

## ❖ Advisory and Technical Committee:

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Prof. K. Nagendra Prasad, S V University  
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Dr. Janaki Ram, IIT Tirupati  
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Dr. K. Muthukkumaran, NIT Tiruchirappalli  
Dr. Anirban Mandal, VNIT Nagpur  
Dr. M. V. S. Sridhar, O.U. College of Engineering

## ● NIT Warangal

National Institute of Technology, Warangal formerly known as Regional Engineering College, Warangal, is the first among 17 RECs setup as joint venture of the Government of India and the state government. Over the years the college has established itself as a premier Institution imparting technical education of a very high standard leading to the B.Tech degrees in various branches of engineering and M.Tech and PhD programs in various specializations. With a view to give further impetus to the technological education, the Central Govt. upgraded the RECs into NITs, and conferred the Institutes of National Importance status.

## ● Department of Civil Engineering

The Department of Civil Engineering is one of the oldest Departments in this institute. It was established in the year of 1959 at the inception stage of the Regional Engineering College Warangal (RECW) which was the forerunner to the present National Institute of Technology Warangal (NITW). The Department of Civil Engineering offers a B. Tech program in Civil Engineering and Seven M. Tech programs including Construction Technology and management, Engineering Structures, Water Resource Engineering, Environmental Engineering, Geotechnical Engineering, Transportation Engineering and RS & GIS. The Department has liaison with reputed industries and R&D organizations like CRRI, CIRT, UDAs, CES, TCS, RITES, LASA, SPAN, STUP, L&T ECC, SCCL.

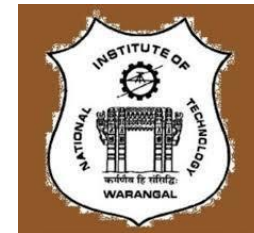
## ● About the Geotechnical Engineering Division

The M. Tech Geotechnical Engineering was started in the year 1964 and since then the division was glorified by eminent professors. The first demonstrative prototype “Reinforced Earth Embankment” was built and tested by this division in India. Subsequently, several research projects ranging from Lime piles in expansive soils, Study on Kakatiya monuments, Ground water studies and low cost housing were completed. The faculty guided several Doctoral works which also earned few awards for the faculty of the division. IGS-Warangal local chapter is also housed within the division to extend geotechnical services to the society. The division is also known for its technical competence to extend consultancy services to various projects in this region.

## ● IGS-Warangal local chapter

IGS-Warangal local chapter has been functioning through Geotechnical engineering division. It has organized IGC-94 and IGC-2004 with vibrant success. The local chapter is active in organizing several events to bridge the gap between theory and field practice.

# A Two Day Young Researchers Symposium for Geotechnical Engineers 1<sup>st</sup>-2<sup>nd</sup> October 2019



**Organized by**  
**IGS-Warangal local chapter**  
**Department of Civil Engineering**  
**NIT Warangal, 506004**  
**Telangana, India**

## ❖ Introduction

Geotechnical Engineering encompasses the soil, rock and foundation engineering. It was started as a special branch within civil engineering during the early part of 20<sup>th</sup> century with the introduction of the famous effective stress principle by Karl Terzaghi. Since then this branch of engineering has taken many strides in different areas to become itself full-fledged subject. It has been serving as a promising discipline in the building up of the modern infrastructure projects over a wide range of geographical conditions. With overgrowing urbanization and industrialization, the world environment is subjected to considerable change which has been showing its inevitable ill-effects on soil properties that enter into design calculations. Sometimes, peculiar ground conditions are the result of the aggressive chemical contamination of good. Environmental geotechniques is the recent development within geotechnical engineering to deal with these problems. Geotechnical engineering also deals with the solutions with regard to the difficult ground conditions while building/running infrastructure projects in/through them. This symposium provides a platform for young researchers to present and share their ideas to further their research in frontier areas of Geotechnical Engineering.

The areas include, but are not restricted to

- Foundation engineering
- Ground improvement techniques
- Geo environmental engineering
- Slope stability and land slides
- Earth retaining structures
- Rock engineering
- Computational Geomechanics
- Soil Dynamics and earthquake engineering
- Deep excavations and underground structures
- Remote sensing and GIS applications in Geotechnical engineering

## ❖ Call for papers

Full length technical papers are invited from UG, PG students and Ph.D scholars in Geotechnical engineering. The authors are requested to limit their paper to 8 A4 size pages in ASCE format. The full length paper should include: Abstract, Introduction, problem statement/objectives, Literature review, Methodology of work carried out, conclusion and references. The authors can contribute any work related to geotechnical engineering.

## ❖ Selection Process and registration fee

Papers will be reviewed by the expert committee. Selected papers will be communicated to the authors through email.

Based on the review papers will be selected for oral presentation. Both oral and poster presentations are given equal importance. At least one author of each accepted paper should register for the symposium to be eligible to present it. Three best papers will be awarded with a cash reward and certificate. Another two best papers will be given consolation prize and certificate.

Application in the prescribed format duly sponsored by the Head of the institution along with the registration fee of Rs. 1000/- in the form of a demand draft in favor of "Indian Geotechnical Society, Warangal local chapter" payable at State Bank of India, NIT Warangal branch. Online transfer can also be made to Indian Geotechnical Society Warangal Chapter Account No. 52109484641 of SBI, NIT Warangal (IFSC: SBIN0020149). Accommodation will be provided on sharing basis subjected to availability and for which payment should be made by the participant according to the institute rules.

## ❖ Expert Talks

Eminent experts will deliver keynote speeches on emerging research trends at the symposium.

## Important Dates

Submission of Full length papers : 15<sup>th</sup> September, 2019  
Communication about selection : 20<sup>th</sup> September, 2019  
Last date for Registration : 25<sup>th</sup> September, 2019

## Address for Correspondence

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## Coordinators

**Prof. V. Ramana Murty**

**Dr. P. Hari krishna**

**Dr. M. Heeralal (Gen. Secretary IGS Warangal)**

**Dr. Arif Ali Baig Moghal**

**Dr. G. Kalyan Kumar**

**Dr. G. Venkata Ramana**

## APPLICATION FORM

**A Two Day  
Young Researchers Symposium for Geotechnical  
Engineers  
(1<sup>st</sup>-2<sup>nd</sup> October 2019)  
Department of Civil Engineering  
National Institute of Technology  
Warangal-506004 (T.S)**

1. Name
2. Date of Birth
3. Designation
4. Institution
5. Whether the Institution has AICTE Recognition YES / NO
6. Address for Correspondence

E-Mail:

Phone / Mobile:

7. Educational Qualifications

8. Payment Details:

Amount Rs:

DD No/Trans. Ref.:

Date:

9. Accommodation required YES / NO

## Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the course and shall attend the course for the entire duration. I also undertake the responsibility to inform the Coordinator in case, I am unable to attend the course.

Place:

Date:

**Signature of the applicant**