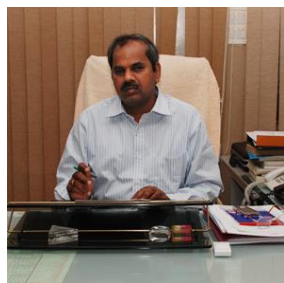


2018 - 2019



Administrative Building

From the Principal's Desk: Dr. E. Saibaba Reddy



Today, engineering education faces new challenges because of the expansion of global market and rapid social and technological evolutions. Practicing Engineers defined quality as distinction of purpose, effectiveness in achieving institutional goals, meeting students' needs and degree to which education prepares students to be personally effective within the circumstances of their life and career. The quality of engineering education can be maintained by adopting internationally accepted standards in students' intake, syllabus, designing course structure and curriculum, infrastructural facilities, staff appointments, pedagogy, testing & evaluation, research and development.

As per the demands of the society becomes irrelevant and will soon have an adverse effect on all those who come in contact with it. Keeping this in view, the most significant event that takes place regularly in our college is the conduct of Board of Studies Meetings to design, revise and review the syllabi of all subjects for every two years. In this regard, the college set up new Library which has a good number of books and Journals to benefit the staff and students.

As a part of the extra-curricular activities, the College conducts department-wise Technical Fests to

showcase the hidden talents of our students in the fields of technology, leadership, team work and innovation. We try to instill in students a sense of courage and conviction to face the challenges ahead. We feel proud to say that JNTUH CEH campus is a ragging-free campus. We encourage our students to participate in sports and games activities held at both on-campus as well as off-campus. I am confident that the same zeal and spirit among the staff and students will sustain in our future endeavors also. I wish all the members of the faculty, staff and the students a Happy Golden Jubilee Celebrations and a Successful New Year-2018.

From the Vice-Principal's Desk: Dr. G.N. Srinivas



JNTUH College of Engineering Hyderabad has been rendering yeoman service in the field of Technical Education and our college is the most coveted Autonomous Engineering College in Telangana State and every student aspires to be a part of the Institute. Keeping in view the growth in technical education, our College has been continually organizing a number of Conferences, Seminars and Workshops in various disciplines. The members of the faculty are encouraged to pursue research activities and attend training programmes to keep themselves abreast of the rising technological advancement. TEQIP- III plays a key role in sponsoring and supporting many programmes. I am sure that these programmes provide an intellectual platform to our faculty and outside participants to express, share and learn the new techniques in teaching-learning process.

All the programmes offered by JNTUH CEH follow the Choice Based Credit System (CBCS) with Outcome Based Approach (OBA). The curriculum of all courses has been designed to meet the international standards with industry-specific goals. The move towards interdisciplinary studies and collaborative learning through innovative pedagogy has opened up several opportunities. In addition, it not only provided a platform for qualitative learning but also created avenues for multiple challenges. Thus, the responsibility lies with us to nurture competent professionals with the technological expertise. I am confident that we are adequately trained and fully equipped to handle this challenge and surely be successful in all our endeavours. I take this opportunity to congratulate all the staff and students on the occasion of Golden Jubilee Celebrations.

Message from Head of the Department: Dr.K.Manjula Vani



We have just concluded the Golden Jubilee Celebrations of the Institute with a sense of achievement and accomplishment. Civil Engineering Faculty have always been deeply involved in moulding our young bright undergraduate and graduate students into technologists, technocrats and researchers who are capable of providing best of solutions to the societal problems. I can vouch on behalf of my faculty colleagues and staff that we will continue to strive for greater heights in teaching and research that is relevant and shall help in nation building. I am very happy to present a brief account of our engagements, achievements and aspirations in the following pages.



Department of Civil Engineering

The Department of Civil Engineering is one of the departments available from the inception of the college in 1965. The Department has qualified and experienced staff and well equipped laboratories with basic equipment required for undergraduate courses and modern equipment to meet the postgraduate and research requirements. The Department is very active in academic, research and consultancy Programmes. It receives grants from various agencies like MHRD, DST, UGC and AICTE. The Department has very sophisticated test facilities such as Soil Dynamic testing, Reaction Bed for cyclic/dynamic loading of structures. Test Tanks are available for testing of model foundations with a facility to alter water table position. The Department has established the centre for Geo- Environmental Engineering in 1999 as the first research centre in the College. The Department has its own computer laboratory to meet the requirements of undergraduate, post graduate and research students with latest softwares in different fields. The Department has all modern facilities including well furnished seminar hall and department Library.

Vision of the Department

The Department of Civil Engineering is committed to raise the intellectual tone of the young students in understanding and incorporating emerging technologies with an objective of enhancing their competence by applying their proficiency and skill for infrastructure and economic development of the society.

Mission of the Department:

1. To strengthen the teaching tools in order to orient students to acquire necessary skills to perform in the field or to handle industrial projects.
2. To enhance students into knowledgeable, responsible professionals, successful practitioners and lifelong learners in emerging fields for the betterment of society.
3. To improve the quality of technological education through training, consultancy, research, and innovation.
4. To identify, evaluate and implement scientifically proven technological solutions.

Programs Offered:

1. B.Tech in Civil Engineering (Regular)
2. Five Year Integrated B.Tech + M.Tech in Structural Engineering
3. M.Tech in Structural Engineering
4. M.Tech in Geotechnical Engineering
5. M.Tech in Transportation Engineering
6. M.Tech in Structural Engineering (Part-time)
7. Ph.D. in Civil Engineering (Regular & External)

B.Tech Program Educational Objectives

PEO 1	To provide students with a solid foundation in mathematical, scientific and engineering fundamentals required to solve engineering problems and to pursue and to enroll in advanced studies
PEO 2	To Impart basic technical knowledge and skills in Civil Engineering and related fields to cater to the emerging technological needs of society.
PEO 3	To perceive the technical knowhow, adaptability and innovation in their work so as to pursue lifelong learning, and to be leaders, both in their chosen profession and in other activities.
PEO 4	To Provide expertise in carrying out civil engineering projects by using state-of-art of computing and experimental techniques to develop interdisciplinary approach.
PEO 5	To Train the student to possess good communication and presentation skills with ability to work in teams and contributing significantly to the technological development of the Nation.

Program Specific Outcomes

1. Understand the basics of Science, behavioural mechanics and engineering materials required for Engineering systems.
2. Survey, explore, analyse, formulate, design and manage complete Civil Engineering systems by incorporating socio-cultural and environmental needs
3. Develop social skills required for multidisciplinary and collaborative works
4. Train professionally to understand the ongoing field problems and their solutions.

CIVIL ENGINEERING DEPARTMENT STAFF



List of Teaching Staff

S.No	Name	Designation
1	Dr.E.Saibaba Reddy	Professor and Principal
2	Dr.G.K.Viswanadh	Professor
3	Dr.K.Rama Mohana Rao	Professor
4	Dr.P.Srinivasa Rao	Professor
5	Dr.K.M.Lakshmana Rao	Professor
6	Dr.K.Manjula Vani	Professor & Head
7	Dr. E. C. Nirmala Peter	Professor
8	Dr. P. Sravana	Professor
9	Dr.S.Srinivasulu	Professor
10	Dr.B.Dean Kumar	Professor
11	Dr.G.V.Narasimha Reddy	Associate Professor
12	Dr. V.Padmavathi	Associate Professor
13	Dr.S.Vidyavathi	Professor
14	Dr. Maganti Janardhana Yadav	Professor
15	Mrs.A.Krishna Niveditha	Associate Professor
16	Mrs.P.Srilakshmi	Associate Professor
17	Mrs.M.Padmavathi	Assistant Professor
18	Dr.B.Siva Konda Reddy	Assistant Professor
19	Mrs.B.Sunitha	Assistant Professor
20	Prof.M.R.Madhav	Professor of Emeritus
21	Ms.B.Meena	Teaching Assistant
22	Mrs.J.Divya	Teaching Assistant
23	Mrs.B.Ashritha	Teaching Assistant
24	Mr.K.Ashok	Teaching Assistant

Non-Teaching Staff

S.no.	Name	Designation
1	K.Devaraju	Draughtsman (Civil)
2	A.Sudheer Kumar	Technical Assistant GR-I
3	D.Srinivasa Reddy	Technical Assistant GR-I
4	B.Narsing Rao	Sr.Instructor
4	P.Venkatesh	Sr.Instructor
5	Md.Mustaq	Mechanic
6	A.Dasarath	Sr.Instructor
7	K. Nagaraj	Jr. Instructor
8	R.Ram Narayana	Record Assistant

Out-Sourcing Staff

S. no	Name	Designation
1	G.Ravi Kumar	Computer Programmer
2	P.Srikala	Technical Assistant
3	M.Shirisha	Record Assistant
4	P. Satish Kumar	Data Processing Officer
5	M.Narayana Rao	Network Admin
6	B. Tripura Sundari	Record Assistant
7	G.Kiran Kumar	Data Entry Operator
8	M.Nagabhushanam	Helper
9	C. Ramnath Reddy	Helper
10	Y. Mallesh	Helper
11	G.Vijay Kumar	Helper
12	P. Ram Prasad	Helper
13	MD. Amjad	Helper
14	M.Anil Kumar	Helper
15	K. Raja	Helper
16	B.Upendra	Helper
17	D.Ramu	Helper
18	A.Anil Kumar	Helper
19	P.Bheem Reddy	Helper
20	Y.Seshamani	Helper
21	N.Narender	Helper
22	Ch.Pushpalatha	Helper

List of Laboratories

- Strength of Materials Laboratory
- Concrete Laboratory
- Structural Analysis Laboratory
- Geotechnical Engineering Laboratory
- Rock Mechanics Laboratory
- Environmental Engineering Laboratory
- Highway Materials Laboratory
- Surveying Laboratory
- Fluid Mechanics and Hydraulics Laboratory
- Computer Laboratory
- Geology Laboratory
- Transportation Engineering Laboratory
- GIS Laboratory



Surveying Lab



Geotechnical Engineering Lab



Concrete Technology Lab



Strength of Materials Lab



Transportation Engineering Lab

Details of Ongoing Research Projects:

S. No.	Name of the Principal Investigator(s) & Designation	Details of the Project	Duration of the Project	Sanctioning Agency	Sanctioned Amount (Rs.In Lakhs)
1.	Dr.S.Srinivasulu & Dr.HimaBindu	Cost of Effective and novel treatment method development for the remediation and reuse of pesticide industrial waste water	2017-2019	DST	Aprox Rs.18.71
2.	Dr.P.Srinivasa Rao	Assessing Suitability of Processed OB for Civil Construction Purpose	Dec 17- Dec19	Singareni Collieries Company Ltd.,	Rs.5.056

Journals Published:

- Dr.K.Manjulavani, “The effect of Reservoir compressibility on the Earthquake Performance of Gravity Dams”, International Journal Advances in Mechanical and Civil Engineering” Volume-4, Issue-5, ISSN: 2394-2827.
- Dr.K RamaMohana Rao , “Pushover Analysis for Estimating Seismic Demands of RC Framed Building”, International Journal Advanced Technology and Innovative Research , ISSN:2348-2370. Vol.09, Issue-12, Pages:2266 -2274.
- Dr B.Dean Kumar , “Effects of Molarity on Compressive Strength Properties of geopolymer Concrete with Fly ash & GGBS”, International Journal “Emerging Technology and Advanced Engineering, Issue2, Volume.7.
- Dr B.Dean Kumar , “Influence of Fibre on the Strength Properties of Triple Blended Self Compacting Concrete”, International Journal “Emerging Technology and Advanced Engineering, Issue2, Volume.7.
- Dr B.Dean Kumar , “Acid Resistance Studies on Triple Blended Fibrous Self Compacting Concrete”, International Journal “Emerging Technology and Advanced Engineering, Issue2, Volume.7.
- Dr.M.Janardhana, “Strength and Erodibility Characteristics of Compressed Stabilised Earth Blocks Using Rice Husk Ash and Lime”, International Journal Masonry Society Masonry International, Vol44. No.4,PPI-5, ISSN No.0970-0137, October.
- Dr.M.Janardhana, “Analytical Modelling And Numerical Simulation of Compressed Stabilised Earth Block Using Rice Husk Ash”, International Journal Masonry Society Masonry International, Vol.29 No.3.2017, PPI.85.91. ISSN No.2398-757X.
- Dr.M.Janardhana , IJAERD, Vol4,ISSUE,E-USSn(O):2348-4470, P-ISSN (P):2348-6406
- Dr.M.Janardhana , “Dynamic Behavior of a Structural Using MR Fluid Damper”, IJAME, ISSN2250-324,Vol8,Number 1(018) pp.13-24

Ph.D Guided & Awarded:

S. no	Student Name	Guide Name	Title of Thesis
1	Mr N.V. Vamsee Krishna.	Dr K.Rama Mohana Rao	Study of Natural Draught Cooling Tower on Vertical Piles in Coastal Soil Deposits.
2	Sri R.Satish Kumar	Dr.M. Janardhana	Stabilized Compressed Earth Blocks using Rice Husk Ash and their Applications As Load Bearing Wall
3	Mr.S. Eshwaraiah	Dr.M Vishwanadham	Evaluation of Environmental Parameters.
4	Mr.N.Chaitanya	Dr.M Vishwanadham	Bio Hydrogen Production from Waste Water.

Ph.D Received by the Faculty

S. no	Student Name	Guide Name	Title of Thesis
1	Smt. P.Srilakshmi	Dr.M.V.Seshagiri Rao	“Stress Strain Behavior of SCC Under Axial Compression in Confined and Unconfined States”
2.	Smt.B.Sunitha	Dr.N.Subba Rao	“Geochemistry and Quality of Ground Water in a part of Telengana State, India
3.	Smt.M.Padmavathi	Dr.M.R.Madhav & Dr.V.Padmavathi	In elastic and Non- Linear Response of Foundations under Moment Loading

Workshops Organised by Faculty

S.No.	Name of the Faculty Member	Type of workshop	Title of the Programme	Organized under	Venue	No. Of Participants
1	Dr V. Padmavathi and Dr.G.V. Narasimha Reddy	One Day Workshop	“GEOPRACTICES-2017”	TEQIP	CRC Seminar Hall	75
2	Dr.M. Janardhana	National Workshop	“Seismic Design and Detailing of Reinforced Concrete Buildings”	TEQIP	UGC-HRD Auditorium	75
3	Dr.K. Manjula Vani	National Conference	“Remote Sensing Applications”	TEQIP	Seminar Hall Civil Department	150

Details of Conferences/Seminars/Workshops Attended by Faculty :

S. No.	Name of the Attended Faculty	Nature of the Event	Title of the Event	Venue
1	Dr P. Srinivasa Rao	National Workshop	“Seismic Design and Detailing of Reinforced Concrete Buildings”	UGC-HRD Auditorium JNTUH
2	Dr B. Dean Kumar			
3	MrsA.Krishna Niveditha			
4	Dr. P. Srilakshmi			
5	Dr B.Siva Konda Reddy			
6	Dr V.Padmavathi	National Conference	Indian Geotechnical Conference	IIT Guwahati

Value Added Courses :

S.No	Name of the value-added courses offered (with 30 or morecontact hours)	Duration of the course In hours	Number of students enrolled	Number of Students completing the course
1	Geotechnical Concepts - Analysis and Interpretation of Laboratory and In-Situ Test Results	30	37	37
2	Pumpable Concrete for Tall Structures	30	34	34
3	Use of Geotechnical Software and Excel Spread Sheets for Practical Applications	30	36	36
4	Concrete Reinforcement and Detailing for RC Buildings	30	37	37
5	Soil Exploration & Case Studies	30	36	36
6	Special Concretes – Its Applications	30	36	36

The Value added courses offered during 2018-2019 was for a duration of 30 hours. All students with 75 percent attendance were issued course completion certificates. B.Tech and M.Tech students have enrolled and completed the courses successfully . The topics offered helped the students to gain knowledge of latest technologies which helped them to have a good insight of the career opportunities in Civil engineering.

ICS Works: The following ICS works were taken up by the department and a revenue of 260 lakh rupees generated

S.No	Name of the Work	Name of the Organization	Amount(Rs.)in Lakhs
1.	Mix Designs	R & B, Narsapur	1.06
2.	Tests on Bitumen	DRK Infratech, Hyderabad.	0.37
3.	Mix Designs	SCCL, Manchiryal.	0.35
4.	Bitumen Tests.	GHMC, Khairathabad.	0.30
5.	Mix Designs	SCCL, Manuguru.	0.70
6	Mix Designs	HRDCL, Hyderabad.	0.93
7	Soil Investigation Work	S.K.R. Constructions , Hyderabad	10.5
8	Soil Investigation Work	The EE,GHMC,Secbad	2.0
9	Soil Investigation Work	Subbaraju Infracon Ltd, Hyderabad	0.8
10	Soil Testing	BVSR Constructions Pvt. Ltd.	0.8
11	Soil Investigation work	Avani Infratech	1.18
12	Concrete Mix Design	Various agencies like R & B Department, Irrigation Department, Singareni Collieries, Various other Government and Private Organizations.	80.00
13	Proof checking	GHMC, HMDA, My Home Constructions and Various other Government and Private Organizations.	150.00
14	Structural Stability	GHMC and other Private Organizations	10.00



Students & Faculty at Polavaram Project for field visit 4th February 2018



ICS Work : Inspection of Power house at Srisailem Project site 14th September 2018



ICS Work : Inspection of Fire Accident Building at Pashamylaram , Patancheru 7th March 2018



ICS Work : NDT Testing at Residential Building at Alwal 5th July 2018

STUDENT ACHIVEMENTS

B.Tech Toppers :

S.No	Hall ticket No.	Name of student	Year	CGPA
1	18011A0147	Potharaju Shirisha	I Year	8.885
2	17011U0105	Katakam Poorna Sujatha	II Year	9.18
3.	16011A0142	Vuppala Srinija	III Year	9.94
4.	15011A0133	Ramineni Rashmitha	IV Year	9.915
5.	15011P0117	G.Venkata Naga Saikrishna	IV Year	9.865

Students Qualified in GATE /CAT/ GRE

S.No	Name of the Student
1	Anusha.A
2	Mohammad Zulfekhar Ali
3	Pavan Kumar.K
4	Sanjeev .A
5	Shivani .G
6	Sri Vinay .N
7	Uday .K
8	Vamsi.K
9	Bharath .R
10	Supriya.A
11	Sudhakar.B
12	Mahathi.k
13	Deepak.K

Details of Award Received by student :

S. No.	Name of the Student	Name of the Award / Prize Received	Awarded by
1.	Lakshmi Pradeepthi Mahendravada	Gold Medal by for Topping the Subject PSC (Prestressed Concrete)	IEI(Institute of Engineers India)

Placement Details of B.Tech. Students

S.No	Name	Company
1	Abhinav Reddy K	Accenture
2	Akhil Babu Daggubati	Oracle
3	Anusha Papineni	Accenture
4	Bhargav Kumar Vemula	Tata Projects
5	Harish Kumar Surna	Aarvee Constructions
6	Jaya Lakshmi Athram	Accenture
7	Kedar Bojjawar	BluJay Solutions
8	Lakshmi Pradeepthi Mahendravada	Accenture
9	Mohammed Mazhar	Amazon
10	Mohit Kumar	Amazon
11	Muralidhar Reddy Chethi Reddy	GHMC
12	Namrata Gandra	Accenture
13	Priyanka Alugu	GHMC
14	Rajya Lakshmi Mulukutla	Tata Projects
15	Sai Sourab Reddy Peesu	Accenture
16	Shaik Ruksana Begum	APGENCO
17	Sravanthi Chava	Accenture
18	Swathi Byagari	Accenture
19	Vishnu Saketh Jella	Accenture
20	P.Prashanth (ECET)	Aarvee

Workshops Organized by students

Batch	Names	Conference/Symposiums/Workshops
2015 Batch	1.Ramya Chaitanya Jalagam 2.Pavankumar Thalari 3.Mrudula Sai Ala 4.MD Abdul Faizaan	National Conference on “Geotechnical Applications-2018” (GA-2018) Under TEQIP-III 24 th March, 2018
2015 Batch	1.Shruthija Sreeram 2.Tulasi Priya Tangella 3.Venkata Ramana 4.Medishetty 5.Yamini J	Symposium on “GEO Practices -2017 (GP-2017)” Under TEQIP-III 14 th October,2017



Elite NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to
GATTU SAI TEJASWI
for successfully completing the course

Digital Land Surveying And Mapping (DLS & M)

with a consolidated score of **64** %

Online Assignments	24.58/25	Proctored Exam	39/75
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Total number of candidates certified in this course: **628**

Prof. B. K. Gandhi
Coordinator, Continuing Education Centre
NPTEL Coordinator, IIT Roorkee

Feb-Apr 2019
(8 week course)



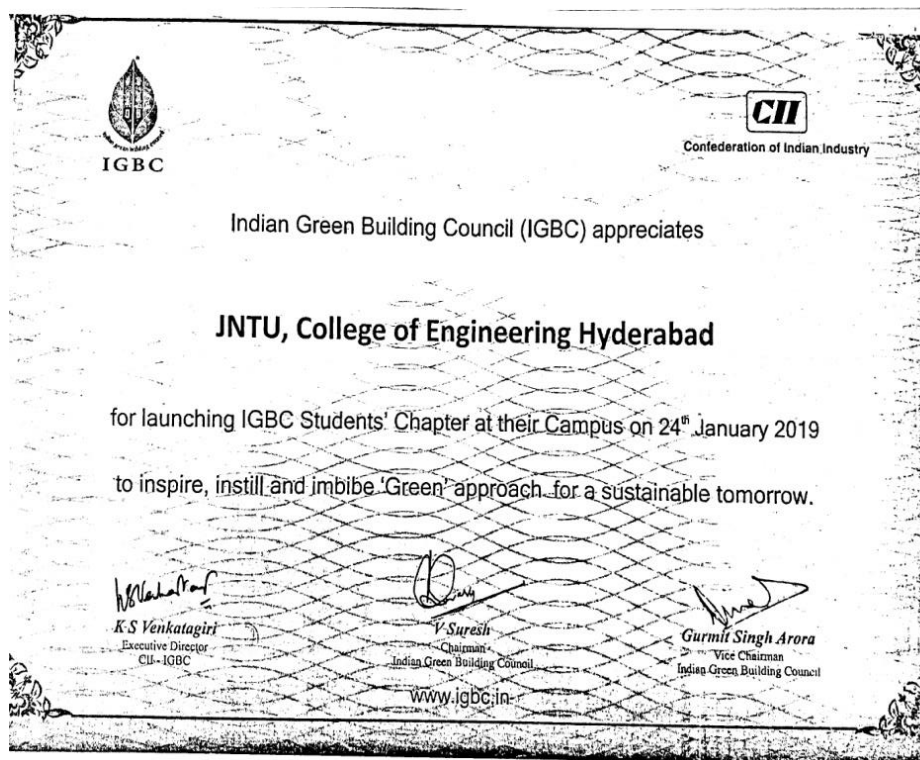
Indian Institute of Technology Roorkee



Roll No: NPTEL19CE09S41450351

To validate and check scores: <http://npTEL.ac.in/noc>

NPTEL certificate of G.Sai Tejaswi 16011U0106



The IGBC Student chapter was launched in the JNTUH Campus Civil Engineering Department by IGBC

Photo Gallery



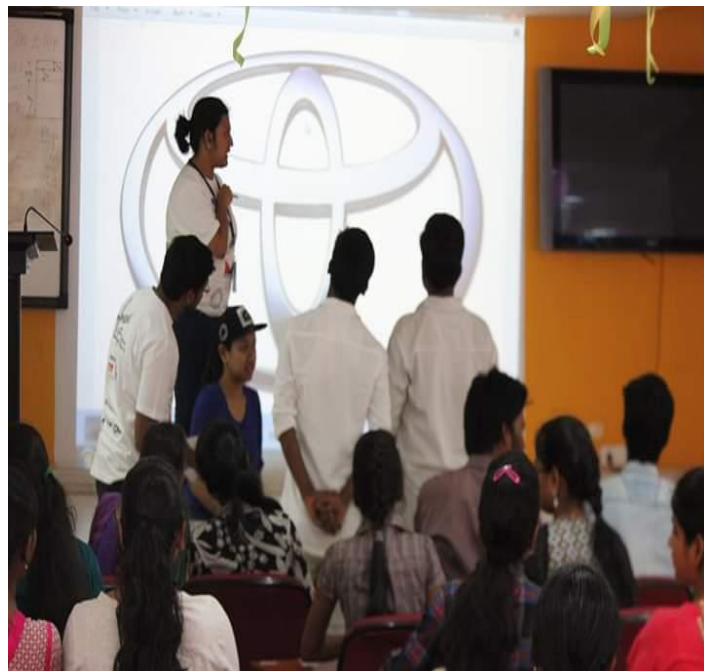
Prof. Yadaiah Registrar flagging off the 2K run 4th March 2018



Team Sthapatya at the department 4th March 2018



Students participating in National Conference on “Geotechnical Applications” 24th March, 2018



Students participating in Sthapatya 14th March 2018



Students participating in Symposium on “GEO Practices”
14th October, 2017



Traditional Day celebration 14th April 2018



Winners of Throw ball in G.V.K.Sports meet
3rd April 2018



Winners of Volley ball in G.V.K.Sports meet
3rd April 2018

