



BESS + SOLAR DEEP DIVE PROGRAM

BATTERY ENERGY STORAGE SYSTEMS FOR NET ZERO, ENERGY SAVINGS & INDUSTRIAL DECARBONISATION

Certified by the International Institute for Corporate Sustainability & Responsibility
Live Online | 16 Hours | Thursday's Only

Thursday's Only

Date: 16th July to 3rd September

Time: 8:00 pm to 10:00 pm IST | 10:30 am to 12:30 pm EST | 7:30 am to 9:30 am PST

Presented by:

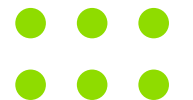
**Kishore Mahamunkar & Sachin
Rana**





TURN NET-ZERO INTENT INTO BANKABLE BESS + SOLAR SOLUTIONS

Learn to design, evaluate, and present deployable BESS + solar solutions that reduce fossil fuel dependence, cut Scope 2 emissions, and improve power stability. Displace diesel gensets, reduce grid reliance, enable Time-of-Day savings, reduce demand charges, and support ESG goals — preparing you to lead as a specialist, consultant, or Net Zero energy professional.



WHY BESS MATTERS NOW

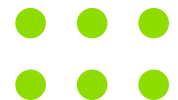
BESS is no longer just a technology choice — it is now a boardroom-level sustainability, finance, and resilience strategy. Industries worldwide are deploying Battery Energy Storage Systems to decarbonise operations, cut costs, and future-proof energy infrastructure.

✓ Reduce diesel genset use and lower Scope 2 carbon emissions significantly.

✓ Gain Time-of-Day savings and improve power quality and stability.

✓ Optimise solar usage and reduce dependence on the grid.

✓ Build bankable Net Zero cases aligned with ESG and finance goals.





WHO SHOULD ATTEND

This program is open to engineers and non-engineers alike. No advanced mathematics or engineering background required – all concepts are taught from first principles using practical calculators. A basic familiarity with electricity bills is helpful but not essential.



ESG & CSR
Professionals



Energy & Facility
Managers



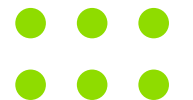
Net Zero &
Sustainability Leaders



Consultants &
Strategy Teams



Clean Tech
Entrepreneurs



PROGRAM STRUCTURE

Designed for working professionals, this program delivers 16 hours of live online instruction across 8 focused sessions. Participants apply learning through a guided capstone project, with an estimated total engagement of approximately 30 hours including exercises, interactives, and thesis submission.



01

Live Online Sessions

16 hours total across 8 sessions × 2 hours each

02

Interactive Learning

Exercises & Menti.com interactives each session

03

Capstone Project

Thesis submission, evaluation & final presentation



8-SESSION DEEP DIVE

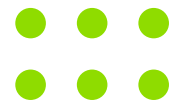
The first four sessions build your technical and conceptual foundation — from understanding the carbon and cost problem to mastering battery architecture, solar sizing, power quality, and microgrid logic. Each session combines live instruction with exercises and interactive tools.

✓ Session 1 — Foundations: Fossil Fuel & Scope 2 Problem (carbon & cost context, BESS role & opportunity)

✓ Session 3 — Architecture, Chemistry & Safety (battery chemistries, PCS, BMS, safety standards & O&M)

✓ Session 2 — Solar + BESS Sizing & Scope 2 Offset Maths (solar yield, sizing methodology, emissions calculations)

✓ Session 4 — Stable, Instant Power (EMS, microgrid logic, grid-forming inverters, power quality, DG displacement)



FROM TECHNOLOGY TO BANKABILITY

Sessions 5–8 bridge technical knowledge with financial modelling, sustainability reporting, vendor sourcing, and real-world capstone application — equipping participants to deliver bankable BESS + Solar proposals.

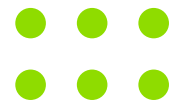


✔ Session 5: The Money Case — ROI models, Time-of-Day arbitrage, demand charges, payback, IRR & bankability.

✔ Session 7: Sourcing & Vendor Selection — scorecards, checklists, red flags, approvals & policy pointers.

✔ Session 6: GHG, LCA / EPD & Reporting — Scope 1, 2, 3, BRSR, GRI 302, CDP, BEE PAT, embodied carbon & second-life.

✔ Session 8: Global Practice & Capstone Briefing — real deployment reviews & capstone project framing.





WHAT YOU WILL BE ABLE TO DO

Upon completing the BESS + Solar Deep Dive Program, participants will have the practical skills and analytical tools to lead real-world clean energy and decarbonisation projects – from first calculations to boardroom-ready proposals, certified by IICSR.



Model Time-of-Day & Demand-Charge Savings



Quantify Fossil-Fuel Displacement & Scope 2 Reduction



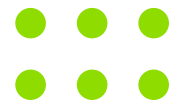
Engineer Stable Power Solutions Displacing DG & Grid



Translate Projects into BRSR, GRI & CDP Disclosures



Source Vendors & Deliver Defensible BESS Proposals

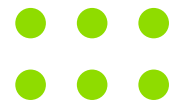




INDUSTRIES & SECTORS WHERE BESS PAYS

Hard-to-Abate & High-Intensity Industries: Data Centres, Power & Utilities, Steel, Cement, Chemicals, Metals & Aluminium, Automotive, Pharma, FMCG.

High-Value Service Sectors: Banks & NBFCs, IT/ITeS Campuses, Hospitals, Commercial Real Estate, Large Offices & Institutional Campuses.
BESS delivers resilience, power quality, cost savings and Net Zero progress across both industrial and service sectors.

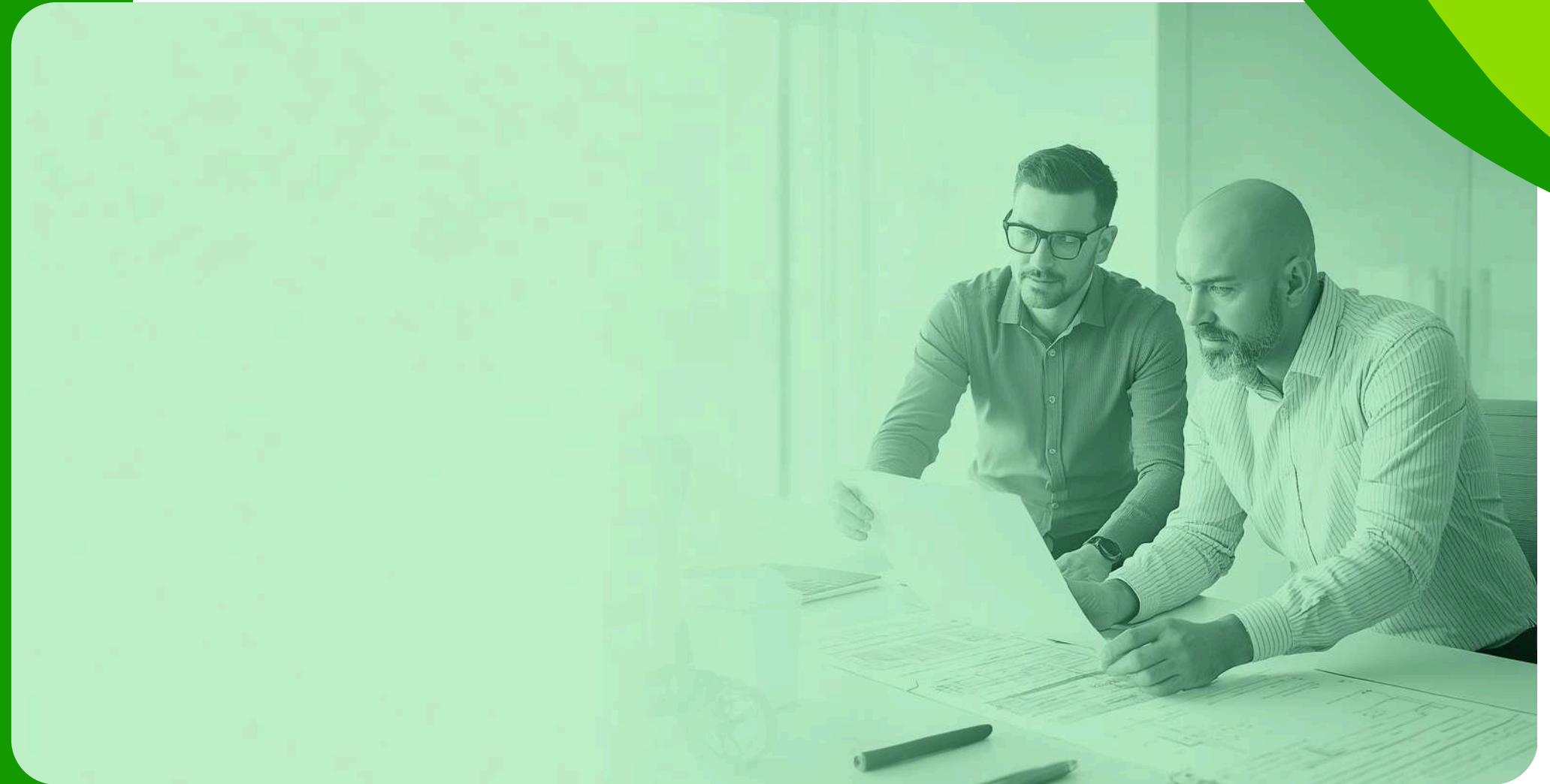


YOU BRING THE PROJECT. WE HELP YOU BUILD IT.

The capstone project is the heart of this program. Guided by faculty mentors, participants apply every session to a real site — sizing, modelling, sourcing, and presenting a defensible BESS + Solar proposal. Thesis submission and cohort presentation included.

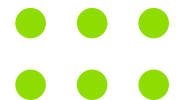
✓ Load profile analysis, Solar + BESS sizing, Architecture & safety design, Dispatch logic & EMS strategy.

✓ ROI & savings model: Time-of-Day arbitrage, demand charges, payback period & IRR analysis.



✓ Scope 2 offset calculation, Sourcing & vendor selection, Compliance mapping to BRSR, GRI & CDP.

✓ Final bankable proposal: faculty-mentored thesis submission, evaluation & cohort presentation.





LEARN FROM COMMISSIONED REFERENCE DEPLOYMENTS

Real-world BESS + Solar installations that form the backbone of this program. Each case study is drawn from commissioned, operating deployments – giving participants credible, defensible references for their own capstone proposals and professional practice.



Large Hybrid
Microgrid



Brownfield Genset +
BESS Station



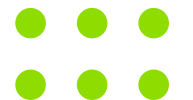
Aluminium
Manufacturing Plant



Containerised C&I /
Utility BESS



66 MW / 83.46 MWh
BESS





WE TEACH YOU WHERE & HOW TO SOURCE

Transition from theory to real-world implementation. Learn to qualify vendors, compare proposals, apply technical and commercial scorecards, identify red flags, and navigate procurement with confidence — building bankable BESS + Solar sourcing decisions.



01

Vendor Qualification

Qualification criteria, approvals checklist & policy/tariff pointers

02

Scorecards & Red Flags

Technical & commercial scorecards, red flag identification & proposal comparison

03

Procurement Mastery

Procurement questioning, vendor selection framework & sourcing strategy





PROGRAM FACULTY

Kishore Mahamunkar & Sachin Rana – Automation & Sustainability Experts
Combined 30+ years of hands-on experience spanning technical design, industrial automation, and corporate sustainability. Together, they bridge the gap between engineering rigour and business strategy in BESS + Solar deployments.

Kishore Mahamunkar brings deep expertise in industrial automation, energy systems integration, and BESS architecture. Sachin Rana specialises in sustainability strategy, ESG frameworks, and Net Zero advisory for corporates.

Entirely delivered under IICSR accreditation – International Institute for Corporate Sustainability & Responsibility.



 [Sachin Rana](#)



 [Kishore Mahumankar](#)



PROGRAM FEES

Invest in your expertise. All fees include full access to live sessions, materials, capstone mentoring, and IICSR certification.

Fees: INR 15,000 (incl GST): <https://easebuzz.in/pay/IICSRGroup>

IICSR Alumni: INR 10,000 (incl GST): <https://easebuzz.in/pay/IICSRGroup>

Deliverable

Live Sessions + Modules

Frameworks/Tools developed

Course recordings and materials life long access

Mentorship/Networking opportunities

Capstone & Certification

Details

NGO/Student discount available

Special rates for group & corporate nominations

16 hours live online | 8 expert-led modules

Mentoring, thesis submission, evaluation & IICSR certificate

Value

Quantify Scope 2 Reduction

Design Stable Power Systems

Model Bankable Energy Savings

Select Reliable BESS Vendors

Build Real-Site Proposals



WHAT LEARNERS SAY ABOUT IICSR

"This program transformed how I approach energy decisions – the BESS sizing and ROI models are directly bankable."

– Energy Manager, Manufacturing Sector

"Real-world case studies made every concept click. I could immediately apply this to our ESG reporting."

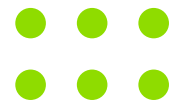
– CSR Lead, Infrastructure Firm

"No engineering background needed – the faculty explained everything from first principles. Career-defining learning."

– Sustainability Consultant

"The capstone project gave me a defensible BESS proposal I could present to our board with confidence."

– Net Zero Lead, Commercial Real Estate

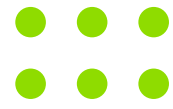




INTERNATIONAL INSTITUTE FOR CORPORATE SUSTAINABILITY & RESPONSIBILITY

IICSR is a globally recognised institution delivering sustainability education, research, and advisory. Our programs span ESG, CSR, Net Zero, climate action, GHG reporting, circular economy, and carbon markets – equipping professionals with applied, future-ready capabilities.

Accredited by: ACTD USA | EAHEA Europe | MEPSC/NSQF India



LEARN FROM A SUSTAINABILITY INSTITUTION, NOT JUST A TRAINING PROVIDER

IICSR delivers industry-relevant, applied learning programs that bridge the gap between sustainability awareness and real-world implementation. Our faculty brings decades of combined technical and business expertise – equipping professionals with practical tools, global context, and certification that employers trust.



01

Applied Learning

Industry-relevant programs with real projects, calculators & ESG/Net Zero frameworks

02

Global & Indian Context

Strong ESG, CSR & Net Zero knowledge spanning corporate and industrial ecosystems

03

Practical Certification

IICSR-accredited: moves professionals from awareness to implementation



Testimonials

"IICSR has conducted stupendous training to our entire Board and went to the nuances of explaining the concepts of CSR and Sustainability." - Sanjukta Raiguru, MD SBI Foundation

"IICSR Group has introduced innovative thinking to the NGO sector. The Social Return on Investment (SROI) Training and Analysis conducted by them has given new perspective to our work. "- Mr. Anthony Samy, Founder ALERT,India

"The learning by the tutors by highly practical and industry expert interaction helped in better understanding of the topics." - Ankaj Sharma, Reliance Foundation (Cohort - Sustainability Indices)

"Excellent institute providing excellent blend of theory, practice and involving themes , very well connected to Industry and Global thought leaders . Very Sincere approach." - P.K Saklecha, Indian Oil Corporation Limited (IOCL) (Cohort - COVID19 Transformation of CSR and Sustainability to New Era)



Video Testimonials

Nixon Joseph Faculty and Advisor

http://www.youtube.com/watch?v=eK20j-G_XnQ

Feedback Given by Masters in ESG Student Abhirami

http://www.youtube.com/watch?v=eK20j-G_XnQ

Ms Anushree Eshwar PGP in CSR and Sustainability Student

http://www.youtube.com/watch?v=eK20j-G_XnQ

Satyam Masters in ESG Student

http://www.youtube.com/watch?v=eK20j-G_XnQ

Johny Talreja From Masters in CSR and Sustainability Student

http://www.youtube.com/watch?v=eK20j-G_XnQ

Henry Ejilen Master's in ESG Student

http://www.youtube.com/watch?v=eK20j-G_XnQ

Henry Jean Daniel Masters in ESG Students

http://www.youtube.com/watch?v=eK20j-G_XnQ

Sundharesan Advance CESG Student

http://www.youtube.com/watch?v=eK20j-G_XnQ

ENROL NOW

Build expertise in the most critical clean energy technology of our time. Join the BESS + Solar Deep Dive Program – certified by IICSR – and become a specialist in Battery Energy Storage, Net Zero strategy, and industrial decarbonisation. Limited seats available. Secure your place today.



Contact Information



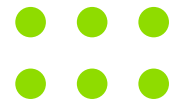
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THANK YOU

We look forward to welcoming you to the BESS + Solar Deep Dive Program. Together, let's build a cleaner, more resilient energy future.
"Building sustainability professionals for a responsible future."

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