INTRODUCTION:

Modern world is passing through very critical and crucial environments. On one hand, there has been a recess in world economy, on the other hand, global warming, nuclear disarmament, terrorist attack, political intervention are becoming prevalent and predominant. They both deteriorate the quality of life of people across the world in general, for the developing countries in particular.

In science and technology, we have contributed as well as achieved commendable success. But as human being, our situation, regarding peaceful co-existence, has gone down. Now it is the right time to see our inner parts and carry out well defined engineering processes and methods as laid down in our culture and scriptures in order to restore our glory which was present in our early times.

We confront with engineering problems which are highly complex in nature and try to solve them, in order to restore the services. We visualize the problems and storm our brains in order to explore the possible reasons and causes for the failures of the engineering systems and take eclectic decision in order to put them in the operational mode.

Even in the very inception stage of design of an engineering product, we visualize the potential causes of failure and make necessary remedial actions. We also extend these ideas in the procurement of raw-material, production, inspection, transportation, logistics
and delivery of products to the customer at the right time, at right quality and at a reasonable price.

Inner engineering is not an esoteric subject. It primarily deals with the study of philosophy of life as well as mind with a view to solve industrial problems through visualization as well as thought experiments before these are finally resolved in field.

Inculcating and cultivating holistic ideas and thoughts, as expounded and propounded by the stalwarts of the world, lead us to a higher dimension of life so that highest potentiality, embedded in every individual can be manifested and it can be efficiently and effectively utilized in augmenting productivity of individual, society, organization in particular and the nation in general.

In this refreshers course we emphasize on how great thinkers of the world used to think to solve their problems. At the same time TRIZ, developed in the year 1946, will be discussed in order to show more light on this dimension. It includes a practical methodology, tool sets, a knowledge base, and model-based technology for generating newer ideas and solutions for problem solving.

Fundamentals of Neuro science as well as the essence of cognitive science will also be discussed regarding how brain and mind can take decision in a complex industrial problem.

Theory of motivation, training of mind, stress management and guided meditation will also be covered in the refresher course.

**SUBJECT AREAS TO BE COVERED:**

- Fundamentals of Neuro Science.
- Great thinkers of the world: Ancient Period
  - Medieval Period
  - Modern Age
- Theory of Motivation.
- Music & Mind.
- Stress Management
- TRIZ
- Science of human possibility.
- Training of mind.
- Visualization.
- Sound of silence.
- Work place Illumination.
- Guided Meditation.
**ELIGIBILITY**
Full time faculty members of AICTE/UGC approved colleges and Universities of India are eligible for the course.

**APPLICATION PROCEDURE**
Hard copy of the application in plain paper (see the Jadavpur University website) duly forwarded by the Head of the Institution, should reach the Director, ASC by 10th June 2012. Scanned PDF file of the signed and duly forwarded application form must be sent by e-mail to the coordinators (should reach before 10th June, 2012).

**COURSE FEE**
All candidates must send a Demand Draft / Banker’s Cheque of Rs. 500/- as ‘Registration fee’ (nonrefundable) in favour of 'JADAVPUR UNIVERSITY' drawn on SBI, payable at Kolkata only after receiving the intimation of their provisional selection in refresher course. Acceptance of application shall be as per eligibility norms of UGC.

**FOODING & LODGING**
As per UGC norms, the selected outstation participants will be entitled to 2nd class railway fare (AC 3 tier over 500 kms or more than 12 hours of journey) and daily Rs. 200/- towards boarding and lodging while the local participants will be entitled to Rs. 100/- for daily hospitality. Outstation participants should arrange for their own accommodation.

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Application form can be downloaded from: http://www.jaduniv.edu.in/asc.php