



PROGRAM GUIDELINES

R2SEP

**RESEARCHER AND RESEARCH STUDENT
ENRICHMENT PROGRAM**

**INSTITUT TEKNOLOGI SEPULUH NOPEMBER (ITS)
SURABAYA
INDONESIA**

<https://www.its.ac.id/international/>

R2SEP

RESEARCHER AND RESEARCH STUDENT ENRICHMENT PROGRAM

PROGRAM DESCRIPTION

ITS as a research university provides facilities and program to support researchers, lecturers, and research students to develop their research skills.

R2SEP is a research-skills oriented program where ITS researchers and research students can learn from a series of guest lectures delivered by worldwide professors and experts. The program is a platform for students to exchange ideas, catch up with the world's research trends in particular fields, and for overseas professors to share best practices.

Aiming for better relevance to the audience and potential speakers, the 2021 R2SEP offers four (4) streams allowing speakers and participants to explore research best practice in Hard Engineering*, Soft Engineering**, Sciences, and Architecture, Design, & Social Sciences.

TOPICS

Finely chosen topics suitable for postgraduate students for R2SEP can be seen as follow:

1. Expectations from Being a Postgraduate Student
2. Finding Research Idea
3. Literature Review: Latest Tools and Methods
4. Common Research Methodology in Your Field
5. Research Management Skills
6. Getting Published
7. Presentation Skills
8. Life Strategy as A Researcher

The topics above will be covered in four separate tracks according to a broad subject area:

1. Hard Engineering*
2. Soft Engineering**
3. Sciences
4. Architecture, Design, & Social Sciences

*Hard engineering here includes but not limited to: Electrical Engineering, Chemical Engineering, Mechanical Engineering, Civil Engineering, Materials Engineering, Computer Engineering, Marine Engineering, Informatics

**Soft engineering here includes but not limited to: Industrial Engineering, Information Systems, Technology Management

DESCRIPTION OF TOPICS

In this section, details on each of the topic will be explained to serve as a guideline on what to cover in R2SEP sessions. The order of the topics has been planned as a series of important matters that postgraduate students or researchers need to understand in order to achieve a successful outcome of their research studies.

1. Expectations From Being a Postgraduate Student

Description and learning outcome:

Participants should be able understand the significance of a postgraduate degree, as well as the requirements than can lead to a successful postgraduate study. These requirements include relevant basic skills and prior knowledge that participant need to have in order to become a postgraduate student, as well as the acquired skills and knowledge that the participants need to obtain once they complete the postgraduate degree.

2. Finding Research Idea

Description and learning outcome:

Postgraduate studies typically involve a significant portion of research, and postgraduate students will need to produce a thesis

or dissertation as part of their postgraduate degree. A research proposal is the first step for a thesis or dissertation, and it requires students to propose a hypothesis or idea as the basis of the research. Students should be able to appreciate various ways and approaches to acquiring research ideas, including from critical literature review, practical experiences, real problems, guidance from supervisors, among others.

3. Literature Review: Latest Tools and Methods

Description and learning outcome:

The task of producing a literature review for postgraduate students can be aided by appropriate online tools, as well as methods such as annotated bibliography. Participants should be able to recognize and use supporting tools such as reference manager and online reference databases, as well as methods such as annotated bibliography to help postgraduate students perform the literature review in their respective field.

4. Common Research Methodology in Your Field

Description and learning outcome:

Students should be able to understand the various research methodology approaches that are most relevant to their field of postgraduate study.

5. Research Management Skills

Description and learning outcome:

A postgraduate study typically requires research management skills to achieve goals effectively according to a well-planned timeline. Students should be able to recognize various challenges and possible problems that may impede the study and research process taken by the students, and therefore should understand ways and methods to solve the issues through better research management skills.

6. Getting Published

Description and learning outcome:

Students should be able to understand the steps required to succeed in publishing results of their thesis research work in a journal or conference proceeding. This includes questions such as: what makes a good academic paper, what should be included in the abstract, and how should the paper be written and organized. Furthermore, choosing a suitable journal for publication, as well as preparing revisions should be understood by students.

7. Presentation Skills

Description and learning outcome:

Postgraduate students as researchers should be able to convey

their research work effectively. This includes using presentation as means to disseminate information to various target audience about their research.

8. Life Strategy as a Researcher

Description and learning outcome:

A postgraduate degree is certainly not the end of a research process, but rather the start of a research career. Participants should be able to learn from leading experts on how they develop themselves in a research career with productive research outcome in the long term.

DURATION AND TIMELINE **OF PROGRAM**

For the Spring Semester, 2020/2021, the R2SEP is expected to run as a fortnightly online event starting from the third week of March 2021 until the end of the semester in July. Each session will be held as an online interactive meeting running for two hours. Currently, ITS Surabaya uses the Zoom platform for online classes and meeting, with Microsoft Teams Meeting available as an alternative.

BENEFIT FOR SPEAKERS

All speakers in R2SEP will receive the following:

1. Official decree from the Rector of ITS
2. Certificate of appreciation
3. Souvenir

GENERAL RESPONSIBILITIES OF THE SPEAKERS

1. Being self-motivated and confident to present interesting and interactive presentations related to the topic.
2. Able to lead an engaging discussion with the audience.

AUDIENCE

- ITS-based: doctoral students, master's students, final-year undergraduate students, researchers, lecturers
- Lecturers and researchers from outside of ITS Surabaya

FEE FOR AUDIENCE

- No fee will be imposed for the participants or audiences from ITS.
- Fees may be applicable for non ITS participants or audiences.

PROCEDURE

The following steps describes the procedure for prospective speakers to participate in this R2SEP program:

1. After compiling the registration form of R2SEP speakers and performing scheduling of the overall R2SEP sessions, ITS Global Engagement office will communicate with the prospective speaker for final arrangements and agreements by email or online meeting. Once agreed, ITS Global Engagement will issue an invitation letter and confirmation letter.
2. ITS Global Engagement makes all the necessary preparations for the R2SEP program:
 - Communication with prospective speaker.
 - Creating the online platform.
 - Promoting the R2SEP event or session.
 - Acting as host and moderator to the online R2SEP class.
 - Record attendance and record the online meeting.

3. Soon after the session, ITS Global Engagement will send the certificate of appreciation and souvenir to the speaker. The official decree from the Rector of ITS would require additional time to process and may be sent at a later date.
4. Follow up activities, such as collaboration possibilities such as research or joint projects between the speaker and ITS is highly encouraged.

INFRASTRUCTURE AND FACILITIES

Currently the main online meeting platform at ITS is Zoom (maximum of 300 participants), alternatively Microsoft Teams Meeting is also available. Participants will have to ensure strong and smooth internet connection throughout the program.

CONTACT

This program is managed and coordinated by ITS Global Engagement. Any enquiries can be directed to:

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- Astria Nur Irfansyah, Ph.D
(Senior Manager on International Partnership),
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For general enquiries, please send an email to:
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APPENDIX

Appendix 1. Time schedule of guest lecture session

The tentative 120 minutes guest lecture session is proposed to include the following:

- Opening (5 minutes)
- Moderator introduces the topic, and explain the rules and regulation of the presentation session (5 minutes)
- Speaker presentation (60 minutes)
- Discussion and Question & Answer (45 minutes)
- Presentation of digital certificates (2 minutes)
- Wrap up and concluding remarks (3 minutes)