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GLOBALIZATION

Manufacturing Processes

PRESENTED TO

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INTRODUCTION

GLOBALIZATION IS A PROCESS OF ECONOMIC AND CULTURAL OPENNESS BETWEEN COUNTRIES OF THE WORLD, AND IT HAS PLAYED A MAJOR ROLE IN CHANGING THE FACE OF INDUSTRIES AND MANUFACTURING METHODS. WITH THE ACCELERATION OF TECHNOLOGICAL COMMUNICATION AND THE OPENING OF TRADE BORDERS, MANUFACTURING PROCESSES HAVE BECOME AN INTEGRAL PART OF THESE TRANSFORMATIONS, AS THEY HAVE BEEN AFFECTED BY TECHNOLOGICAL DEVELOPMENTS AND GLOBAL COMPETITION.

IMPACT OF GLOBALIZATION ON MANUFACTURING PROCESSES

EXPANSION OF GLOBAL SUPPLY CHAINS

GLOBALIZATION HAS LED TO THE DISMANTLING OF TRADITIONAL MANUFACTURING PROCESSES, AS COMPANIES HAVE BECOME DEPENDENT ON GLOBAL SUPPLY CHAINS. PRODUCT PARTS CAN BE MANUFACTURED IN DIFFERENT COUNTRIES, WHICH REDUCES COSTS AND IMPROVES EFFICIENCY

RELiance ON MODERN TECHNOLOGY

GLOBALIZATION HAS HELPED TRANSFER TECHNOLOGY AND KNOWLEDGE BETWEEN COUNTRIES, LEADING TO THE USE OF ADVANCED TECHNOLOGIES SUCH AS ROBOTICS, ARTIFICIAL INTELLIGENCE, AND 3D PRINTING

THESE DEVELOPMENTS HAVE MADE MANUFACTURING PROCESSES MORE ACCURATE AND EFFICIENT

INCREASED INDUSTRIAL COMPETITION

AS GLOBAL MARKETS HAVE OPENED UP, COMPETITION HAS INCREASED AMONG MANUFACTURERS, PROMPTING THEM TO IMPROVE THE QUALITY OF THEIR PRODUCTS AND REDUCE PRODUCTION COSTS

THIS COMPETITION HAS LED TO CONTINUOUS INNOVATIONS IN MANUFACTURING TECHNOLOGIES

IMPACT ON EMPLOYMENT

GLOBALIZATION HAS PROVIDED NEW JOB OPPORTUNITIES IN SOME COUNTRIES, BUT AT THE SAME TIME HAS LED TO JOB LOSSES IN OTHER COUNTRIES AS MANUFACTURING PROCESSES HAVE MOVED TO LOWER-COST COUNTRIES

IT HAS ALSO AFFECTED THE QUALITY OF SKILLS REQUIRED, AS TECHNICAL AND TECHNOLOGICAL SKILLS HAVE BECOME MORE IMPORTANT

COST REDUCTION DUE TO THE RELOCATION OF FACTORIES TO COUNTRIES WITH LOW PRODUCTION COSTS

IMPROVED EFFICIENCY: THROUGH THE USE OF MODERN TECHNOLOGIES AND INTEGRATED SUPPLY CHAINS

KNOWLEDGE TRANSFER: GLOBALIZATION HAS HELPED IMPROVE THE QUALITY OF PRODUCTS DUE TO TECHNOLOGICAL EXCHANGE BETWEEN COUNTRIES

DISADVANTAGES OF GLOBALIZATION IN MANUFACTURING PROCESSES

ENVIRONMENTAL DAMAGE: DUE TO INCREASED GLOBAL MANUFACTURING AND INTERNATIONAL TRANSPORTATION

ECONOMIC GAP: SOME COUNTRIES HAVE BEEN NEGATIVELY AFFECTED DUE TO THE LOSS OF LOCAL INDUSTRIES

SUPPLY INSTABILITY: RELIANCE ON LONG SUPPLY CHAINS MAKES MANUFACTURING VULNERABLE TO GLOBAL CRISES



CONCLUSION

GLOBALIZATION IS A DRIVING FORCE BEHIND THE EVOLUTION OF MANUFACTURING PROCESSES, IMPROVING EFFICIENCY AND REDUCING COSTS, BUT AT THE SAME TIME IT HAS HAD A SIGNIFICANT IMPACT ON LABOR AND THE ENVIRONMENT. AS TECHNOLOGY CONTINUES TO ADVANCE, GLOBALIZATION WILL REMAIN A KEY ELEMENT IN SHAPING THE FUTURE OF INDUSTRY AND MANUFACTURING

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