



SRI VENKATESWARA COLLEGE OF ENGINEERING
DEPARTMENT OF CIVIL ENGINEERING



Report of the Workshop on
“Structural Analysis and Design of Multistorey
Building using STAAD Pro”



16.03.2023 & 17.03.2023

Coordinator

Mr. A. Vijay Vignesh
(AP/Civil Engg.)

Convenor

Dr. R. Kumutha
HoD/Civil Engg.



SRI VENKATESWARA COLLEGE OF ENGINEERING

(An Autonomous Institution affiliated to Anna University, Chennai)

Pennalur, Sriperumbudur Tk – 602 117



DEPARTMENT OF CIVIL ENGINEERING



TechApps

Report of the Workshop on “Structural Analysis and Design of Multistorey Building using STAAD Pro”

Dates : 16.03.2023 & 17.03.2023

Time : 08.30 A.M – 03.30 P.M

Mode : Offline

Venue: CADD Lab, SVCE

Speaker

Mr. R. Balamourougane

Structural Manager

STAAD Consultant

TechApps Consulting, Chennai

Convenor & Organizing Secretary

Dr. R. Kumutha, Professor & Head/Civil Engineering

Coordinator

Mr. A. Vijay Vignesh, Assistant Professor/Civil Engineering

Target Audience: IV Year Students

Number of Participants benefited: 23

UG Students : 23

Total No of Internal Participants – 23

Students – 23

BROCHURE



S V C E | Sri Venkateswara
College of
Engineering



(Autonomous - Affiliated to Anna University)
Pennalur, Sriperumbudur Tk., - 602117, Tamil Nadu

Department of Civil Engineering

in association with

TechApps Consulting, Chennai

jointly invite you for

Workshop

on

**Structural Analysis and Design of Multistorey
Building using STAAD Pro**



Mr. R. Balamourougane
Structural Manager
STAAD Consultant
TechApps Consulting, Chennai



Scheduled on
16th & 17th March 2023

Venue: CADD Lab (14-102B)

Target Audience: III & IV Year Students

Faculty Coordinator
Mr. A. Vijay Vignesh, AP/Civil

Convenor & Organizing Secretary
Dr.R.Kumutha
Head of the Department
Civil Engineering

List of Students - Workshop on STAAD Pro - Certificates - reg

2 messages

Vijay Vignesh CVE <avijayvignesh@svce.ac.in>
To: Rajesh Kumar <sales@techappsconsulting.in>
Cc: HOD Civil SVCE <hodce@svce.ac.in>

Thu, Mar 23, 2023 at 2:56 PM

Sir,
PI find the attached list of students successfully completed the Workshop on “**Structural Analysis and Design of Multistorey Building using STAAD Pro**” on **16.03.2023 – 17.03.2023**.

PI find attached photos and feedback (sample google forms) for your reference sir.

--- Thanks and Regards ---

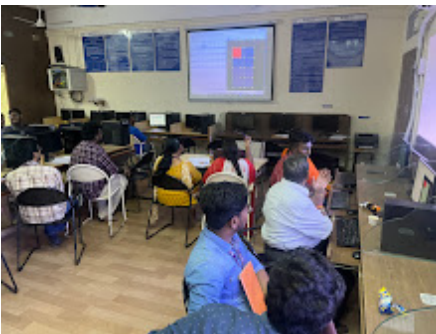
Vijay Vignesh

Assistant Professor - Civil Department,
Sri Venkateswara College of Engineering,
Sriperumbudur

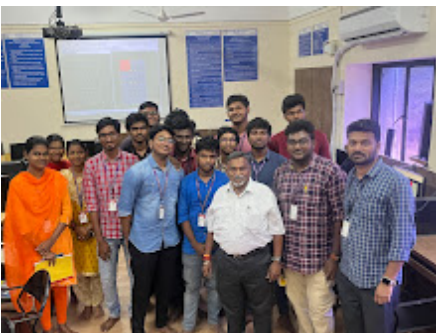
10 attachments



1.jpg
2922K



3.jpg
2718K



2.jpg
2737K



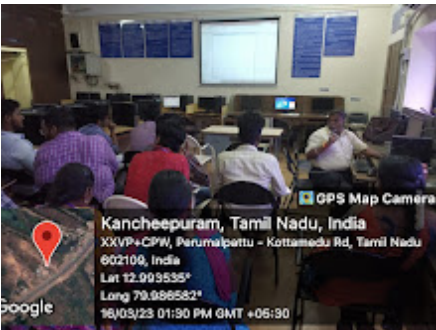
4.jpg
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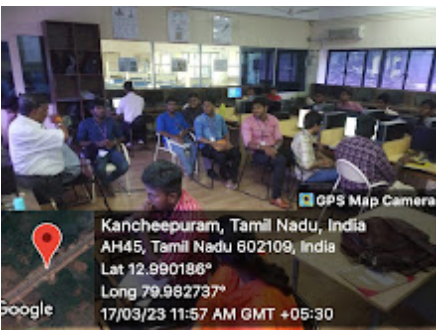
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7.jpeg
161K



8.jpeg
160K

 **Feedback Form - Workshop on _Structural Analysis and Design of Multistorey Building using STAAD Pro_ - Google Forms.pdf**
838K

 **List of Participants.pdf**
65K

Hi Vijay

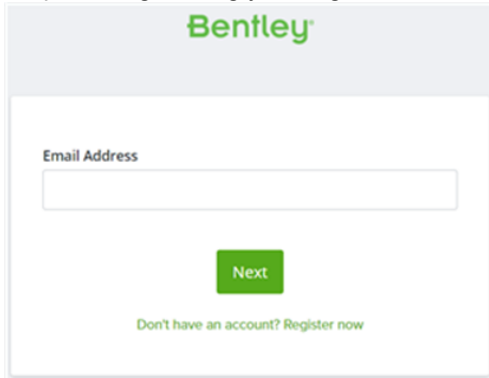
Find below the steps to download the certificates:

How to download certificates?

Procedure for downloading training completion certificates (Transcripts):

Step - 1: Navigate to <http://learn.bentley.com/app/Public>

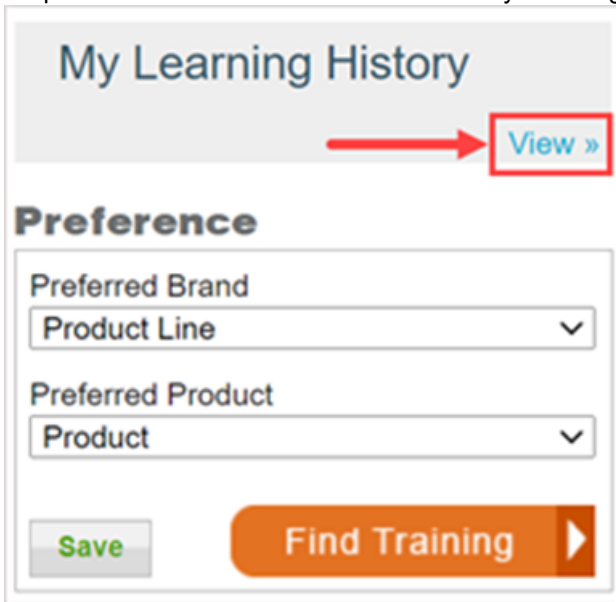
Step - 2: Login using your registered email address



The image shows the Bentley login page. At the top, the Bentley logo is displayed in green. Below it, there is a form with a label "Email Address" and a text input field. A green "Next" button is positioned below the input field. At the bottom of the form, there is a link that says "Don't have an account? Register now".

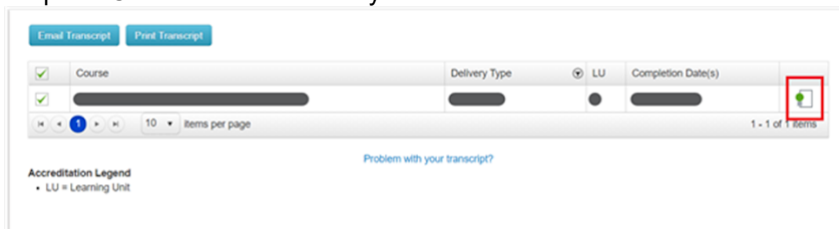
(Please use the same email address that was provided while registration. In case you do not remember your password, please follow the instructions on this [page](#) to generate a new password)

Step - 3: Please click on 'View' under the 'My Learning History' section



The image shows the "My Learning History" section of the Bentley learning management system. The section title "My Learning History" is at the top. Below it, there is a "View »" link highlighted with a red box and a red arrow pointing to it. Underneath, there is a "Preference" section with two dropdown menus: "Preferred Brand" (set to "Product Line") and "Preferred Product" (set to "Product"). At the bottom of the preference section, there are two buttons: a green "Save" button and an orange "Find Training" button with a right-pointing arrow.

Step - 4: Click on to download your certificate



The image shows the transcript download interface. At the top, there are two buttons: "Email Transcript" and "Print Transcript". Below them is a table with columns for "Course", "Delivery Type", "LU", and "Completion Date(s)". The first row of the table has a checkmark in the "Course" column and a download icon in the "Completion Date(s)" column, which is highlighted with a red box. Below the table, there is a pagination control showing "10 Items per page" and "1 - 1 of 1 items". At the bottom left, there is an "Accreditation Legend" section with a bullet point indicating "LU = Learning Unit". A link "Problem with your transcript?" is also visible.

Note: Direct download link: <https://learn.bentley.com/transcript/>

Thanks
Rajesh Kumar
9841785689

PROFILE OF THE SPEAKER

Mr.R.Balamourougane who is currently designated as the Structural Manager in TechApps Consulting, Chennai. He is a strong consulting professional graduated from Pondicherry Engineering College. He is experienced Consultant with a demonstrated history of working in the civil engineering industry. He is also a Certified trainer in Bentley systems. He is skilled in Structural Engineering, Bridge, Structural Analysis, Retaining Walls, and Steel Design.

BRIEF REPORT OF THE WORKSHOP

Mr. A. Vijay Vignesh, Assistant Professor, Department of Civil Engineering, Sri Venkateswara College of Engineering has delivered the welcome address and introduced the speaker Mr. R. Balamourougane, to all the participants.

The speaker welcomed the gathering and gave a brief overview on STAAD Pro software and its importance in construction projects. The following topics were covered during the hands-on session on Analysis and Design of Multistorey Building using STAAD Pro software,

- a. Introduction to STAAD.Pro
 - About Bentley STAAD.Pro
 - Starting STAAD.Pro
 - Graphical User Interface
 - Starting a New Project - Working with User Interface: Menu Bars, Tool Bars, Tabs, Snap Node / Beam Window, Data Area, Main Window
 - Opening and Existing Project
 - Saving a Project
 - Configuring Units
 - Keyboard Shortcuts
 - Importing Model in STAAD.Pro
 - Coordinate Systems
- a. Structural Modeling - Adding Beams using Tools, Creating Beams (Colinear, Along Axes), Creating Plates, Creating Surfaces, Creating Solid Elements, Creating Structure.
- b. Material Constants and Section Properties - Material Constants, Creating and Editing Material Properties, Assigning Materials to the Structure

- c. Member Specifications and Supports - Node Specification, Member Specifications, Plate Specifications, Supports
- d. Loads - Types of Loads: Self weight, Nodal, Member, Area, Floor, Plate, Surface and Solid; Load Generation, Load Combinations as per IS codal provisions.
- e. Performing Analysis - Pre-Analysis, Problem Statistics, Joint Coordinates, Member Information, Material Properties, Support Information, Element & Solid Information; Performing Analysis
- f. Post Processing & Report Creation - Output File, Post Processing Mode.

The speaker concluded the session and discussed on the queries/doubts raised by the participants.

The session was interactive, and the questions raised by the students were answered by the speaker. The session ended with a vote of thanks delivered by Mr. A. Vijay Vignesh, Assistant Professor, Department of Civil Engineering, Sri Venkateswara College of Engineering. The participants also had appreciated the workshop.

Program Objectives

The objectives of the workshop are:

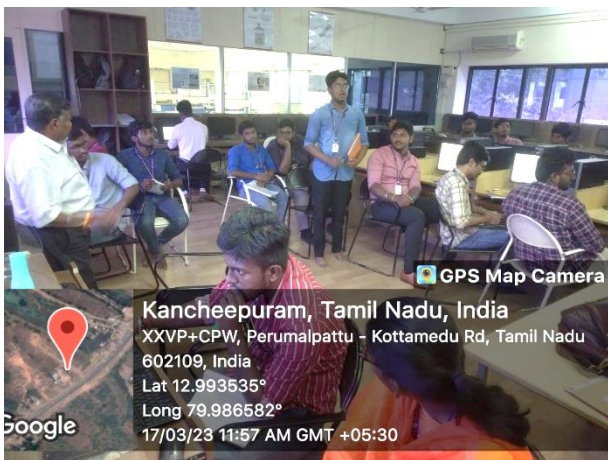
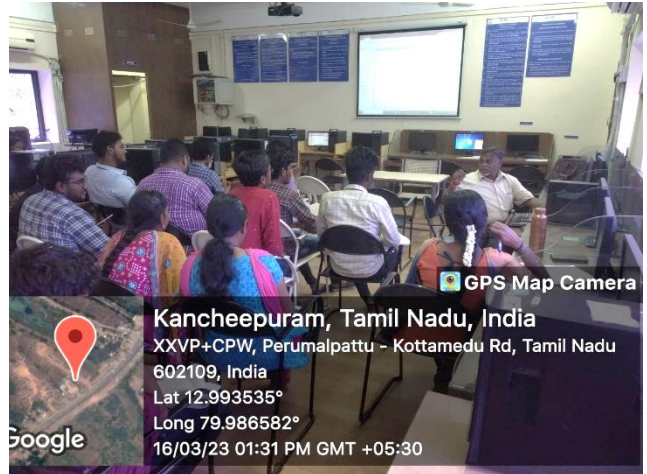
- To provide hands on training on design and analysis of Multi-storey building as per Indian Standards using STAAD Pro software for the students.

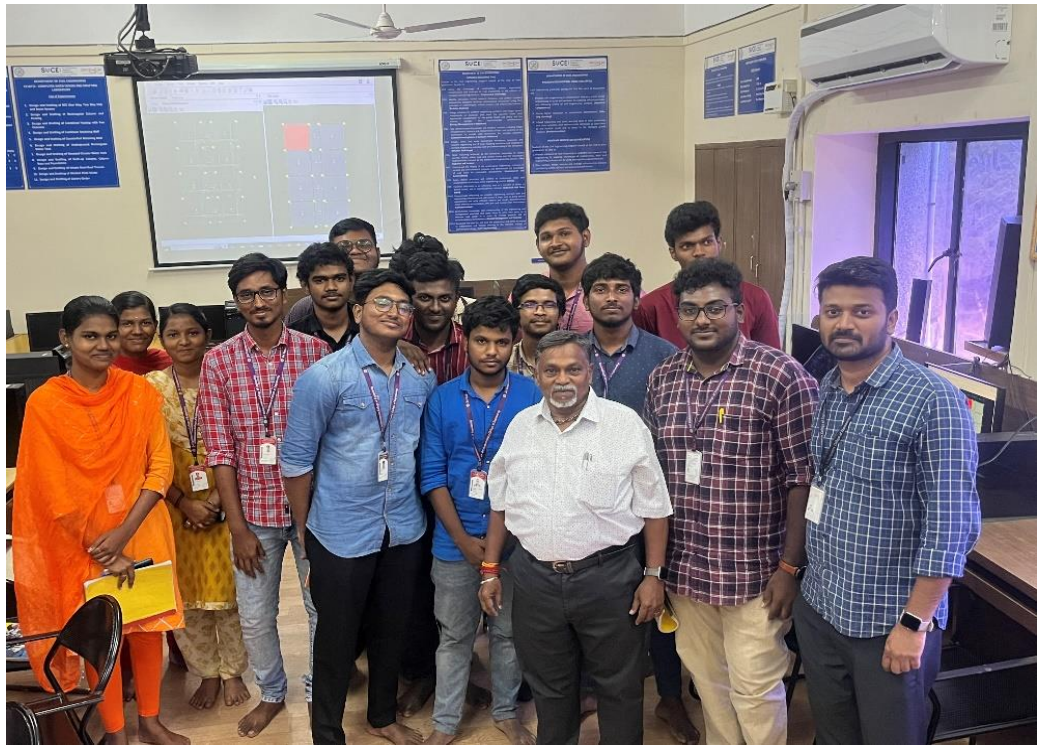
The following Program Outcomes (POs) and Program Specific Outcomes (PSOs) are addressed for the Workshop on “**Structural Analysis and Design of Multistorey Building using STAAD Pro**”,

Particulars	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Structural Analysis and Design of Multistorey Building using STAAD Pro	✓	✓	✓	✓	✓			✓				✓	✓	✓

Feedback Link: <https://forms.gle/wYNy2Em3TSq91PYK9>

SNAPSHOTS OF THE WORKSHOP





LIST OF PARTICIPANTS

S.No.	Register No.	Name of the Student	Year
1	2127200401001	AMARAVATHY U	IV Year Student
2	2127200401002	AURUDRA ADISESHAIAH KRISHNA	IV Year Student
3	2127200401003	AVINASH S	IV Year Student
4	2127200401004	CHANDRAVASAN P	IV Year Student
5	2127200401005	DHANUSH KANNAN L	IV Year Student
6	2127200401006	GIRI RAVENDAR M	IV Year Student
7	2127200401008	MOHAMMAD SALMAAN SHARIFF K N	IV Year Student
8	2127200401009	NARESH U	IV Year Student
9	2127200401010	PRATHIBA S	IV Year Student
10	2127200401011	PRAVEEN KUMAR D	IV Year Student
11	2127200401012	PRAVEEN RAJ A	IV Year Student
12	2127200401013	PREM KUMAR S	IV Year Student
13	2127200401015	PUVIARASU S	IV Year Student
14	2127200401016	RAMANA R	IV Year Student
15	2127200401017	RETHEKA SHIVAKUMAR	IV Year Student
16	2127200401303	BHARATH K	IV Year Student
17	2127200401304	JAYA SURYA J	IV Year Student
18	2127200401305	MANIMARAN A	IV Year Student
19	2127200401306	MONICA V	IV Year Student
20	2127200401307	SANTHOSH KUMAR N M	IV Year Student
21	2127200401308	SHANTHA GOWTHAM S	IV Year Student
22	2127200401309	SYED AFRIDEEN M	IV Year Student
23	2127200401311	ZAAHIR SHA S	IV Year Student

PARTICIPATION CERTIFICATE



Certificate of Accomplishment

THIS CERTIFICATE IS PRESENTED TO

RAMANA R

upon successful completion of

Structural Analysis and Design of Multistorey Building using STAAD.Pro | EN

Product: STAAD.Pro

Version: CONNECT Edition

Course Date: March 16, 2023 - March 17, 2023

Learning Units: 8

Training Partner: Techapps Consulting

A handwritten signature in black ink, reading "Amit Trehan".

Amit Trehan
Director, User Learning
Bentley Systems Inc.

Certificate ID: 540529245



Participants can download their certificates from the Bentley website.

Link: <https://learn.bentley.com/app/Public>

Feedback link - Workshop on "Structural Analysis and Design of Multi-storey Building using STAAD Pro" - Civil Department - SVCE

Feedback Form
Department of Civil Engineering

Workshop on "Structural Analysis and Design of Multistorey Building using STAAD Pro"

Date : 16.03.2023 - 17.03.2023

Speaker Name:
Mr. R. Balamourougane
Structural Manager
STAAD Consultant
TechApps Consulting, Chennai

Kindly provide your valuable feedback.

Email ID *

2020ce0334@svce.ac.in

Name of the Participant *

Praveen Raj.A

Name of the Department *

Civil

Category *

- Third year student
- Final year student
- Faculty
- Lab Technician

Mobile number (Whatsapp)

9677603695

Please rate your satisfaction with the content of the Lecture delivered by the speaker by indicating your level of agreement or disagreement with each of the following statements. *

	Strongly agree	Agree	Neutral	Disagree
The session delivered the information I expected to receive.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The subject matter was presented effectively.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The pace and duration of the workshop was satisfactory.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The resource person is knowledgeable.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The resource person presented the information in a clear and logical manner	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sufficient time was given for interaction	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The workshop was well organized	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
As a result of this workshop, I gained new knowledge	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Are you interested in attending such programs organized in future by the Department of Civil Engineering of SVCE *

Yes

No

Additional Comments/Feedback *

Nil

This form was created inside of Sri Venkateswara College of Engineering.

Google Forms

SUMMARY OF FEEDBACK

Total Number of respondents: 23				
Feedback	Strongly Agree	Agree	Neutral	Disagree
The session delivered the information I expected to receive.	15	8	0	0
The subject matter was presented effectively.	14	9	0	0
The pace and duration of the workshop was satisfactory.	16	7	0	0
The resource person is knowledgeable.	14	9	0	0
The resource person presented the information in a clear and logical manner	17	6	0	0
Sufficient time was given for interaction	12	11	0	0
The workshop was well organized	15	8	0	0
As a result of this workshop, I gained new knowledge	13	10	0	0

SUMMARY OF FEEDBACK

As a result of this workshop, I gained new knowledge

The workshop was well organized

Sufficient time was given for interaction

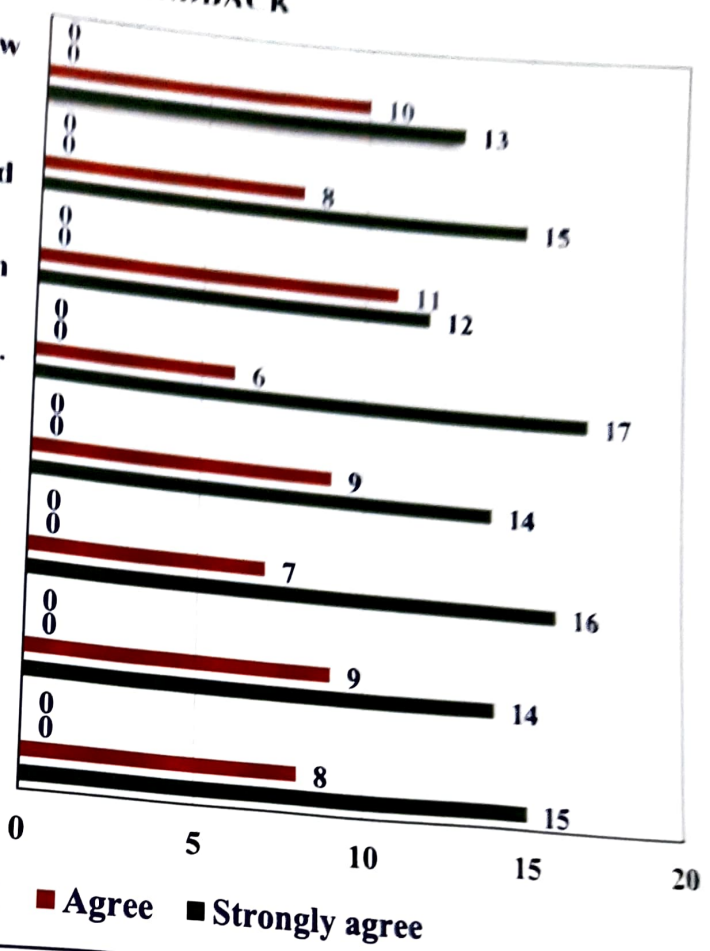
The resource person presented the information in a clear and logical manner

The resource person is knowledgeable.

The pace and duration of the workshop was satisfactory.

The subject matter was presented effectively.

The session delivered the information I expected to receive.



Vignesh

Prepared by
Vignesh (AP/Civil Engg.)
 Coordinator

R. Kumutha

Approved by
Dr.R. Kumutha (HoD/Civil Engg.)
 Convenor & Organizing secretary