

THANK YOU MR ANIL GUPTA AND MR SC SURI FOR THE HONOR OF HAVING ME HERE AND ALSO FOR VENTURING INTO THE P.D.C TECHNOLOGY .

WELCOME ALL DELEGATES AND PDC PROFESSIONALS - I HOPE TODAY'S SESSION IS A FRUITFUL LEARNING AND INTERACTIVE EXPERIENCE FOR YOU ALL .

HAVING THE OPPORTUNITY OF BEING IN THE PRESENCE OF INDUSTRY MEMBERS , EDUCATIONAL AND PROFESSIONAL BODIES - I WOULD LIKE TO PUT ACROSS MY VIEW ON THE SUBJECT IN PARTICULAR AND RELATED FUNDAMENTAL ISSUES FOR OUR JOINT INTROSPECTION AND DELEBRATION .

TO BRING THINGS INTO PERSPECTIVE , I WOULD LIKE TO START FROM 1983 - WHEN I STARTED MY CAREER AS A FRESH ENGINEER AT THE RAJDOOT MOTORCYCLE PLANT OF ESCORTS GROUP.

FROM AN ANNUAL PRODUCTION VOLUME OF ABOUT 2 LAC 2-WHEELERS IN THOSE YEARS , THE INDUSTRY HAS NOW GROWN TO MORE THAN 100 LACS PER ANNUM - A MORE THAN 50 TIMES INCREASE IN PRODUCTION VOLUMES IN THE LAST 30 YEARS .

CONSIDERING THAT INDIA HAS ABOUT 80 2-WHEELERS PER 1000 PEOPLE AS COMPARED TO OVER 350 / 1000 IN CHINA - WE HAVE AT LEAST ANOTHER 4 TIMES TO GROW IN THE COMING FEW YEARS

WITH THE HIGHLY LUCRATIVE MARKET POTENTIAL AND THE GLOBALIZATION OF OUR ECONOMY WE ARE SEEING INCREASED COMPETITION FROM GLOBAL MARKETS .

WITH THE COMPETITION ALSO COMES THE OPPORTUNITY TO GROW GLOBALLY

AND WITH ALL THIS COMES THE DIRE NEED FOR HIGHER PROFESSIONAL EXCELLENCE IN MANAGEMENT AND TECHNOLOGY .

THE FOREMOST CHALLENGE FOR THE CONSUMER INDUSTRY IS BETTER QUALITY AT REDUCED COST .

THIS REQUIRES FOCUS ON CONTINUAL IMPROVEMENT IN PRODUCT AND PROCESS TECHNOLOGIES

HARD SKILLS - THAT IS UNDERSTANDING OF THE PRACTICAL ASPECT OF TECHNOLOGY AND PROCESS , AND SOFT SKILLS - UNDERSTANDING SOUND THEORY , DEVELOPING FRESH IDEAS AND OF RESEARCH AND ENDEAVOUR TOGETHER ONLY CAN TAKE US AHEAD .

THIS ALSO BRINGS INTO LIMELIGHT THE IMPORTANT ROLE OF EDUCATIONAL AND PROFESSIONAL BODIES IN SUPPORTING THE INDUSTRY AND ITS PROFESSIONALS TO MOVE TOWARDS HIGHER LEVELS OF EXCELLENCE .

AS ONE GENERATION MOVES AHEAD AND THE NEXT PREPARES TO HOLD THE REINS , THE CONCERN IN THE INDUSTRY IS THE LOSS OF KNOWLEDGE GAINED AND THE ABILITY OF THE NEWER GENERATIONS TO BUILD ON THE UNKNOWN FOUNDATION .HARD SKILLS ARE LOSING FAVOR TO THE COMPUTER / IT DRIVEN ENGINEERING SOCIETIES .

WHILE THE WHEEL NEED NOT BE REINVENTED BY EVERY GENERATION , THE KNOWLEDGE BASE WHICH IS THE FOUNDATION OF NEWER TECHNOLOGIES NEEDS TO BE ABSORBED , PRESERVED AND BUILT UPON .

ALL THIS NEEDS AN ORGANIZED EFFORT - WHICH I BELIEVE IS ONE OF THE SOLUTIONS WE ALL MUST WORK TOWARDS .

COMING TO THE TOPIC OF C.A.D AND AUTOMATION , BOTH OF THESE ARE SOUND TOOLS TOWARDS ACHIEVEMENT OF HIGHER QUALITY AND COST GOALS AND HOLD HIGH PRIORITY IN THE INDUSTRY.

WHILE LATER PRESENTATIONS SHALL DEAL IN DETAIL WITH THE COMPUTER AIDED DESIGN FEATURES , I WISH TO DWELL ON ASPECTS OF DESIGN - DIE DESIGN FOR P.D.C IN PARTICULAR - AND THERE DEEP INTERRELATION WITH AUTOMATION .

DESIGN - WE WERE TAUGHT IN OUR ENGINEERING SCHOOLS , IS ALL ABOUT IDEAS AND INNOVATION FOR SAFETY , APPLICATION EFFICIENCY , AESTHETICS AND COST OF THE PRODUCT .

CONSIDERING THIS , A TOOL - DESIGNERS ROLE AS THE TECHNOLOGIST CANNOT BE OVER STATED .

TARGETING PRODUCTIVITY , QUALITY AND TOOL DOWNTIME , UNDERSTANDING THE NEED FOR HUMAN INTERVENTION IN AN AUTOMATED PROCESS AND ADDRESSING IT AS A DESIGN FEATURE THUS BECOME THE GUIDING PRINCIPLES OF A GOOD TOOL DESIGN .

FROM UNDERSTANDING AND APPLICATION OF THE BASIC ENGINEERING NORMS OF FITS & TOLERANCES TO COMPLEX TOOLING ASSEMBLIES TO VALUE ADDITION TOWARDS DESIGNING HIGH PRODUCTIVE TOOLING FOR AUTOMATED PROCESSES - IS THE CHALLENGE

AN ORGANIZED JOINT LEARNING AND KNOWLEDGE SHARING PROCESS TOWARDS THIS LEARNING IS THE NEED OF THE HOUR .

I WISH TO USE THIS PLATFORM TO REQUEST THE INDIAN INSTITUTE OF METALS TO INSTITUTIONALIZE A CONSULTING EXECUTIVE TEAM IN SUPPORT WITH THE EDUCATIONAL BODIES AND INDUSTRY EXPERTS FOR PROVIDING CONSULTING AND TROUBLE SHOOTING SUPPORT ON CASE STUDY BASIS .

AN KNOWLEDGE BANK OF CASE STUDIES , ALONG WITH A DATA BANK OF ENGINEERING , DESIGN , MATERIALS AND TECHNOLOGY STANDARDS AT I.I.M SHALL BE A GREAT SERVICE TO THE INDUSTRY .