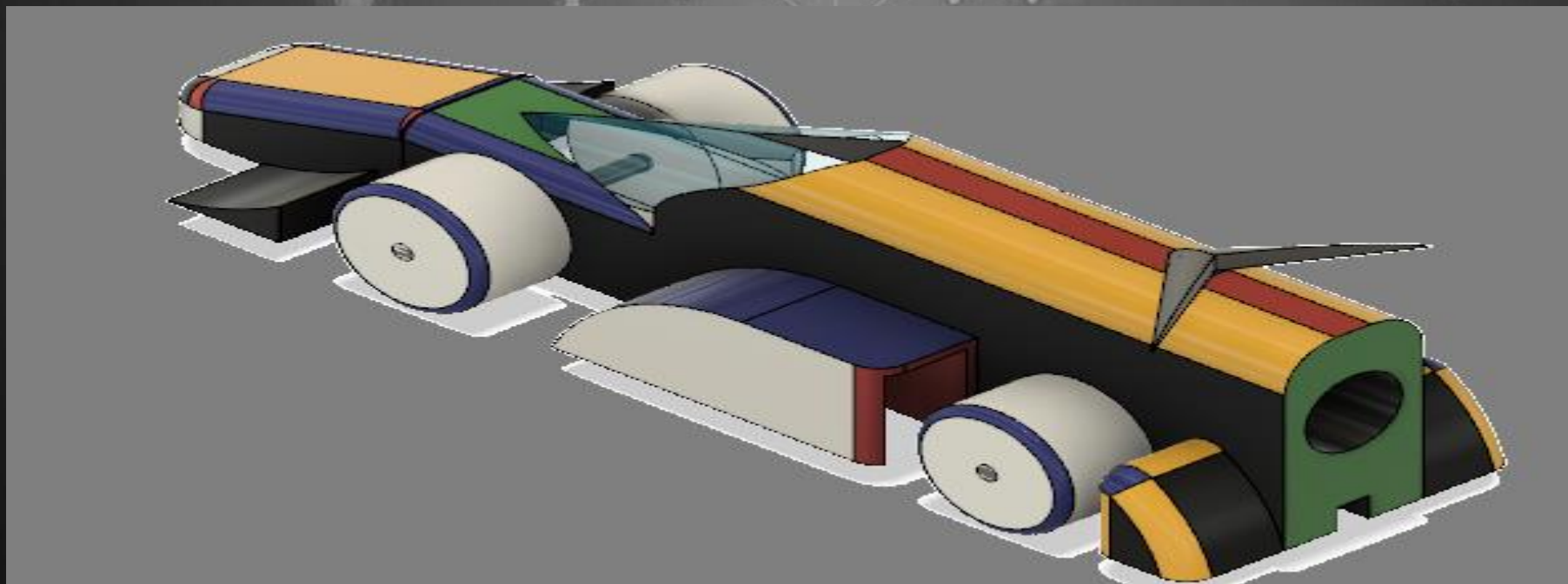


ENTERPRISING

PORTFOLIO



INVINCIBLE RACERS



UNBEATABLE



TEAM VISION

IN ANY GROUP OR BUSINESS, TEAMWORK IS AN IMPORTANT PART OF GETTING THE JOB DONE. TEAM WHO ENTER OUR 'F1 IN SCHOOL CAR CHALLENGE' CONFRONT MANY CHALLENGE IN THEIR QUEST TO WIN THE PRESTIGIOUS WORLD TITLE. AS A COLLABORATING TEAM, THESE CHALLENGE ARE ALL THE GREATER. TEAM VISION IS TO FIND THE MEMBER WHO CAN TAKE THE TEAM TOWARDS

OUR NEW TEAM STRUCTURE IDENTIFIED THE SPECIAL TALENTS OF MEMBERS THAT CAN INTEGRATED THESE ABILITIES INTO THE COLLABORATIVE TEAM , 'INVINCIBLE RACERS' . TO HELP OUR AIM TO WIN THE WORLD TITLE , WE USE THE PROGRAM CALLED FUSION360 , WHICH ALLOWED US TO ASSIGN TASKS AND EFFECTIVELY MANAGE TIME , SCOPE , BUDGET AND THE CHALLENGE OF INTERNATIONAL COMMUNICATION

AT THE START OF OUR CAMPAIGN FOR THE 'F1 IN SCHOOLS SUB REGIONAL' WE HELD THIS MEETING TO SCOPE THE TASK AHEAD AND DISCUSS THE POSITIVES ,NEGATIVES AND ISSUES (PNI) INCLUDING TIMELINES , BUDGETS , ROLES AND RESPONSIBILITIES ,MARKETING STRATEGIES, RESOURCES ,RISKS AND OPPORTUNITIES FOR COLLABORATION .

DESIGN OF THE CAR

FIRST WE MAKE THE MODEL BLOCK IN FUSION 360 , THEN WE CUT THE BLOCK IN THE SHAPE OF CAR THE CAR BODY IS SLIGHTLY CURVED TO REDUCE THE PRESSURE , THEN WE DESIGNED THE FRONT SPOILER AND THE BACK SPOILER AND THEN WE MAKE THE HOLES FOR AXELS AND WHEELS THEN WE THINK ABOUT THE APPEARANCE OF THE CAR AND PAINTED THE CAR WITH ORANGE AND BLACK PAINT

CONCEPT OF THE CAR

- 1) FOCUS ON REDUCED CROSS – SECTIONAL AREA AND DRAG COEFFICIENT.
- 2) CONSTRUCTION TEMPLATES RECORD ALL DESIGN DECISIONS AND MEASURABLE IMPROVEMENTS.
- 3) DEVELOPED AND TESTED FOUR CONCEPT CARS VARIED FIFTEEN BODY ELEMENTS.

MANUFACTURING

OUR CAR IS MANUFACTURED USING CNC MACHINE. (ROUGHING CUT)- A ROUGHING CUT WITH 1MM MACHINING ALLOWANCE AND A 2MM STEP OVERT, WAS USED TO REMOVED THE BULK OF THE Balsa (FOUR SIDED MACHINING)- THE MAJORITY OF THE CAR WAS MACHINED FROM THE 2 SIDED HOWEVER TO ACHIEVE THE CENTRAL CHANNEL AND THE EASY REMOVAL OF THE MACHINING SUPPORT.

THANKS

