



Research Scholars Forum
NIT Tiruchirappalli
 presents
2nd Research Colloquium
 on
INNOVATIVE RESEARCH
ON ENGINEERING,
SCIENCE, TECHNOLOGY AND MANAGEMENT

06,07 April 2019

About Colloquium:
 In today's fast moving world everyone need to be multitasking then how to an engineer can be of his stream. To over come the difficulties faced and to promote inter disciplinary research in country like India for technological advancement research colloquium lays down a platform. This colloquium mainly focus to promote inter disciplinary research, exchange of ideas and task, to built multi tasking capacity among students and explaining the actual societal need. This highlights of research colloquium are (i) paper presentation, (ii) poster presentation, (iii) guest lecture , (iv) quiz and much more technical events.



Date: 06,07 April 2019 9.00am
 Saturday & Sunday

Venue: LH-09, Virtual Classroom,
 NIT-Trichy

Registration Fees	For NITTian	For External Participants
Whole Colloquium	₹500	₹1000
Only Lectures or All Events	₹250	₹500
Any one event	₹150	₹300
One Guest Lecture	₹100	₹200

REFRESHMENTS AND LUNCH WILL BE PROVIDED TO ALL PARTICIPANTS.
 CERTIFICATES WILL BE DISTRIBUTED AT THE END OF THE COLLOQUIUM FOR ALL EVENTS.
 ACCOMMODATION WILL BE GIVEN ON PRIOR REQUEST.

Registration Fees:
 Registration fees should be paid to RSFNITT bank account.
 ACCOUNT NO: 36595907014
 IFSC Code: SBIN0000924
 After paying the fees fill the registration forms using link:
<https://goo.gl/forms/lp1NRxD9HQ1DqH9s1>



Kindly save the payment receipt as it is needed while filling the registration form.
 Write your name & roll number in the Remarks section while making the transaction.

- | | |
|--|--|
| Patron
Dr. Mini S. Thomas, Director, NIT-Trichy | Organising Chair
Blessto B, President |
| Advisory Committee
Dr. S. Kumaran, Faculty Advisor
Dr. Samson Mathew, Dean, Students Welfare
Dr. S. Raghavan, Professor, Dept of ECE
Dr.-Ing. M. Duraiselvam, Professor, Dept of Prod
Dr. S. Moorthi, Associate Professor, Dept of EEE | Organising Secretaries
Revathi S, Vice-President
Shobha K, Overall Coordinator
Finance Secretary
Pradeep S, Treasurer
Organising Committee
(Events and Talks Managers)
R. Dinesh Kumar, M. Sujikannan, A. Ramya |

For Queries contact
 Email: rsf@nitt.edu website: rsf.nitt.edu B.Blessto 8072640918
 R. Dinesh Kumar 9865138376 S. Revathi 9488611107
 S.Pradeep 9786363183 K.Shobha 9894809731

Instructions for Oral presenters:

- ☐ The paper presentation should describe original research performed by yourselves (i.e., not published elsewhere)
- ☐ The authors of each oral presentation has 5 mins for presentation and 3 mins for discussions.
- ☐ The competitors exceeding 3 minutes will be given negative marking (for each 10 seconds extra consumed 1 mark will be deducted from the total score obtained by a participant).
- ☐ Please remember to be prepared, understand your audience, and customize your presentation to their interests.
- ☐ Tell them what you will be speaking about, then speak about it, and then summarize. Please be sensitive to the time and help your session stay on schedule.
- ☐ The speakers should arrive at the venue for their oral presentation session at least 30 minutes before the start of the session. The decision of the adjudicating panel is final. Organisers will be around for any help.



Best Paper and Poster awards will be provided for 2 individuals from each track.

Certificates will be provided for all presenting participants for separate events.

01

PAPER PRESENTATION

Guidelines for Poster Presentation

- ☐ Poster should be of the same title and topic that has been indicated at the time of submitting the abstract.
- ☐ The registered author should bring the poster with him/her.
- ☐ The poster should be placed on the provided display-board latest by three hours prior to the beginning of poster-session, and it should be kept there for the entire duration of the Colloquium.
- ☐ The display-board carrying the assigned poster number as well as pushpins will be provided.
- ☐ Include the RSF and NITT Logo available at this link at the right-hand top corner of the poster.
- ☐ The presenter of the poster must have registered for the event and must be one of its authors.
- ☐ Presenting author must remain near the poster during specified time slots in order to interact with the team of judges and audience who will assess the posters.
- ☐ The decision of the adjudicating panel is final.
- ☐ Organisers will be around for any help.



- ☐ Poster should be 33 inch (width) x 47 inch (height) in size.

- ☐ The font size for the title and author names should be larger than the remaining text.
- ☐ For the main-body of the poster select font size which would enable reading it from about three feet distance so that a large group could read the poster at the same time. Font type should be such that it is legible.



02

POSTER PRESENTATION

QUIZ

Solo Inter-disciplinary Quiz

03



Quiz Guidelines:

- ☐ The Quiz will have questions from all disciplines.
- ☐ There will be 80 questions which is to be answered in 40 minutes.
- ☐ No negative marking.
- ☐ Participants should carry valid institute/college/school identity card and should be a regular student of the institute/college/school.
- ☐ Organisers will be around for any help.

Top 3 scorers will be awarded exciting prizes.

NIT TRICHY:

The National Institute of Technology, Tiruchirappalli, started in 1964 with a view to catering to the needs of man-power in technology for the country. NITT ranked first among all 31 NIT's for the third time in a row and Eleventh among all the technical institutes in India by the National Institute Ranking framework (NIRF). NITT is witnessing an exponential growth in R&D activities. Apart from a large consultancy work undertaken by our engineering departments, academic research gains its momentum day by day. NITT has signed MOUs with industries and institutions in India and abroad to promote collaborative research and consultancies.

RESEARCH SCHOLARS FORUM:

RSF (Research Scholars Forum) is the forum functioning for the welfare of researchers since 2015 and officially formed in 2017 with the help & support of Institute functionaries. Research Scholars Forum mainly focus on organizing workshop, seminar and guest lecture regularly with experts from prestigious academic institutions and R&D departments from laboratories across the country.



1.EFFECTIVE RESEARCH& INNOVATION

Mr. Vivek Porselvan

NIT Trichy

2.SYSTEMIC LITERATURE REVIEW

Dr. Vardhini

Asst professor, GCE Srirangam

3.SCIENTIFIC METHODS OF RESEARCH

Dr.V. Anandhakrishnan, Assoc. Professor,

NIT Trichy

4.PAPER WRITING

Dr.S. Vinodh, Assoc. Professor,

NIT Trichy

5. RESEARCH TOOLS

MENDELEY, TURNITIN AND GRAMMERLY

Mr. Dinesh Kumar Rajendran

NIT Trichy

GUEST LECTURES

04



APRIL 06, SATURDAY

LH09, LECTURE HALL COMPLEX, NIT TRICHY

Mechanical
Metallurgy
Production
Industrial
Automobile
Design
Thermal
Aeronautical

MECHANICAL SCIENCES

DR. N. SIVA SHANMUGAM
ASSOCIATE PROFESSOR
MECHANICAL ENGINEERING
TRACK 1

APRIL 07, SUNDAY

LH09, LECTURE HALL COMPLEX, NIT TRICHY

Business
Administration
Humanities
Economics
English

MANAGEMENT & HUMANITIES

TRACK 4
DR. P. SRIDEVI
PROFESSOR
MANAGEMENT STUDIES

COMPUTER & MATHS

DR. P.J.A. ALPHONSE
ASSOCIATE PROFESSOR
COMPUTER SCIENCE & ENGINEERING

TRACK 2

Computer Applications
Computer Science
Maths
Information Technology
Telecommunication

CONSTRUCTIONAL SCIENCES

DR. S.T.RAMESH
PROFESSOR
CIVIL ENGINEERING

TRACK 5

Civil
Architecture
Transportation
Management
Structural

Chemical
Energy
Chemistry
Ocean
Marine
Mining
Environmental

CHEMICAL SCIENCES

DR. G. ARTHANAREESWARAN
PROFESSOR
CHEMICAL ENGINEERING

TRACK 3

Electronics and communication
Electrical and Electronics
Instrumentation and control
Process Control &
Instrumentation

Power Electronics
Power System
Communication System
VLSI System

ELECTRICAL SCIENCES

DR. S. ARUL DANIEL
PROFESSOR
EEE

TRACK 6

*Participants are asked to attend only one day of their respective track

*Participants are asked to attend only one day of their respective track