

BEYOND
SMART CITIES

LEARN.BEYONDSMARTCITIES.IN



WELCOME TO BEYOND SMART BUILDING COMMISSIONING - SBCX

ONLINE TRAINING

KRISHNAJI PAWAR - CEO & FOUNDER





BEYOND
SMART CITIES

BEYOND - SBCX

COMMISSIONING SPECIALIST CURRICULUM

KRISHNAJI PAWAR, CEO AND FOUNDER

01

Introduction and Course Outline

SECTION - INTRODUCTION





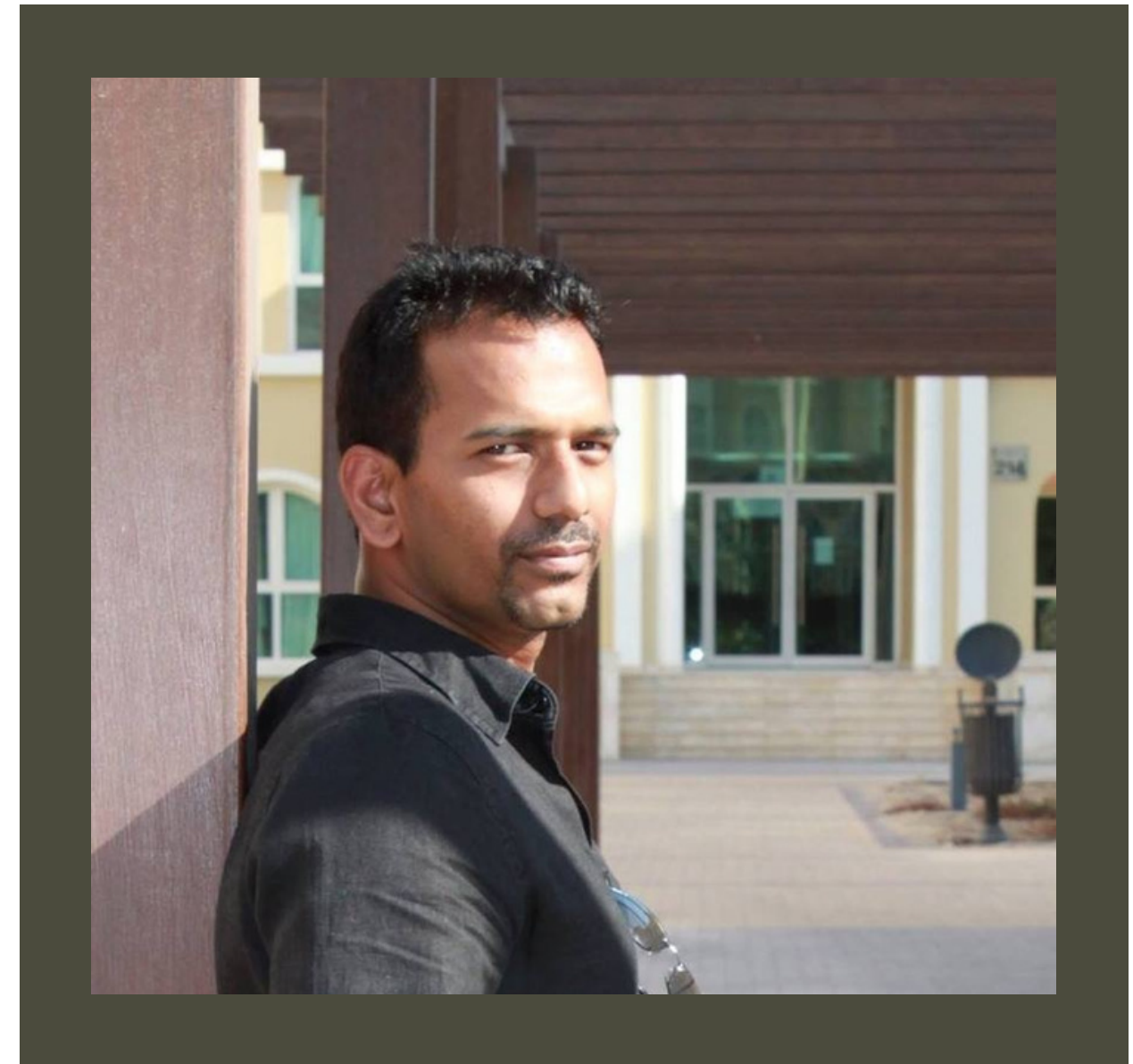
My Story

WHY I CREATED THIS COURSE

Krishnaji Pawar is the founder and CEO of Beyond Smart Cities, a sustainability and energy & Environmental Consultancy that specializes in developing sustainable design strategies for Green Building Certification Systems (LEED, GSAS). He is currently responsible for 3,767 million square feet Green Building /Energy modeling Consulting since 2007 in UAE, India and Qatar, and has been at Green Building Technology platform since 2007. He is known for his bold leadership and commitment to creating economic opportunities, and is committed to building a sustainable, high-performing business that delivers on that mission.

Krishnaji Pawar

WWW.KRISHNAJIPAWAR.IN



LEARN.BEYONDSMARTCITIES.IN



WELCOME TO OUR ONLINE COURSE

Today's buildings consume a lot of energy, and they're getting older, so they are ripe for facility improvements that can enable lower operating costs, greater reliability, and capital investment avoidance. But what's probably most important is that both building owners and facility managers are ready for chances to make their buildings better places to work with better working conditions and better experiences for their tenants. Smart Building Commissioning, a Beyond Smart Cities approach to SMART building commissioning, enables the optimisation of building systems and equipment to enhance performance and efficiencies.





WWW.BEYONDSMARTCITIES.IN

Welcome to our Online Course +

- In point of fact, SBCx projects may save anywhere from 10 to 20 percent of the energy that they use, and they often pay for themselves in around two years' time.
- SMART Commissioning provides you with simple access to trustworthy data that helps benchmark for future study and comparison, and its reporting is meant to assist owners in better comprehending the performance efficiencies and possible savings.
- We are now aware that all building systems and components are able to collect and interpret huge quantities of data, but we also know that data is only helpful when it is put into action. The capacity of SBCx to harness the power of digitalization and make use of the data that is readily accessible to drive the commissioning process is what makes it one of the most cost-effective solutions available.
- Building commissioning programmes that are smart provide a strategy for making the most of a structure by ensuring that it is examined and designed in the most effective manner possible. A piecemeal approach to maintaining a building's good functioning may be detrimental to the structure's long-term health. Nevertheless, using an integrated, intelligent, and digital strategy that blends one-time projects with continuous services has the potential to bring down energy costs and make it feasible to continue increasing performance.

LEARN.BEYONDSMARTCITIES.IN

What you will learn in this Course

THE KEY TAKEAWAYS FOR THE COURSE

- ✓ Introduction and course description
- ✓ Smart CxA of Buildings and benefits
- ✓ Smart Building Assessment - SBCx
- ✓ Investigation - SBCx
- ✓ Implementation - SBCx
- ✓ Hand-off - SBCx
- ✓ Persistence - SBCx



Course Outline

01

Introduction & Course Outline

This course explains the SMART building commissioning process and associated owner benefits.

04

Investigation - SBCx

The analysis phase of the project including:
Analyses of vetted CCMs.....

02

What is SMART Building Commissioning ?

Definition of SMART Building
Commissioning (SBCx) ,Scope and Purpose
of SBCx and Phases of NBCx

05

Implementation - SBCx

The change phase of the project including:
Implementation of vetted CCAs and CCMs
Verifying performance improvement

03

Smart Building Assessment - SBCx

A data-driven approach to the beginning
your commissioning project:
Remote/On-site Data Analysis
Identification of CFRs

06

Hand-off -SBCx

The project signoff and training phase of the
project including: Customer review of deliverables
Training of stakeholders....

Course Outline +

07

Persistence - SBCx

The persistence phase of the project including:
Performance monitoring (local or remote)

08

Summary and Resources

SBCx uses technology to improve
productivity and reduce risk. References and
resources

VISION & MISSION

01. Vision

Beyond Smart Cities is the world's first marketplace for green technology. It connects millions of sustainability experts, green building experts, energy experts, commissioning experts, health and safety experts, fire safety experts, climate change experts, and green product and technology manufacturers with independent talent from all over the world.

"EDUCATING THE NATIONS AND THE FUTURE COMMISSIONING EXPERTS"

02. Mission

Our mission is to build and support a global community of experts with the highest standards of professional practice in sustainability, green building, energy, commissioning, the environment, health & safety, fire safety, climate change, GHG accounting, carbon auditing, and managing GHG emissions.

LEARN.BEYONDSMARTCITIES.IN



THANK YOU

LEARN.BEYONDSMARTCITIES.IN