

Faculty Development Program

by Dr. Sujata Karve

“Exploring SPSS and Excel in Architectural Research”

Date for the workshop:

Date: 28th June 2023 (Wednesday)

Experts: Dr. Sujata Karve

Brief introduction to the expert:

Dr. Sujata Karve

Sujata is an Architect- planner with over 20 years of experience in academics and 10 years in sustainable planning and environmental design consultancy. Currently the Head of Department of M. Arch (Environmental Architecture) at BNCA, Pune, she holds a Bachelor's degree in Architecture from MMCA, Pune, Master's degree in Planning from School of Planning and Architecture, New Delhi and was awarded Ph. D in 2018 from the Savitribai Phule Pune University. With a focus on environment and environmental behavior, she is actively involved in various research-oriented activities and academics. With a keen interest in environmental psychology and resilience planning, she has researched, taught and written on environmental behavior, climate resilience and planning as well as energy efficiency. She has collaborated on various studio-based projects focused on environmental planning and design. Her doctoral research straddles the field of environmental psychology, spatial behavior, space syntax and comfort studies. Her interest in statistics for architecture has seen her explore and study this subject extensively.

Sujata is a LEED GA and IGBC AP and is actively involved in projects aiming to achieve green certification. She is also understanding behavior at urban level and its applicability in planning for resilience.

She was a Member of BOS (Architecture) at SPPU. She is also on the Doctoral Research committees at BNCA, Pune, SRM University, Chennai, Dayanand Sagar College of Architecture, Bangalore and Manipal School of Architecture and Planning.

Faculty Coordinators: Dr. Vaidehi Lavand, Ar. Ketaki Pednekar, and Ar. Ramiya Gopalakrishnan

(Research cell and center of Excellence Coordinators)

The aim of the workshop: was to explore SPSS and Excel as tools for Architectural research

Objectives to be covered:

1. Input upon basic parameters of Quantitative analysis
2. How to use Excel as analysis tool for research
3. How to use SPSS for data analysis in Architectural research



Brief about the Expert:

One-day workshop: The focus of the workshop is to have a methodical discourse on using Excel and SPSS as potential tools for architectural research. Expert Dr. Sujata Karve had given input on the basic parameters of Quantitative analysis at the beginning of the workshop. A small exercise was given to understand what a null hypothesis is. This exercise on the use of urban space by different genders was analyzed using Excel as a tool for research. Interaction with the expert gave different insights on tools in architectural research. Faculty are also guiding students' research; indeed, this FDP would assist them in writing research papers.

Photographs



SMEF's BRICK Group of Institutes, Pune
BRICK School of Architecture





Exploring SPSS and Excel in Architectural Research

Join us for a knowledge packed Faculty Development Programme
that aims to equip faculties with research methodology tools.



Dr. Sujata Karve
HOD, M.Arch
(Environmental Architecture)
at BNCA, Pune

An Architect Planner with over 20 years of experience in academics and 10 years of experience in sustainable planning & environmental design consultancy, Dr. Sujata Karve holds a Bachelor's degree in Architecture from MMCA, Pune, and a Master's degree in Planning from the School of Planning and Architecture, New Delhi. She was awarded Ph.D. in 2018 from Savitribai Phule Pune University. She is currently the Head of Department of M.Arch (Environmental Architecture) at BNCA, Pune, and has collaborated on various studio-based projects focused on environmental planning and design. Dr. Sujata Karve is a LEED GA & IGBC AP and is actively involved in projects aiming to achieve green certification.

28th June 2023, Wednesday | 9:00 AM onwards
SMEF's Brick Group of Institutes, Pune

IQAC Initiative by SMEF's Brick School Of Architecture, Undri, Pune

Ar. Ketaki Pednekar
Faculty Co-ordinator

Dr. Vaidehi Lavand
Faculty Co-ordinator

Ar. Manali Deshmukh
Vice Principal

Dr. Poorva Kesar
Principal

Dr. Pooja Misal
Founder Director



SMEF's BRICK Group of Institutes, Pune
BRICK School of Architecture



Faculty Development Programme - "Exploring SPSS and Excel in Architectural Research"
by Dr. Sujata Karve
Date of the workshop: 28th June 2023

Faculty members attending the workshop:	
Er. Hemant Joshi	SD.
Ar. Abhang Kamble	
Ar. Manali Deshmukh	
Ar. Nalini Naik Nimbalkar	
Dr. Vaidehi Lavand	
Ar. Shraddha Manjrekar	
Ar. Anurakti Yadav	SD.
Ar. Ketaki Gujar	
Ar. Sudhir Deshpande	
Ar. Jayalaxmi Deshmukh	
Ar. Sharduli Joshi	
Ar. Neha Ghugari-Gosavi	SD.
Ar. Girija Indulkar	SD.
Ar. Ninad Rewatkar	
Ar. Ramiya Gopal	SD.
Ar. Kanchan Shinde	
Ar. Bhagyashree Bandekar	
Ar. Shraddha Gurjar	
Er. Gurudatta Ingale	
Ar. Akshay Gandhi	
Ar. Vinita Lulla	
Ar. Omkar Kale	Signed
Ar. Shreya Shirsath	
Ar. Ketaki Pednekar	SD.
Ar. Raghunandan	SD.
Ar. Farhana Kapadia	SD.

Target audience/ Participants: Faculty of the SMEF's BRICK School of Architecture



Architecture, Pune

Tentative Schedule for the FDP:

10 AM to 11 AM - Introduction to the application of SPSS and Excel in Architectural Research

11 AM to 11.15 AM - Q & A

11.15 to 11.30 AM - Tea Break

11.30 AM to 12.15 AM - Introduction to exercises and discussions in the groups

12.15 AM to 12.45 PM - Lunch

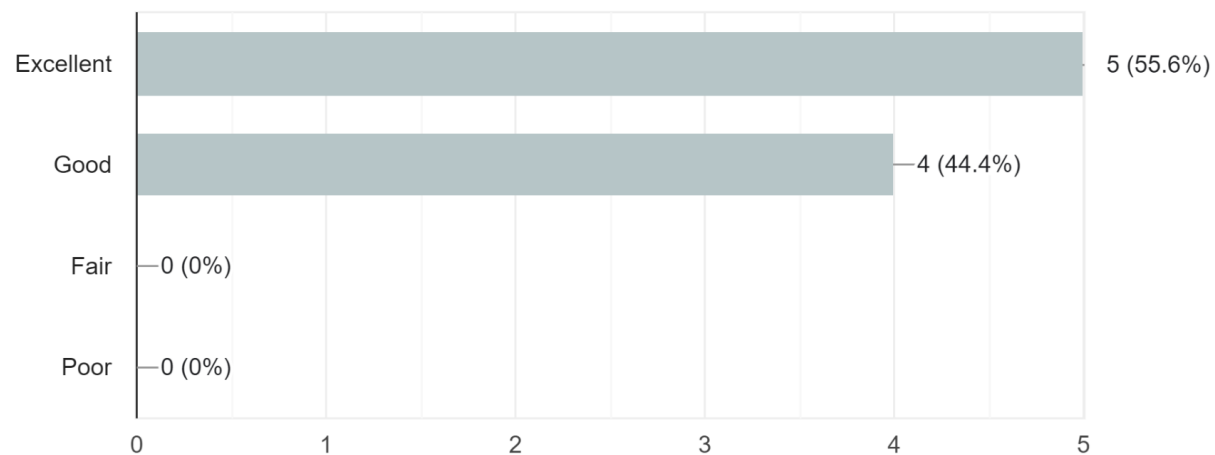
12.45 PM to 1.30 PM - Exercises based on the application of Excel and SPSS in groups

1.30 PM to 2.00 PM - Assimilation

Feedback:

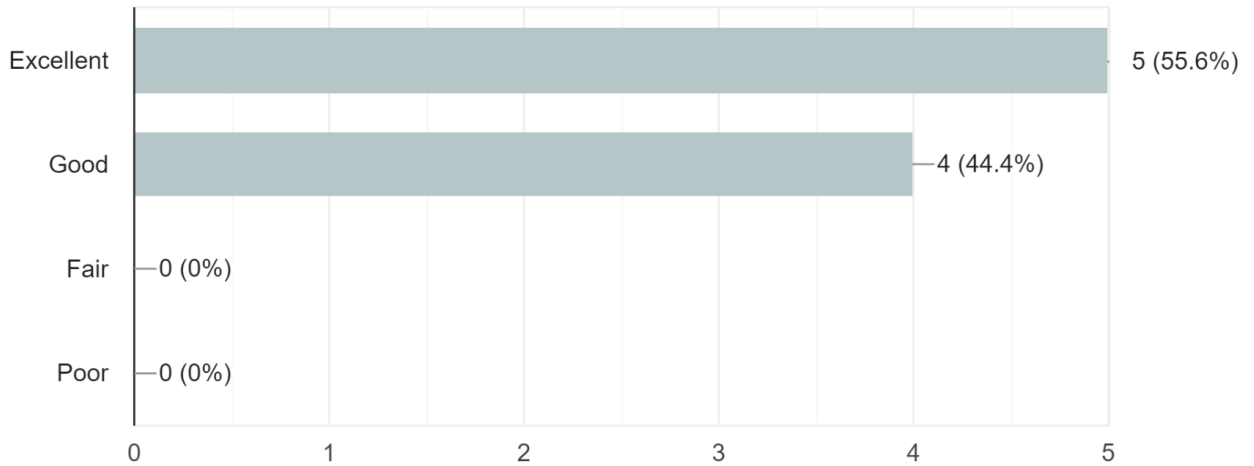
How would you rate the overall workshop experience?

9 responses



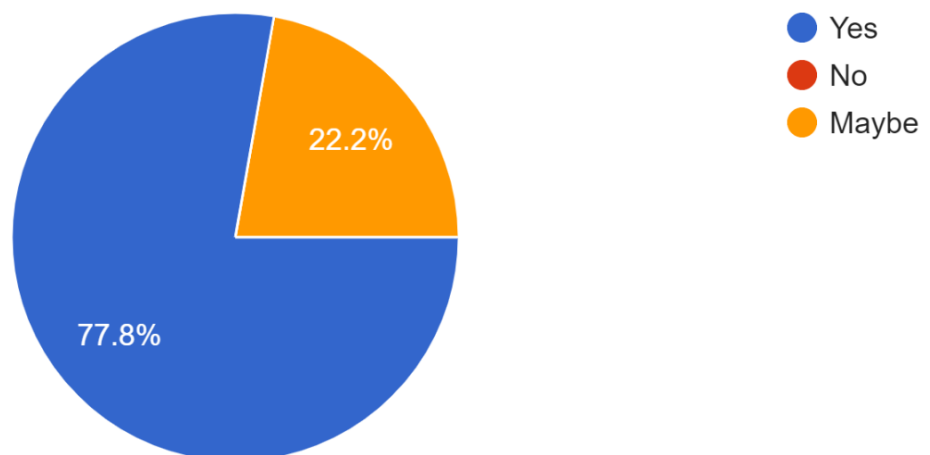
How was the overall organization of the workshop ?

9 responses



Were the inputs helpful for you in understanding Architectural education ?

9 responses



Any suggestions for improvement? 9 responses

More time/ 2 day long

This session was a good introduction to Quantitative analysis for non-parametric data. It'd be great to have an advanced session, including tests for parametric data; along with

hands-on session with SPSS. For the faculties who are not currently engaged in research, providing a sample dataset would be very much helpful.

Flawless, so no suggestions.

Maybe this workshop could have been divided into 2 sessions

It was nicely coordinated event

More assignments should be taken on SPSS software

No.

It could have been more relevant if I had taken an example of a research paper.

Comments and Overall Feedback 9 responses

None

It was a well organized program and experts conducted it in a comprehensive manner. Looking forward for a follow up session of the same.

Sujata maa'am made it so very simple to understand. Need to have more sessions of SPSS.

Thank you for this workshop - we need more such workshops on quantitative methodology tools

Really informative and apt workshop for all aspiring researchers at Brick

Session was interesting, had learned the basics but more assignments were needed to be taken on SPSS software

Good. Can be used in analytical project controls

The structure of the workshop was good.

Suggestion of Topics that you would wish to have Workshops on, in the future.9 responses

Other tools required for research

Basic Programming with Python

Creative writing

R- package and coding for research analysis Prisma as a framework for research writing

How to write a proposal for Phd

Various methods of data analysis and its interpretation using SPSS

How to derive sample size by statistical applications.

Qualitative and quantitative research.

Use of Drones in Mapping