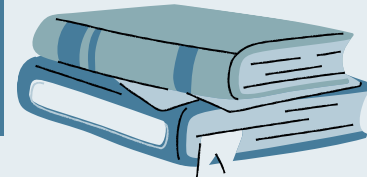# ACADEMIC RESEARCH POSTER

EXECUTIVE SUMMARY

THE TALK COVERED PPG'S IT STRATEGY, DATA ANALYTICS, INSFRASTRUCTURE, AND SAP SYSTEM. THE SPEAKER HAS SHARED INSIGHTS INTO VARIOUS CAREER PATHS, INNOVATION AND GLOBAL OPERATIONS. THE SESSION ALSO INTDRODUCE US TO DATA ANALYTICS COE, GLOBAK INFRASTRUCTURE COE,SAP COE. THRERE ARE ALSO EXPLANATION FOR EACH ONE OF THEM . BEYOND TECHNOLOGY, THE SPEAKER HAS EMPHASIZED ABOUT CAREER OPPORTUNITIES THROUGH MRTC INTERNSHIP PROGRAM.

INTRODUCTION

AMERICAN FORTUNE 500 COMPANY AND A GLOBAL POWERHOUSE SPECIALIZING IN PAINTS, COATINGS, AND SPECIALTY MATERIALS. DRIVEN BY A VISION TO BE THE WORLD'S LEADING COATINGS COMPANY, PPG IS COMMITTED TO DELIVERING HIGH-QUALITY, INNOVATIVE, AND SUSTAINABLE SOLUTIONS THAT CUSTOMERS RELY ON TO PROTECT AND BEAUTIFY THEIR WORLD. THEY HAVE BEEN HERE OVER 140 YEARS AND CURRENTLY OPERATING IN 70+ COUNTRIES.

TALK CONTENT

METHODOLOGY

- GATHERING INFORMATION: NOTES TAKEN DURING THE PPG INDUSTRY TALK (OVERVIEW, DATA ANALYTICS, INFRASTRUCTURE, SAP).
- CONTENT ORGANIZATION: STRUCTURED INTO EXECUTIVE SUMMARY, INTRODUCTION, CONTENT, ANALYSIS, REFLECTION FOLLOWING RUBRIC GUIDELINES.
- CRITICAL REVIEW: EVALUATED STRENGTHS, CHALLENGES, AND IMPLICATIONS OF ICT IN PPG'S OPERATIONS.
- POSTER DESIGN: APPLIED CREATIVITY WITH DIAGRAMS (PLAN-BUILD-RUN, SAP PROCESS FLOW, MULTI-CLOUD STRATEGY) AND CLEAR FORMATTING.
- TEAM COLLABORATION: COMBINED IDEAS, WROTE IN OUR OWN WORDS, WHERE WE DIVIDE 2 PARTS TO EACH MEMBER.

OBJECTIVE

- TO UNDERSTAND HOW PPG USES IT, DATA ANALYTICS, CLOUD AND SAP IN REAL BUSINESS OPERATION
- TO ACKNOWLEDGE ABOUT THE IT INDUSTRY CHALLENGES IN THE FUTURE
- TO EXPLORE THE SKILLS THAT NEED TO BE EQUIPPED IN IT FIELD
- TO HAVE AN OPPORTUNITY TO MEET WITH REAL IT INDUSTRY EXPERTS

RESULTS

- EXPOSURE TO REAL-WORLD INDUSTRY PROCESS
- HAVE AN INSIGHT INTO FUTURE IT TRENDS AND CHALLENGES
- HAVE AN IDEA TO ENHANCED SKILLS AND PRACTICAL KNOWLEDGE BASED ON THE CAREER PATH THAT WE DESIRE IN THE FUTURE

FUTURE IT INFRASTRUCTURE TRENDS

- IT INFRASTRUCTURE EVOLUTION (ENHANCE SCALABILITY OF CLOUD-BASED SERVICES)
- ZERO TRUST SECURITY MODEL (TO COMBAT ADVANCED CYBER THREATS)

ANALYSIS

ICT IS CENTRAL TO PPG'S SUCCESS, LINKING DATA ANALYTICS, INFRASTRUCTURE, AND SAP. LET'S GO THROUGH THEIR STRENGTHS, CHALLENGES AND HOW THEY OVERCOME THEM.

- STRENGTHS: MULTI-CLOUD FLEXIBILITY, SAP MODERNIZATION, STRONG INTERNSHIP PIPELINE.
- CHALLENGES: MANAGING GLOBAL COMPLEXITY, BALANCING LEGACY WITH CLOUD, ENSURING ZERO TRUST SECURITY.
- IMPLICATION: STUDENTS NEED SKILLS IN PYTHON, DATABASES, CLOUD, AND SAP TO THRIVE IN INDUSTRY.

THIS SHOWS HOW SKILLS IN PYTHON, MYSQL, CLOUD ENGINEERING AND SAP ANALYTICS ARE HIGHLY RELEVANT FOR FUTURE CAREERS.

MULTI-CLOUD STRATEGY

THREE CONNECTED CLOUD ICONS:
- AWS → CLOUD-NATIVE APPS (MOST PREFERRED)
- MICROSOFT AZURE → DATA LAKE, VIRTUAL DESKTOP
- ORACLE CLOUD → LICENSED APPS, DATABASES

SAP PROCESS FLOW

1. PURCHASE ORDER CREATED
2. SUPPLIER RECEIVES PO
3. SUPPLIER SHIPS GOODS
4. GOODS ARRIVE AT PPG FACTORY
5. PRODUCTION OF PPG PRODUCTS
6. PRODUCTS PREPARED FOR DELIVERY
7. SALES ORDER CREATED
8. PRODUCTS DELIVERED TO CUSTOMER
9. INVOICE ISSUED
10. CUSTOMER MAKES PAYMENT
11. PPG PROCESSES PAYMENT

REFELCTION

THE INDUSTRY TALK HELPED US UNDERSTAND HOW ICT PLAYS AN IMPORTANT ROLE IN GLOBAL COMPANIES LIKE PPG. WE LEARNED HOW SYSTEMS LIKE SAP STREAMLINE OPERATIONS FROM PROCUREMENT TO PAYMENT, ENSURING EFFICIENCY AND ACCURACY. THE TALK ALSO EMPHASIZED THE IMPORTANCE OF CLOUD INFRASTRUCTURE, DATA ANALYTICS, AND ENTERPRISE SYSTEMS IN MODERN BUSINESS. WE WERE INSPIRED BY PPG'S COMMITMENT TO INNOVATION, TALENT DEVELOPMENT, AND GLOBAL COLLABORATION. IT MADE US REALISED THAT WE NEED TO FOCUS AND POLISH OUR ABILITY IN VARIOUS SKILLS LIKE PYTHON AND MYSQL. ON THE OTHER HAND, IT MOTIVATED US TO EXPLORE CAREERS IN DATA, CLOUD, AND ENTERPRISE TECHNOLOGIES, AND TO APPRECIATE HOW ICT PROFESSIONALS CONTRIBUTE MEANINGFULLY TO INDUSTRY TRANSFORMATION.
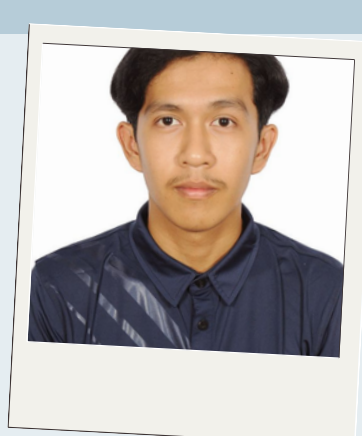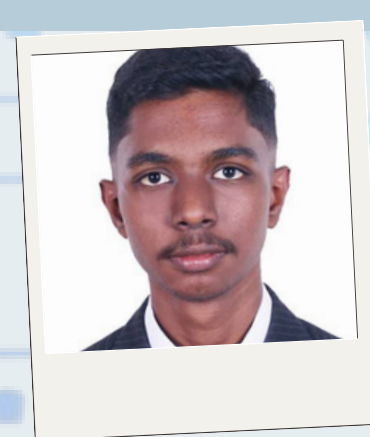
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