Name of Faculty :   Ravi Mathur
Designation: Professor- Adjunct Faculty
  Ex- Dean, Industry Institute Interaction Cell,
  Terna Engineering College, Nerul, Navi Mumbai

 Email: ravimathur@ternaegg.ac.in

Address for Correspondence: A-603, Yash Avenue, Sector-20, Kharghar, Navi Mumbai-410210

Last Occupation: Retired Senior Scientist H+
  Head, Advanced Databases Division
  Bhabha Atomic Research Centre,
  (Government of India)
  Mumbai - 400085

Professional Qualification:

 M.Sc Physics (with Electronics) 1969, Ist. Divn Distinction, Meerut University

Short Biodata:

Appointed at TEC as Professor Adjunct Faculty in 2009 after Superannuation from Bhabha Atomic Research Centre (BARC) as Head, Advanced Databases Division with 37 years professional R & D experience in Computer field. From 2009 to2018 was Dean, Industry Institute partnership Cell of TEC.

Trained on the System software and architecture of Norsk Data Mainframes systems at Oslo, Norway

Under India- CERN collaboration, served as a Visiting Scientist to CERN Labs, Geneva, Switzerland a premier Nuclear Research Lab of Europe, for the design ,development and commissioning of complex Database projects for the Large Hadron Collider Project.

Was responsible for implementing INIS (International Nuclear Information System) a bibliographic information system on Norsk Data mainframe using a CODASYL based Network type DBMS- SIBAS. The system was implemented as per software engineering guidelines of IAEA (International Atomic Energy Agency, Vienna)

Extensive experience in design and commissioning of databases in n-tier architectures especially in the area of workflow based Nuclear Fuel fabrication Information systems.

Under project from DST, was responsible for the system design of an IBM compatible magnetic tape conversion system for the Honeywell-400 mainframe system. The system was developed on specific request from Govt of India DoE and was extensively used by all the Honeywell computer centers in India.Was responsible for the

design and development of a number of Classified Information systems for the Department of Atomic Energy.

Published papers and prepared technical documents on all the Projects

Was a Project guide at BARC for Computer Engg students of Mumbai University for their B.E. projects .

Major Subjects:

1. Advanced Database Management Systems
2. Data Mining
3. Data Warehousing
4. Operating Systems
5. Artifical Intelligence and Expert Systems
6. Management Information Systems (MIS)

List of Publications (at BARC):

Conferences and Workshops Publications:

1. "On-line Database System for Nuclear Fuel Fabrication"
Ravi Mathur, P.S.Dhekne, C.Ganguly
Seminar-cum-Workshop on Database Applications in Physical Sciences. "Oct 10-12, 1990, BARC.

2. "AI Techniques in Databases: An Illustrative System for Seismic Source Identification"
Ravi Mathur and Falguni Roy.
Seminar-cum-Workshop on Database Applications in Physical Sciences. "Oct 10-12, 1990, BARC.

3. " Patient Database system for an Intensive Care Unit"
Ravi Mathur and PK Jain
Computer Society of India Convention, Bangalore Sep 20-23, 1989

4. " Information Retrieval Database System for INIS Literature Search"
Ravi Mathur and HR Jha
Seminar-cum-Workshop on Database Applications in Physical Sciences. "Oct 10-12, 1990, BARC.

5. "Neural Network based Expert system Shell"
Rashmi Rastogi and Ravi Mathur
Computer Society of India Convention, Bangalore Sep 20-23, 1989

6. "Entropy Approach to Inferencing in Expert Systems"
Ravi Mathur and HK Kaura
International Conference on Artificial Intelligence in Industry and Government,
Hyderabad, Nov23-25, 1989.

7. "Expert System for selection of Analytical methods for analysis of pure materials"

Ravi Mathur and HK Kaura
International Conference on Artificial Intelligence in Industry and Government,
Hyderabad, Nov23-25, 1989.

8. "A Compatible Tape Conversion System"
P.K.Patwardhan, Ravi Mathur , Gurmail Chand, T.K.Ghosh
Computer Society of India Convention, Hyderabad Feb 3-6, 1976

9. "Peripheral Interfacing based on CAMAC"
P.K.Patwardhan, Ravi Mathur and Gurmail Chand
CAMAC Workshop, TIFR, Mumbai Aug 7,1976

10. Internal Reports of Classified Databases developed for the Department of Atomic Energy

Professional Associations:

➢ Indian Society of Technical Education (ISTE) - Life Member

Experience:

- 37 years professional R & D experience in Computer field at Bhabha Atomic Research Centre, Trombay, Mumbai. Retired as Head, Advanced Databases Division.

- 15 years Teaching experience at Terna Engineering College, Nerul at UG and PG level

Responsibilities Handled:

At Terna Engineering College:

1. From 2009 to 2018 was Dean, Industry Instt Partnership cell of TEC (an AICTE funded cell)
2. Handled the Institute's Participation in AICTE-CII survey 2017 and 2018 on Industry Linkages of the Institute . The Institute was placed in **Platinum Category , (the highest category) for both years**

3. From 2009 to 2016 conducted a 'Beyond syllabus' programme Oracle WDP for Comp and IT students

4. Handled Interaction with Experts from Industry and R & D institutions for UG/PG project evaluations and invited talks at equinox-2011 and equinox-2013, equinox- 2015

5. Handled the Industry Contacts programme of the Institute

6. Interaction/MoUs with Corporate Universities

7. Guiding and preparing students for OCA certification

8. Convener, Terna Academia – HR Meet 2013 and HR Conclave 2017

9.   In-plant trainings for all 4 branches- overall coordination

10. Faculty development program at Texas, Apple, Siemens –overall coordination

SESSION CHAIR/JUDGE:

1.   Session Chair at the National Conference NCNTE-2012 at Fr. Conceicao Rodrigues Institute of Techology (FCRIT), Vashi, Navi Mumbai on 24/2/2012

Declaration
I hereby declare that the foregoing information are correct and complete to the best of my knowledge.

(Ravi Mathur)

Place: Nerul, Navi Mumbai