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Assistant Professor & Convener, RTST - 2020

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National Institute of Technology Warangal

National Institute of Technology (Formerly, Regional Engineering College (REC)), Warangal was the first to be established (in 1959) among the chain of 15 RECs in the country, setup as joint venture of the Government of India and the state Government. Pandit Jawaharlal Nehru laid the foundation stone for this institute on October 10, 1959. 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 eight branches of engineering, M. Tech. degrees in twenty-five specializations, P. G. degrees in eight specializations and Ph. D. programs in twelve specializations. It is a self-contained residential campus located in a beautiful wooded land of about 248 acres. It is located on either side of Hyderabad - Warangal highway at a distance of 3 Kms from Kazipet railway station and 12 Kms from Warangal railway station. It is located at a distance of 140 Kms from Hyderabad. The Institute has more than 3600 students, 270 teaching staff and 360 administrative and supporting staff. It has a vast and strong alumni base, spread across the globe. For more details, visit nitw.ac.in.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

The Department of CSE was established in the year 1991. The Department offers high quality undergraduate, postgraduate and doctoral programs. The B. Tech. (CSE) program was started in the year 1983 with an intake of 20 students. The intake was subsequently increased to 120 in 2008. The M. Tech. (CSE) program was started in 1987 with an intake of 18 and subsequently increased to 20 in 2008 and M. Tech. (Information Security) was introduced in the year 2008 under Information Security Education Awareness (ISEA) project sanctioned by Ministry of Communication and Information Technology (MCIT), Department of Expenditure, Government of India, New Delhi with intake of 20. Later, it was renamed as M. Tech. (Computer Science and Information Security). The Master of Computer Applications (MCA) program was started in 1986 with an intake of 30 and increased to 46 from 2008. B. Tech., M. Tech. (CSE) and M. Tech. (CSIS) programs were accredited in 2014 by National Board of Accreditation (NBA) as per Washington accord. For more details, visit nitw.ac.in/departments/cse/



13th National Workshop

on
**RECENT TRENDS IN
SOFTWARE TESTING
(RTST - 2020)**

21st –25th December 2020

Convener

Dr. Sangharatna Godbole

NIT Warangal

Co-Conveners

Dr. Subhrakanta Panda

BITs Pilani Hyderabad

Prof. Durga Prasad Mohapatra

NIT Rourkela

**Department of Computer Science &
Engineering**

[National Institute of Technology |
Warangal \(nitw.ac.in\)](http://National Institute of Technology |
Warangal (nitw.ac.in))



ABOUT THE WORKSHOP

The Workshop on Recent Trends in Software Testing (RTST) will provide a forum for discussions on theoretical and practical aspects of advanced software testing, exchanging research ideas and challenges, exploring possible solutions and future directions. This is the 13th workshop of the series. The main goal of this workshop is to bring together researchers and practitioners from both academia and industry.

The workshop mainly includes invited lectures on recent advances in software testing both from industry and academia. The invited lectures will mainly cover the following areas: MC/DC testing, Concolic testing, model-based testing, object-oriented testing strategies, regression testing, test case optimization and prioritization.

For the first time the workshop is introducing two new events named: Machine Learning in Software Testing and Panel Discussion to inspire and attract Young researchers. The main objective of these two new tracks is to align the software testing platform with the current changes in the industry.

INVITED TALKS

The invited talks will be delivered by experts from Foreign Organizations, IITs, IIITs, ISIs, NITs, BITS, and other reputed institutes and experts from industries such as TCS, Infosys, LDRA and others.

CONTENTS OF THE WORKSHOP

1. Testing in agile environment
2. Agile software development
3. MC/DC testing
4. Concolic testing
5. Software ecosystems
6. Fuzzing
7. Testing of EWB based applications
8. Testing of IOT based applications
9. Testing in Big data analytics
10. Application of program slicing to testing
11. Program analysis
12. Program repair

REGISTRATION DETAILS

Registration fee allows the participants to attend all the sessions. To make successful registration please fill up this form:

Link: <https://forms.gle/btKnToefDi4p6DkU7>

Last Date for Registration: 20th December 2020

Registration Fees in INR (including GST)

Industry and R&D Organizations	1000
Faculty	500
Research Scholars and Students	200
Research Scholars and Students from NIT Warangal	Nil



Fee Payment Procedure:

Registration fee is to be remitted online through NEFT to the bank account. Proof of remittance of the requisite registration fee (with date and transaction number) should be email to sanghu@nitw.ac.in. The payment details will be sent to the registered participants.

Note: Please enter RTST2020 code in remarks while doing transaction.

PANEL DISCUSSION SPEAKERS

1. Dr. Anjaneyulu Pasala, Infosys Lab Bengaluru
2. Prof. Meenakshee D'Souza, IIIT Bengaluru
3. Prof. D. P. Mohapatra, NIT Rourkela
4. Prof. Ravichandra Sadam, NIT Warangal
5. Prof. K. Shridhar Pattnaik, BITs Mesra
6. Prof. Mitrabinda Ray, ITR Bhubaneswar
7. Mr. Deepu Chandran, LDRA Bengaluru
8. Prof. Subhrakanta Panda, BITs Pilani Hyderabad
9. Prof. Jagganath Singh, KIIT Bhubaneswar

SPEAKERS



Dr. Srinivas Padmanabhuni,
ACM ISOFT, India



Prof. Rajib Mall
IIT Kharagpur, India



Dr. Youne Dittrics,
Copenhagen, Denmark



Prof. S. K. Rath,
NIT Rourkela, India



Dr. Rasool Maghareh
Toronto, Canada



Dr. Amey Karkare,
IIT Kanpur, India



Dr. Adam Przybylek,
Gdansk, Poland



Mr. R. Venkatesh,
TRDDC Pune



Dr. Ravendra M.,
TCS Bengaluru



Prof. S. Bhattacharya Ex-Director
NIT, Surathkal and Durgapur



Dr. Raghu Reddy,
IIIT Hyderabad, India



Mr. Debashish Das,
TCS India