

Annual REPORT

30-03-2014 to 01-04-2015

**UNIVERSITY INDUSTRY LINKAGE CELL
HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY, PATAN**

MISSION

- The mission of the Industry- Academia Cell is to foster ties with individual companies and industrial associations in jurisdiction of our university through continual dialogue/ participation with these partners.
- To collect industry-specific reliable data and to identify industry's research and recruitment needs of our area.

OBJECTIVES

- Reliable Data
- Student Recruitment
- Linkage Projects
- Industry Prizes
- Scientific Expertise
- Venues for Congenial Dialogue
- Technology Transfer
- Data is collected from Various Depts. to make a university expertise profile.

Faculty data for interaction with Industry

Sciences	Proteomics, Plant Biotechnology, Formulation Development, Herbal Formulations, Method developments in HPLC, HPTLC, GC, IC, Molecular biology, Removal of dyes from effluents , Photochemistry, synthesis of new molecules, Industrial safety, Environmental carbon dating, Environmental Impact Assessment, Tissue culture, medicinal plants and phytochemicals.
Management	Marketing, Business Research
Maths	Chaotic systems and Dynamical system studies
Physics	Microprocessors and Micro controlled embedded systems
Education	Stress management, life skills, transactional analyses, data analyses, critical thinking and reactive thinking
MSW	HIV/AIDS Awareness, Hectic issues awareness, student skill development, children issues, problems of women, rural area problem
Law	Criminal law, legal awareness
IT	Programming, e- governance, data mining etc

MOU's by Faculty for Academic purposes

- Kotal Securities,
- Angel Brokers,
- Rajendra Share Brokers Co. Ltd.,
- Krishna Consulting Serving Pvt. Ltd.,
- Trivedi Finance Pvt. Ltd.,
- Leela Hotel & Saffrony Hotel in Hotel industry

ONE DAY REGIONAL WORKSHOP ON RHEOLOGY “ADVANCED RHEOLOGICAL CHARACTERIZATION”

University Industry Linkage Cell of HNGU organized one day regional workshop on Rheology entitled “Advanced Rheological Characterization” held on 21/11/2014 at Department of Hospital Management, Hemchandracharya North Gujarat University, Patan. This workshop was organized in coordination and partnership with a multinational company **Anton Paar** Pvt. Ltd. with main office at Gurgaon, Haryana in INDIA. Anton Paar GmbH produces high-quality measuring and analysis instruments for industrial and research applications. The innovative spirit of Anton Paar’s employees and their commitment to quality has been the driving forces behind the company.



A brief Introduction of Anton Paar India, Pvt. Ltd. is given by Dr. Hitesh Dave, Area Sales Manager-RHEO in Gujarat. The first technical session started at 9.15 a.m and continued upto 10.50 a.m. The inaugural function was organized at 11.00 a.m. The inaugural function was organized in presence by Hon. Vice chancellor, Prof. R. L. Godara, Pro-Vice Chancellor, Dr. Dipoooba Devada, Registrar Dr. Dilipbhai Patel, Chairman of APMC(Agriculture produce marketing committee) Unjha, Shri Gaurangbhai Patel, Guest of Honor Dr. Sumanta Raha, Ttechnical Manager of Anton Paar Pvt, India. The program started with prayer to Almighty followed by University song which was sung in honour of university. A worldly welcome of guests and aims and objectives of workshop was done by Prof.(Dr.) Sangita Sharma, Chairperson of University Industry Linkage Cell. After floral welcome by books and momentos , the activities of the this cell were highlighted by Shri Jay Trivedi. During inaugural function,

- Dr. Sumanta Raha elaborated role Rheology in various branches of Sciences like life Sciences, Food and technology, Biotechnology etc.
- Chairman of APMC Unjha, Shri Gaurangbhai Patel emphasized why university – industry should join together for growth of the region and state as whole. He also elaborated on the need of curriculum that are relevant to industry.
- Dr. Dipoooba Devada madam explained about the activities of the university and highlighted how university can be boon for growth of regional industries.
- Hon. Vice chancellor Prof. R. L. Godara was the President of the function. He elaborated on what should be aims and objectives of university –industry linkage cell, Why such workshops are needed for the growth of university, particularly for sciences. He further emphasized that for automation of universities in present scenario, partnership with industry at different levels is must and essential.

The following topics were covered in the workshop

- Basics of Rheological measurements
- Rheology of Polymers – Thermoplastics & Thermosets
- Rheology of Crude Oils, Lubricants & Drill-ing Fluids
- Rheology of Food materials
- Rheo Microscopy and other Rheo-Optical techniques
- Applications of Rheology in Pharma & Cosmetics

In the valedictory function the invitees were Dr. Chirag Prajapati, Surgeon, Dharpur Medical college, Dr. S. A. Bhatt, Head Life science department, Dr. C. P. Bhasin, Professor, Department of Chemistry. Even medical practitioner also emphasized the role of rheology in MBBS and MD studies.

There were 120 participants in the workshops. Participants were Ph. d. guides, research scholars (Ph, D. and M. Phil. students) M. Sc. students from sciences (Chemistry, Physics, Botany, Microbiology, biotechnology) from in campus departments and colleges affiliated to HNGU and Gujarat.