OBJECTIVE (S) of ICC POLICY

- To reduce the gap between industry expectations (practice) and academic offerings (theory) by direct involvement of industry to attain a symbiotic relationship.
- To foster strong links with industry for collaborative research, technology transfer and specialized human resource development.
- To encourage R & D Organizations to conduct joint research work involving faculty/scientists/students/research scholars etc.
- To arrange technical festivals/open houses/student design competitions.
- To conduct personality development workshops for students relating with soft skills (communication skills/personality development)
- To update the knowledge base of professionals in different emerging sectors.
- To arrange short term programmes in various technical disciplines.
- To set up of innovation centers.
- To promote adaption of homegrown technologies
- To develop policy document for Government, public undertakings and industrial establishments.
- To enhance employability of the students.
- To providing opportunities to students to undertake social and economic relevant projects.
- To update and develop skill relevant curriculum.

ABOUT ICC POLICY

The major development of European and developed countries can be associated to the strong interaction between academic and industrial organizations. Our country either has a very little interaction or lack of effective technology development and transfer mechanism. Our Government realized this fact long back and introduced several Govt. schemes to boost the interaction between universities and technical institutions and industries but a very little success is obtained.

Now, keeping in mind the changing economic scenario, government policies and Institution priorities, the academic organizations should undertake industrially relevant projects. This would enhance the relationship between academicians and industry professionals. Therefore, the Institutions should encourage its faculty members to indulge in such R&D work as a tool of scientific collaboration with industry. Such R&D projects either sponsored by industry or Government organizations shall provide a firsthand knowledge of the current problems of industry which is very helpful in tuning the curriculum to the national needs.

Encouraging technology development and transfer from academics to the private sector has been identified in many countries as a desirable goal, not only to enhance the competitiveness of the private sector through access to innovative research results but also to ensure that university R&D results are made available to society through their commercialization. Intellectual property (IP) rights have become a widely used tool in many countries to promote university-industry partnerships as they can provide the necessary incentives to facilitate an effective transfer of technology.

The ICC aims to undertake industry sponsored research projects including new product developments, improvement of quality, standardization and validation, training of both academic and industrial personnels etc.

The industry needs support in terms of training, project management, lifelong education & training of professionals, preparation of scientific research projects, conduct of collaborative and contract research. The industry also expects product testing and validation.

TECHNOLOGY TRANSFER OF MANUFACTURING OF LAMINATED GLASS

A Technology Transfer Function for Manufacturing of Laminated Glasses was organised on 29th August 2022 at Seminar Hall of Department of Chemistry, Ch. Charan Singh University, Meerut. In 2015,a research project entitled, "Development of novel UV and thermal curable formulation for glasses for structural and architectural applications" was sanctioned by Department of Science & Technology, Govt. of Indiato Prof. R.K. Soni (Rs.88 Lakhs). The project was also supported financially by M/s SidhivinayakEnterprises, Ludhiana. Three techniques were developed during the course of research work of three years due to which architectural glass, automobile glass and security glass can be manufactured.

Polyvinyl butyral (PVB) is the most used interlayer material. In India, PVB sheets are imported majorly from China and used in the manufacturing of safety glasses. The main consumer of these products are Railways, Automobiles, High rise buildings (structural and architectural), Defense, Aircrafts, Marine vessels and in domestic applications.

In this research work, Prof. R.K. Soni and Dr. Meenu Teotia developed a technology for manufacturing of laminated glasses. The developed interlayer by inventors is cheap, easy to fabricate and is superior alternative to interlayer materials that is being imported to manufacture laminated glasses. A patent has been published for this work. This has added a feather in cap of the Ch. Charan Singh University, Meerut. This is the very first time in Ch. Charan Singh University that an industry has funded a research project and the developed technology has been transferred.

CEO of M/SSidhivinayak Enterprises Mr. Himanshu Garg was the Chief Guest of the program. Presiding officer Prof. Sangeeta Shukla appreciated the department for transfer of technology and congratulated both inventors Prof. R. K. Soni and Dr. Meenu Teotia. She also reiterated that technology transfer will enable the industry to absorb high end technologies developed by university over a period of time and leverage the industry to scale them up for much advanced applications. She expressed her confidence that the day is not too far for the reversal to happen, when critical technologies developed by University will be used for Nation Building. She also highlighted some of the futuristic strategies by University in production of operational systems and technologies. This technology transfer will be a great help for domestic industry and will offer indirect benefits to many people due to industry set up in local area and play a major role in making of "**AtmaNirbhar Bharat**".


DEPARTMENT OF CHEMISTRY, CHAUDHARY CHARAN SINGH UNIVERSITY, MEERUT.