

REPORT OF
IE(I) MCDB sponsored
One workshop on
“Scope for Mechanical
Engineers in HVAC & R
Sector”

On
10th July 2023



The Institution of Engineers (India)

(Established 1920, Incorporated By Royal Charter 1935)
(A Scientific & Industrial Research Organization)
(A century of Service to the Nation)



PUDUCHERRY STATE CENTRE

(Ground Floor, PWD Campus, No: 63, N.S.C Bosa Salai, Puducherry-605001)
www.ieipsc.org, Email: puducherry@ieindia.org, Mobile : 9489766701

The Chairman, Honorary Secretary and Members of The IEI Puducherry State Centre
Cordially invites you for the

One Day Workshop on Scope for Mechanical Engineers in HVAC&R Sector (Heating, Ventilation, Air Conditioning & Refrigeration)

On Monday 10th July 2023 at 9.30.a.m

Under the Aegis of

MECHANICAL ENGINEERING DIVISION BOARD, IE(I)

In Association with

Department of Mechanical Engineering



KARAIKAL POLYTECHNIC COLLEGE

(Sponsored by Govt. of Puducherry)

Varichikudy, Karaikal-609 609

Mr. K. FRANCIS, M.E.

PRINCIPAL
KARAIKAL POLYTECHNIC COLLEGE,
Karaikal

Will be the Chief Guest

Dr.S.THROUGHANAME, FIE. &

Honorary Secretary, IEI PSC
Proposes Vote of thanks

Dr. B. RADJARAM, FIE.,

Chairman, IEI PSC
Welcomes

Er.K.JAYARAMAN, MIE
Committee Member

Dr.D.CANDANE, M.Tech, Ph.D.
HOD/Mech, KPTC

Er.D.KARUNAKARAN, FIE.
Committee Member

Felicitates

Venue: Conference Hall, Karaikal Polytechnic College

The Institution of Engineers (India) is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a platform to share professional interests. This year, The Institution of Engineers (India), Puducherry State Center under the aegis of Mechanical Engineering Division Board IE(I) in association with Department of Mechanical Engineering, Karaika Polytechnic College, Varichikudy, Karaika-609609 organized one day Workshop on “**Scope for Mechanical Engineers in HVAC & R Sector**” on **10th July 2023**. HAIER Appliances India Ltd was the Technology Partner of the event , they shared their expertise, displayed different products and demonstrated the installation , service and checking of AC equipments

Inaugural session

The Inauguration of the one day Workshop on “**Scope for Mechanical Engineers in HVAC & R Sector**” started on 10th July 2023 at 9.30 am with a prayer song, IEI Anthem followed by a video presentation on IEI.



Dr. K. Senthilvel, Lecture/Mech, Karaikal Polytechnic College gave introduction about the one workshop to the gathering.



Er. K.Francis, Principal, Karaika Polytechnic College .Chief guest of this one day workshop lighting the Traditional lamp.



Dr. B. Radjaram, Chairman, IE(I) Puducherry State centre & IE(I) Council Member and Dr. S. Thirougnaname Honorary secretary of lighting the Traditional lamp along with committee members of IE(I) Puducherry state centre.



Dr. B. Radjaram, Chairman, IE(I) Puducherry State centre & IE(I) Council Member along with IE(I) PSC committee honored the Chief Guest Er. K.Francis, Principal, Karaika Polytechnic College with a shawl and memento.



Dr. B. Radjaram, Chairman, IE(I) Puducherry State centre & IE(I) Council Member welcomed the gathering. He extended his wishes to all the dignitaries and participants. He wholeheartedly thanked the IE(I) CATE & MCDB CHAIRMEN. Committee members and Karaikal Polytechnic College staff members for making this one day Workshop on “**Scope for Mechanical Engineers in HVAC & R Sector**” happen in Karaikal Polytechnic College, Karaikal and he also extended his wishes to the academia, Industry and students who are participating the workshop with a thrust to learn HVAC & R. He also mentioned clearly about the IE(I) PSC activities and highlighted benefits of becoming IEI corporate Members and Institution Member. He gave a brief note of HVAC & R Sector its potential growth in future and Mechanical engineers role



Dr. D. Candane, HOD/Mech. Karaika Polytechnic college, delivered the felicitation address.



Er. D. Karunakaran, Committee member- Mechanical IE(I) Pondicherry State Centre delivered the felicitation address.



Mr N. Delli Babu Regional Manager, HAIER INDIA LTD delivered the felicitation address .



Er. K.Francis, Principal, Karaika Polytechnic College delivered the Chief Guest address by thanking IE(I) PSC for organizing this one day workshop in Karaikal Region for the benefits of Students, Engineers, Academician from various concern also He thanked the IE(I) PSC Chairman and Committee members for conducting this program particularly choosing Karaikal Polytechnic College as Host Venue.



Dr. S. Thirugnaname, Hon. Secretary, IEI PSC delivered inaugural session vote of thanks.



Totally 106 Participants participated in this program

Technical Session I



Mr.R.Ilandjezian, Assistant Professor, Dept of Mechanical Engg, Manakula Vinayagar Institute of Technology, Puducherry delivered session I lecture on the Topic **“Cold Chain & Cold Storage”**.



He briefly explained about basics, current scenario and opportunities for mechanical engineers in one of the vertical in HVAC & R i.e. Cold chain and Cold storage to the participants with case various studies. Also he explained various schemes available in MOFPI for starting up a new business in cold storage area.

Technical Session II



Mr.A.Thiagarajan, Assistant Professor, Dept of Mechanical Engg, Manakula Vinayagar Institute of Technology, Puducherry delivered session II lecture on the Topic **“Indoor Air Quality & Ventilation”**.



He briefly explained briefly need of Indoor Air quality & Ventilation in Hospitals, Research centers, Modern Hotel Kitchens, Pharmaceuticals Industries, Electronic Manufacturing Industries etc... Also he explained various certification courses available for Clean room , Indoor air quality for job opporunities.

Technical Session III



Dr.B.Radjaram, Professor & Head , Dept of Mechanical Engg, Manakula Vinayagar Institute of Technology, Puducherry delivered session III lecture on the Topic **“Safety with Advanced Technologies for HVAC sector”**.

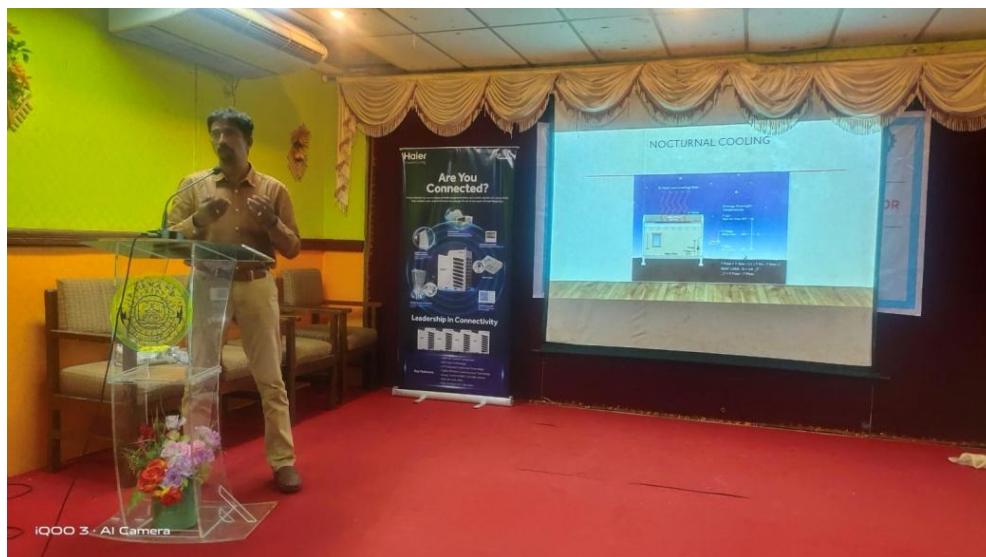


He educated the participants elaborately how safety is important in HVAC Sector and the latest technologies, AI, AR/VR, SENSORS, Robots, COBOTS, etc that can be used to make safety smarter in the HVAC field

Technical Session IV



Dr.D.Candane,Lecturer & HOD, Dept of Mechanical Engg, Karikal Polytechnic College, Karikal delivered session IV lecture on the Topic **“IOT for smart HVAC & R”**.



He explained about role of IOT in the HVAC & R and its importance also he discussed job opportunities in the field of HVAC & R

Technical Session V



Mr N. Delli Babu Regional Manager, HAIER India Ltd delivered session V lecture on the Topic **“Future of HVAC & R Sector –Prospects and Potential”**.

He elaborately discussed the job opportunities in HVAC & R by listing the various segments in HVAC like Domestic, Industrial and Commercial HVAC systems with various installation, operation and Maintenance case studies.

Technical Session VI

Mr N. Delli Babu Regional Manager, HAIER India Ltd and his team conducted hands on Training on HVAC & R with Haier Appliances. Demonstration was given about AC product installation, testing, service, etc



VALEDICTORY SESSION

The valedictory function of the one day workshop on “Scope for Mechanical Engineers in HVAC & R Sector” started at 5.00 pm.





Dr. B. Radjaram, Chairman, IE(I) Puducherry State centre & IE(I) Council Member delivered the welcome address. In his speech he mentioned the future **“Scope for Mechanical Engineers in HVAC & R Sector”** also he pointed out the future demand in HVAC &R sector in India and we must adopt the technological changes and strengthen our self for the future for building new India by attending the workshops and conference like this. He thanked IE(I) Head Quarters, CATE . MCDB, IE(I) Puducherry state Centre and Karaikal Polytechnic college for their support to made this one day workshop successful ..

Er. D. Karunakaran, Committee member-Mechanical, IE(I) Pondicherry State Centre addressed the gathering with the consolidated report of the one day Workshop. Participation certificates were distributed to Participants by Dr. B. Radjaram, Chairman, IE(I) Puducherry State centre & IE(I) Council Member , Dr. S. Thirougnaname, Honorary Secretary, IE(I) Puducherry state Centre, Er. D. Karunakaran, Committee member-Mechanical, IE(I) Pondicherry State Centre , Mr N. Delli Babu Regional Manager, HAIER

India Ltd and Dr.D.Candane, Lecturer & HOD, Dept of Mechanical Engg, Karikal Polytechnic College, Karikal. After certificate distribution feedback from the participants were asked by organizing committee. Participants appreciated and thanked IE(I) MCDB ,IE(I) PSC and KPTC for organizing a wonderful one day workshop with live demo session on HVAC &R.

The session was wrapped up with a vote of thanks by Dr. S. Thirougnaname, Honorary Secretary, IE(I) Puducherry state Centre.
