JK Lakshmipat University (JKLU) is a private university recognized by the Government of Rajasthan and covered under section 21(1) of the UGC Act, 1956. The university is promoted by Lakshmipat Singhania Foundation for Higher Learning as a sponsoring body.

JKLU is supported by the 100 years old JK Organisation, which under the visionary leadership of late Shri Hari Shankar Singhania, its former President, achieved an exemplary growth in diversified industries with a lead position in major businesses. Successful enterprises of the JK Group include JK Tyre, JK Paper, JK Lakshmi Cement, JK Fertilizer, JK Seeds and Usmang Dairies. Enriched with extensive experience of the diversified group companies, JKLU focuses on building the youth of the country to face challenges and demands of businesses today and in future.

Location map
The University is situated approx. 19.5 kms from State Road Transport Corporation (Bus Stand, Sardha Circle), 16.5 kms from the Jaipur Railway Station, 25 kms from Sanganeer Airport & 2.5 kms from Jhalrapatan NH 8 Connect Road for Mahindra SEZ.

JK Lakshmipat University
Campus: Near Mahindra SEZ, Mahapura, Ajmer Road, Jaipur - 302 026 (Rajasthan) India
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jklu.edu.in

Growing consciousness and impetus on enforcement of environmental regulations is catalyzing Indian industry to stricter compliance with norms related to emission control. Non-compliance often leads to heavy penalties and in certain cases complete closures.

To overcome such risks, industry is gearing itself to effectively monitor and analyze their emission levels to keep them within the specified limits. However, acute shortage of skilled manpower which is particularly acute with latest developments in environment compliances is a cause of concern for the industry today.

To overcome this challenge, JK Lakshmipat University has introduced an extensive training program on Environment Analysis and Monitoring (EAM). The program is specifically designed for existing and potential employees charged with the responsibility of managing environment compliances across various industries.

Once trained, these certified environmentalists will play a lead role in enhancing the environmental compliance of their respective units.
Advantages to sponsoring organizations

1. Safeguard against potential penalties arising out of environment non-compliance.
2. Save time and cost involved in conducting on the job training.
3. Save cost by conducting sampling, testing & analysis in-house by proficient staff.
4. Efficient handling & maintenance of pollution measurement & control equipments.
5. Improve environment compliance level of your manufacturing unit.
6. Improve your goodwill and ability to showcase as a better corporate citizen.

The training methodology is an unique blend of theory and practice, with special emphasis on extensive hands on training that will be conducted at a selected manufacturing unit.

Candidates will gather all the necessary knowledge and skills required to collect samples and use suitable instruments to analyze air, water and soil quality levels. Candidates will also acquire skills required to operate & maintain various pollution measurement & control equipments. Additionally, they will be updated on laws related to environmental clearances & audits.

Course Commencement date: April 20, 2015
Course Duration: 02 Months (Certificate Credits: 15; Full time - Residential basis)

The program aims to produce certified professionals having knowledge & skills in water, air and soil quality monitoring & environmental research.

Key learning outcomes of the program are as follows:

Knowledge outcomes:
1. Understanding of basic concepts, principles and approaches to environmental analysis and assessment
2. Understanding of various sampling and analysis techniques as per ISO standards.
3. Explanation of principles behind chemical measurement techniques used in monitoring.
4. Explanation of chemical analysis used in assessment of standard contaminations, additional specific contaminants such as heavy metals, inorganic and organic in complex environmental conditions shall also be covered.
5. Understanding of Environment, Audits and laws related to environment clearances.

Course objectives:
1. A unique offering of the program is extensive hands on training imparted at selected industrial units which is almost 50% of total course duration.
2. Exposure to state of the art infrastructure of JKLU and well-equipped laboratories at both JLU as well as Industrial training units.
3. Modular program with credit transfer facility to apply for diploma / degree certification from JLU/under the same stream in future.

Course benefits:
1. Industries categorized as ‘Orange’ or ‘Red’ by MDEF such as cement, pulp & paper, thermal power plants, distilleries, mining, textile etc. and those that require proper environment assessment as well as adquate pollution control measures under schedule 1 of EIA notification to operate in the current scenario shall find immense applicability of the program in their day to day operations.

2. Additionally, regulatory agencies such as Central Pollution Control Boards, Public Health Engineering Departments and other line agencies will find similar value in the program.

Environment analyst / chemists working or desirous of working in these industries / agencies should apply for the program.

Preliminary qualification to apply for the course: Applicants should meet at least one of the following criteria:
1. Graduate degree in Science (B.Sc.;)
2. Diploma in Environmental Science, Chemical Engineering,or
3. Technicians with ITI certificate along with at least 3-4 years of work experience in the area of environmental testing or compliance.

Course structure:
The 2 months / 8 weeks program is split into three components:

<table>
<thead>
<tr>
<th>Component</th>
<th>Duration (Week No.)</th>
<th>Location</th>
<th>Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3 weeks (1 - 3)</td>
<td>JKLU, Japur</td>
<td>Training on fundamentals &amp; concepts; Theory and practical aspects of sampling &amp; assessment. Exposure to pollution control &amp; monitoring equipments.</td>
</tr>
<tr>
<td>2</td>
<td>4 weeks (4 - 7)</td>
<td>Plant site</td>
<td>Hands on exposure to procedures, techniques &amp; assessment methods for pollution monitoring &amp; assessment.</td>
</tr>
<tr>
<td>3</td>
<td>1 week (8)</td>
<td>JKLU, Japur</td>
<td>Report writing, presentation; submission of project report; examination and evaluation.</td>
</tr>
</tbody>
</table>

Assessment criteria and evaluation scheme

Candidates’ assessment will be based on his / her overall performance in theory, practical and project work. Evaluation shall be a combination of formative and summative assessments. Candidates securing more than 40% marks in the overall assessment will be awarded a certificate for successful program completion by JKLU that shall carry 15 credits.

Note: Credits acquired under this program module are transferrable and can be utilized by candidates for securing a diploma / degree certificate in future.

Trainers & Faculty to undertake the training shall be drawn from both academic as well as industry. Mentors will be assigned to each candidate for the entire duration of the program. Eminent guest faculty shall be invited from recognized bodies & prestigious institutions (both government as well as private) operating in the environment & pollution control space, to guide candidates on specific modules. A tentative list of faculty and trainers is given below.

Prof. Dr. Narayan K Sharma
VP Projects, JK Lakshmi Cement
* Qualification: MS Degree from IIT Delhi
* Years of experience: 25 years
* Other specializations, awards and recognitions: Specialist in cement industry, has authored more than 25 publications on various in-house innovative works carried out in the cement industry.

Dr. Nehe Sharma
Prof. at JK Lakshmi University
* Qualification: PhD. in Chemical Process Control
* Years of experience: 5 years
* Other specializations, awards and recognitions: Specialist in cement engineering, has developed cement process control software.

Dr. Shahnawaz Khan
Prof. at JK Lakshmi University
* Qualification: PhD. in Synthetic Organic & Medicinal Chemistry
* Years of experience: 5 years
* Other specializations, awards and recognitions: Specialist in green chemistry, organic synthetic and medicinal chemistry. He was awarded with the Young Scientist Award for his research work.

Mr. Vinod Vishwakarma
Prof. at JK Lakshmi University
* Qualification: M.Tech in Environmental Engineering
* Years of experience: 2 years
* Other specializations, awards and recognitions: Specialist in Environmental engineering, Biological waste treatment, Solid waste management, Green computing and Waste water treatment.

Fee structure

Participation fee for the program is Rs. 46,000 (plus service tax)

The fee includes the following:
1. Tuition fee
2. Accommodation - both at JKLU as well as Plant site (on twin sharing basis)
3. Meals - breakfast, lunch and dinner (including tea / snacks)

The candidates will have to bear the following travel related expenses:
1. From home location to JKLU, Jalpur (Campus) and return
2. From JKLU, Jalpur (Campus) to állotted industrial training site and return

Note:
1. Candidates residing in Jalpur may choose to not avail the accommodation facility at JKLU. A deduction of Rs. 9,000/- in total fee can be availed in such cases; however, candidates will have to make their own arrangements to reach JKLU campus.
2. Training, both at JKLU as well as at plant site will be conducted on 6 days per week, 5 days a week basis.

Contact details for registration:

Kindly drop an email to: director.iet@jklu.edu.in or Fax: 0141-7107500
You may also download the registration form from our website: www.jklu.edu.in

Note: Number of candidates is restricted to 25 per batch. Registration will be confirmed on first come first serve basis.

Last date for registration is March 21, 2015.