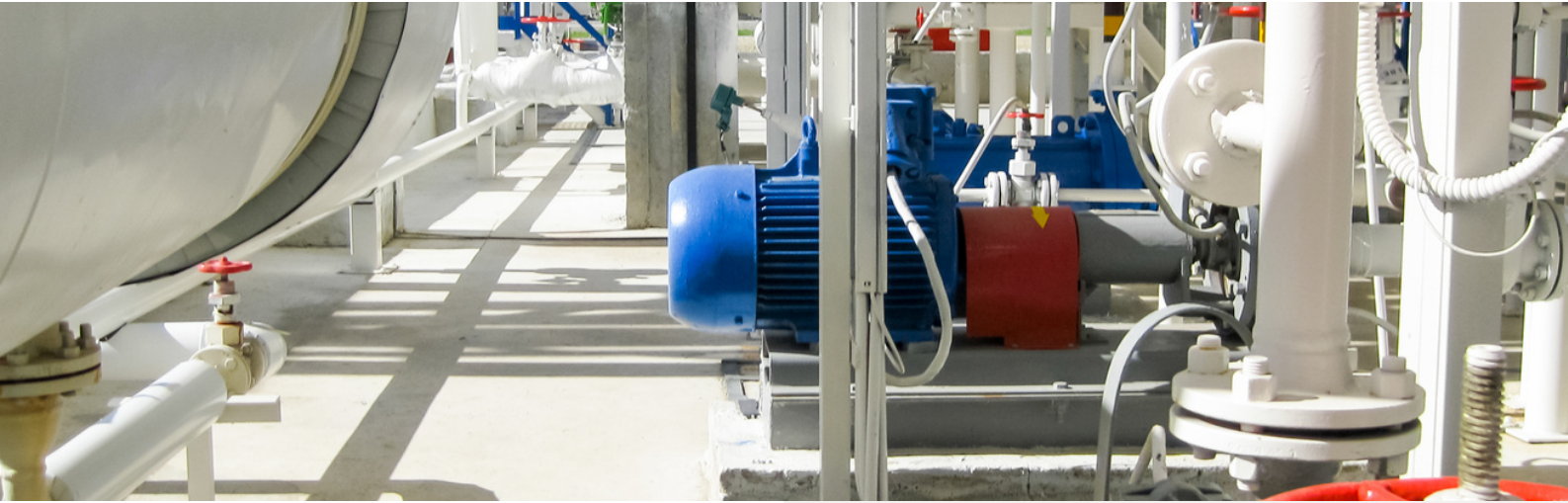


# Centrifugal Pumps: Problem Identification and Problem Solving for Industries



## About us

### Who we are

The Centre for Continuing and Professional Education (CPE) was established in 1999 to provide continuing professional education and lifelong learning opportunities for University's staff, students, alumni and the public. As part of TAR UMT's commitment to continuing education and lifelong learning, CPE is entrusted with designing, developing and delivering various activities, workshops and programmes to meet the diverse learning needs of multiple parties.

## About This Training

It can rightly be claimed that no machine and very few tools have had as long a history in the service of man as the pump or have filled as broad a need in his life. Every process which underlies our modern civilization involves the transfer of liquids from one level of pressure or static energy to another. Pumps have played an essential role in our life since civilisation dawn. This course is an industry designed to provide a broad understanding of the improvement methodology, concepts, and process. The methodology is presented with case studies and examples drawn from service, business processes and manufacturing applications. The integration of manufacturing and maintenance is also addressed. With a heavy practice orientation, as much as a third of your time will be spent working through interactive practical exercises and assessments.



### Date and Time

24 -25 May 2023  
Wednesday to Thursday  
9 AM to 5 PM



### Training Venue

TAR UMT  
Jalan Genting Kelang, Setapak  
53300 Kuala Lumpur



### Trainer

Ir Dr. Jayaseelan

# COURSE CONTENTS



## SPECIFICATIONS, INSTALLATION AND OPERATION

- INTRODUCTION
- NET POSITIVE SUCTION HEAD AND SPECIFIC SPEED
- PUMP AND SYSTEM CHARACTERISTIC CURVES



## MOTOR SIZING AND APPLICATION

- POWER, EFFICIENCY AND ELECTRICAL REQUIREMENTS
- VARIABLE SPEED SYSTEMS



## MAINTENANCE AND TROUBLESHOOTING

- AFFINITY LAWS
- PUMP INSTALLATION, ALIGNMENT AND FIELD TESTING METHODS
- PUMP OPERATIONS AND MAINTENANCE
- VIBRATION ANALYSIS
- SAFETY AND PUMP PLANT RENOVATION

## Introduce our Trainer

Ir Dr. Jayaseelan

Ir Dr. Jayaseelen was a recipient of the Association of Overseas Technical Scholarships (AOTS) award on two occasions, awarded by the Ministry of Economy, Trade and Industry of Japan. He was also a member of the working group to draw up the energy efficiency and energy conservation guidelines for pumps and compressors for Malaysian industries under the Institution of Engineers, Malaysia, Pusat Tenaga Malaysia, and the Ministry of Energy, Water and Communications. He is current Co-Chair of the Malaysian Green Building Index Accreditation Panel (GBIAP).



Click/Scan for enquiry



## Contact Us



Centre for Continuing and Professional Education

+603-4145 0170  
+601110758530 (whatsapp)

training@tarc.edu.my  
<https://www.tarc.edu.my/cpe/>

# Centrifugal Pumps: Problem Identification and Problem Solving for Industries

Venue: TAR UMT, Jalan Genting Kelang, Setapak, 53300 Kuala Lumpur

Date: 24 - 25 May 2023 (9.00 am - 5.00 pm)



CENTRE FOR CONTINUING & PROFESSIONAL EDUCATION

## REGISTRATION FORM

**Fees:**  Public RM 795.00 per participant (inclusive of 6% Service Tax)  TAR UMT Student/Alumni RM 636.00 per participant (inclusive of 6% Service Tax)

**The Manager**  
TARC Education Foundation (1033820M)  
Tunku Abdul Rahman University of Management and Technology (TAR UMT)  
TEL: 03-4145 0170

Email: training@tarc.edu.my

Dear Madam / Sir,

Please register the following participant(s) for the above programme: (To be completed in BLOCK LETTERS)

<b>1</b> Name :	IC No. :	Nationality :
<input type="text"/>	<input type="text"/>	<input type="text"/>
Email:	Mobile No. :	Designation :
<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>2</b> Name :	IC No. :	Nationality :
<input type="text"/>	<input type="text"/>	<input type="text"/>
Email:	Mobile No. :	Designation :
<input type="text"/>	<input type="text"/>	<input type="text"/>

(If space is insufficient, please attach a separate list)

### Disclaimer

Registration is on a first-come-first-served basis. All cancellations must be made in writing. Cancellation made 14 days or more in advance of the workshop date will receive full refund. Cancellations made thereafter will be subjected to a cancellation fee of 50% of the workshop fee. All fees are payable in the event of non-attendance of any registered participant(s) or the overall attendance falls below 75% of total workshop hours. Replacement(s) can be accepted at no additional cost if notified 24 hours prior to the commencement of the workshop. The Tunku Abdul Rahman University of Management and Technology reserves the right to change the speaker, reschedule or cancel the workshop and all efforts will be taken to inform participants of the changes.

We hereby confirmed that (please tick accordingly):

- We will be claiming under **HRD Corp Claimable Course** and full payment would be made to Tunku Abdul Rahman University of Management and Technology in the event that no disbursement from HRD Corp under any circumstances.
- We will **NOT BE CLAIMING** from HRD Corp. Payment will be made to account payee TAR UMT by cheque or bank transfer to Public Bank Account No. 3 1 8 1 5 6 4 1 1 3. Kindly submit your payment remittance to training@tarc.edu.my together with this registration form.

### Submitted by

Name :	Designation :	Department:
<input type="text"/>	<input type="text"/>	<input type="text"/>
Email :	Telephone No. :	Mobile No. :
<input type="text"/>	<input type="text"/>	<input type="text"/>
Company Name:	Company Registration No. :	
<input type="text"/>	<input type="text"/>	
Company Address :	Company Stamp & Signature :	Date :
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