

नमो तस्स भगवतो श्रुतहृतो सम्मासम्बुद्धस्स

MULTISPECTRA CONSULTANTS

CIVIL ENGINEERING, SOFTWARE ENGINEERING

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ENGINEERING FOR A BETTER TOMORROW

MultiSpectra Consultants Training to Ensure Quality Control of Concrete

MultiSpectra Consultants brings to the construction industry a very **ENERGETIC** way of interaction-based training for Cement Concrete.

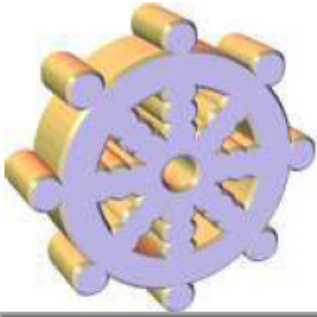
Why should you train your personnel?

- 1) Help them grow in the organization by learning new subjects.
- 2) To refresh / upgrade their existing knowledge of a subject by a different approach.
- 3) To prepare them to solve the problem issues faced either in current project or expected in a new project.

Let me tell you more about my system of training:

- 1) I don't do normal classroom training sessions like general trainers usually do. They are relatively boring and usually don't focus on the execution level requirements, which ultimately leads to waste of time and money.
- 2) I do trainings in a very interactive and problem solving way by actually discussing the pain points faced by your personnel during execution and also addressing the issues and difficulties faced by your company in the past.
- 3) Training is very subjective term and depends on how much the person himself is involved in learning the topic.
- 4) Only when a participant asks a question or takes effort to find an answer he turns more receptive to knowledge.
- 5) All my training programs are tailor made and thus I generally require preparation time of minimum 15 days.
- 6) From 1st day I start interacting with the full list of the participants before the actual training to generate interest.
- 7) The actual sessions are based on 2-way interaction and problem solving of major pain points to help the participants take involvement by asking questions and generating answers within the group thus they take away fulfillment.

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8) Basic literature to navigate the theme of a session is provided from my side along with book references.

9) In most cases a short test/quiz will be given to the participants at the end of the session to check their understanding.

How the actual training will happen:

1) Each session will be typically of 3 hour duration but depending on the interaction it can be extended by 90 minutes.

2) My training programs are tailor made and so I will require preparation time of minimum 10 days.

3) During the preparation period I form a WhatsApp Discussion Group for all the participants and initiate the process of letting them ask any type of question, selected questions will be picked up for discussion during the session.

4) In case of multiple sessions, serious effort is put in to understand and mentor the specific talents of the participants.

5) I have 6 standard modules for concrete training viz: Lab, Execution, Systems, NDT, CMD and Durability.

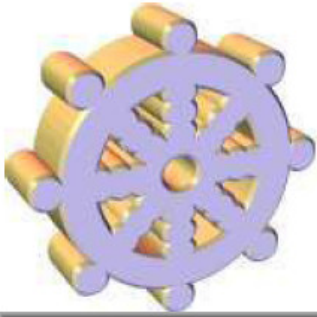
6) The LAB Module will cover the laboratory issues of Concrete materials (Cement + Pozzolana + Aggregates + Admixtures + Water), Fresh concrete parameters + testing, Purpose of curing, Cube casting + handling + testing.

7) The EXECUTION Module will take the discussion further to execution issues focusing on provisions of I.S.456, strength analysis, statistics (SD), NDT (Briefly), corrosion, cracks, bleeding, pumping, temperature and compaction.

8) The SYSTEMS Module will discuss about the approach to Mix Design, checking of external designs, Reconciliation checks, yield control, recording systems, importance of durability and reasons / factors for deterioration of concrete.

9) The NDT / CMD / DURABILITY modules are topic focused and help in understanding these

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subjects in details.

10) To keep the competitive spirit and to maintain the interest of the participants I usually conduct a contest for best QUESTION asked and best ANSWER given and special certificates will be given to them to recognize their efforts.

11) After the full completion of all the training sessions a participation certificate will be given to all the participants.

12) Most importantly you will be given an internal assessment report of each member highlighting their strengths specifically to the field of concrete handling which you can refer, to further groom your in-house talent.

Other Conditions:

1) Maximum 15 technical participants are allowed for each training session (can be relaxed for supervisory staff).

2) All my training sessions are copyrighted and you are not allowed to do the Audio or Video recording of the session.

3) We do video shooting for our internal purpose and it is not shared with your organization.

4) If you need specific project based training then you need to submit full tender documents 15 days in advance.

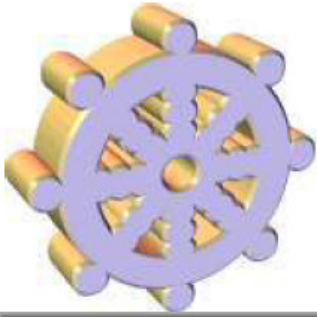
5) Preparations of place / projector / presentation accessories are to be done at your end.

6) If the training is in multiple sessions, then I prefer to keep certain duration between successive sessions.

Advantages of my training:

1) Your staff will achieve a great fulfillment of knowledge about many practical aspects of con -

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crete execution.

2) *The lab engineer and lab assistant will have much more confidence to control concrete in a scientifically correct way.*

3) *Overall your staff will have more patience and insight for solving the problems faced by them and by the contractor.*

4) *The senior staff will be better prepared to identify genuine contractor problems and confidently face the auditors.*

5) *Better understanding of the details will also lead to saving of natural resources such as cement and thus not only help you do more saving but also save the precious natural resources of our country from destruction.*

6) *Proper reconciliation will not only help in keeping control on quality but also help in huge additional savings.*

Clientele served by MultiSpectra Consultants:

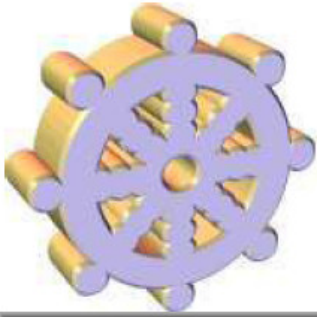
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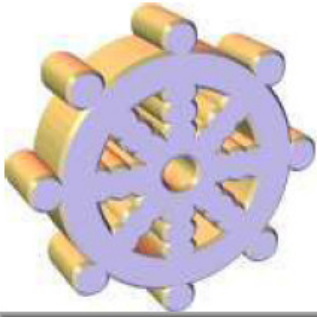
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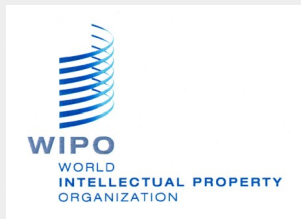


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prises in Information Technology (AIM-IT).

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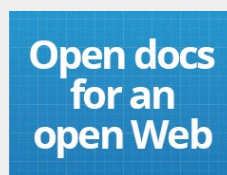


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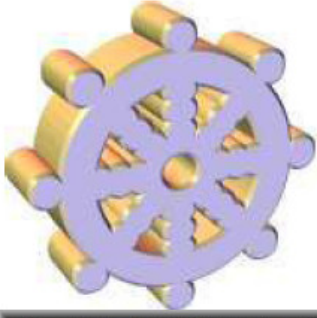
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For and on behalf of MultiSpectra Consultants,

AK Bhalocharya

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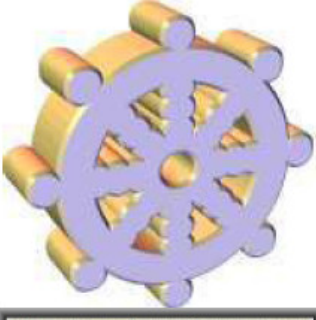
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