

**RAVINDRANATH KAJJAM**

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**Personal:** Date of Birth – June 5, 1959;

**Qualification:** M. Sc. (Tech) 1982 - Process Automation Control & Instrumentation

**Professional Experience:**

- 35+ years of experience on Process Dev. Activity with Multi disciplinary Engineering, Chemistry & Biology teams
- Specialization in Industrial Process Control/Automation design for Pharma./Agro chemicals/Biochemical plants
- Design of Process control philosophy, Process & Safety Interlock systems, P&IDs.
- Preparation of Process Know-how reports, Basic Engineering Package and coordinate in Detail Engineering with EPC Agencies for Commercial Plants; HAZOP study, Project Engineering.
- Experienced in Design, configuration of process plant DCS, PLC systems and System Integration.
- Headed Project Teams (> 50 members), of Scientists, & Engineers in Lab scale to commercial scale translation
- Teamed up with multidisciplinary groups for developing optimal plan targeted for various chemical processes from Concept to Commercialization.

**PROJECTS (Industry Sponsored):**

<ul style="list-style-type: none"> <li>• 40 TPA capacity HFC 134a pilot plant for M/s Shriram group, and M/s Naveen Fluorine Inds.</li> <li>• <i>p</i>-t-Butyl toluene (4000 TPA) and <i>p</i>-t-Butyl benzoic acid (3000 TPA) pilot and commercial plants for M/s Vinati Organics</li> <li>• Hydrazine Hydrate Pilot and commercial plant of 10,000 TPA capacity for M/s Gujarat Alkalies &amp; Chemicals Limited</li> <li>• Cyanuric Chloride pilot plant, ATUL Industries</li> </ul>	<ul style="list-style-type: none"> <li>• Carbon monoxide &amp; CO Chemicals pilot plants for Lupin Industries</li> <li>• Benzaldehyde pilot plant, M/s Vinati Organics</li> <li>• Mono Nitro Toluenes Pilot plant for M/s Deepak Nitrates</li> <li>• Undecenoic Acid pilot plant for M/s Jayant Agro</li> <li>• Ethambutol HCL pilot project for M/s Cadila Pharma</li> <li>• Pyrazinamide pilot Project for M/s SPIC industries</li> </ul>
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**PROJECTS (Government Aided):**

<ul style="list-style-type: none"> <li>• 8000 TPA Coal Gasification Plant, under UNDP - &amp; Ministry of Power, Govt. of India</li> <li>• 300 TPA Fluidised Bed Gasification Pilot Plant, for CMPDIL</li> <li>• FM-200 Pilot Plant, for M/s DRDO, Gol</li> <li>• Methonal Reformer, for MNRE, Govt. of India</li> <li>• Glycerol Reformer, for MNRE, Govt. of India</li> <li>• Sebacic Acid for TIFAC, DST, Govt. of India</li> </ul>	<ul style="list-style-type: none"> <li>• Biodiesel Project for DBT, Govt. of India</li> <li>• Synthetic Aviation Lubricants for CHT, Govt. of India, HPCL</li> <li>• Biomass to 2G ethanol process under INDO-US program (IUSSSTF – DBT Govt. of India)</li> <li>• Establishment of the first Biotech Incubation centre in Hyderabad (a DBT and State Govt. Initiative) with Bench scale to pilot scale facilities</li> </ul>
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**Deputations Abroad**

<ul style="list-style-type: none"> <li>• M/s RKC Instruments Inc., Tokyo, Japan</li> <li>• M/s Siemens; M/s Endraus Hauser, Germany</li> <li>• M/s Allen Bradley, Australia</li> <li>• M/s Tescom, Germany</li> <li>• M/s Bronkhorst, Netherlands</li> <li>• M/s Priorclave, UK.</li> </ul>	<ul style="list-style-type: none"> <li>• CPHI China-2017 for exploring commercialization of process technologies &amp; collaborations</li> <li>• International conference on Biofuels, Brussels</li> <li>• Visit to M/s Beta Renewables Cellulosic Ethanol Biorefinery (First commercial 2G ethanol plant), Crescentino, Italy</li> </ul>
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**TEAM AWARDS for commercialization of Technologies:**

- **2017** - FICCI Award, Hydrazine Hydrate project
- **2018** - CSIR-Technology Award, Process Tech. Transfer for Commercialization
- **2020** - Golden Peacock National Award, Transfer of Hydrazine Hydrate project for Commercialisation

**HR & Other Activities:**

Research Guidance: 98 Students (M. Phil., Engg. PG/Graduation)

Activities conducted: Around 15 Industrial Instrumentation Training Programs/Workshops on Process Automation Design (Engineering Graduates & PG students)