

PORTFOLIO

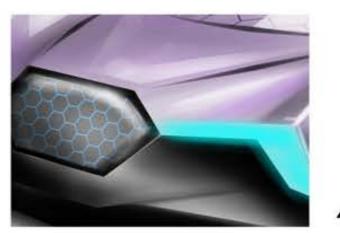
NEEL UMRIGAR [

MIT Institute of Design / Automobile and Transportation Design









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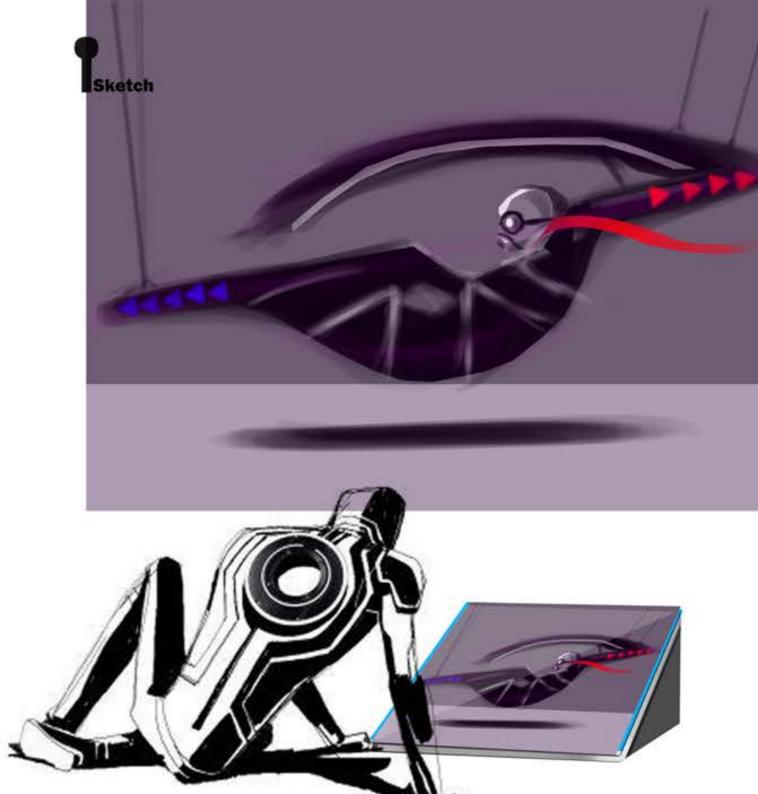


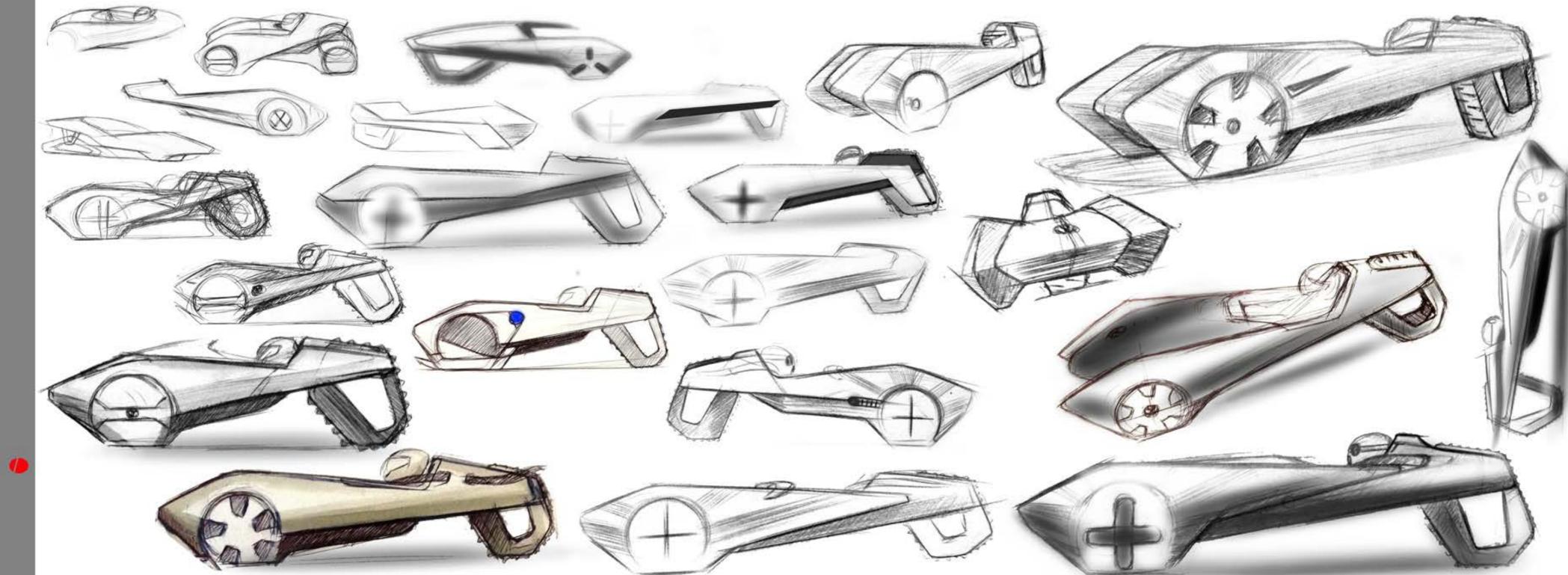


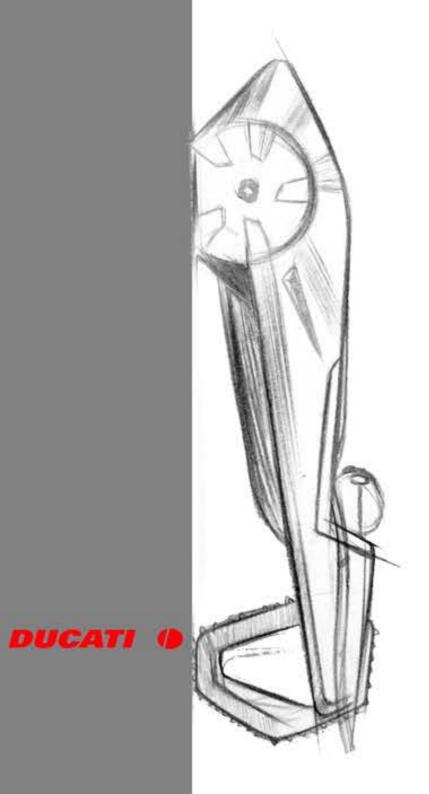


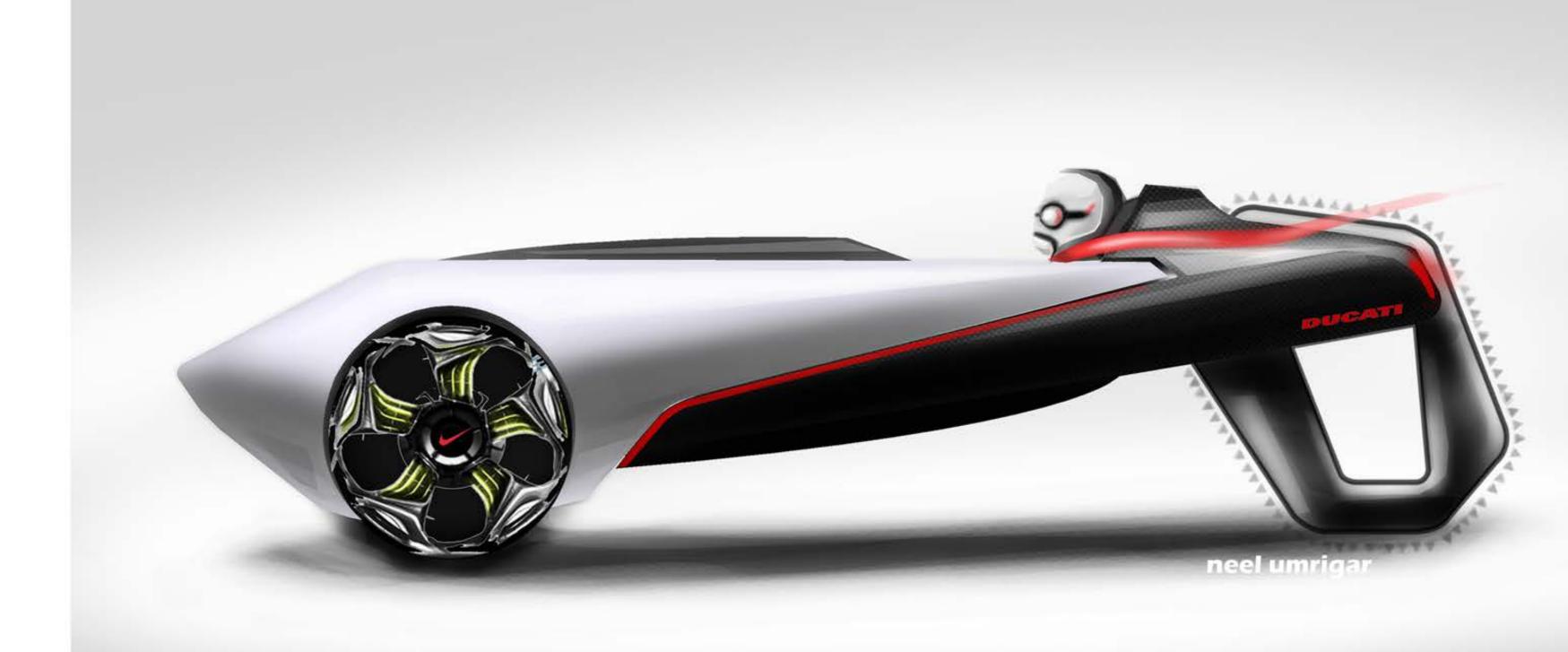
DUCATI () Ducati - Trekker





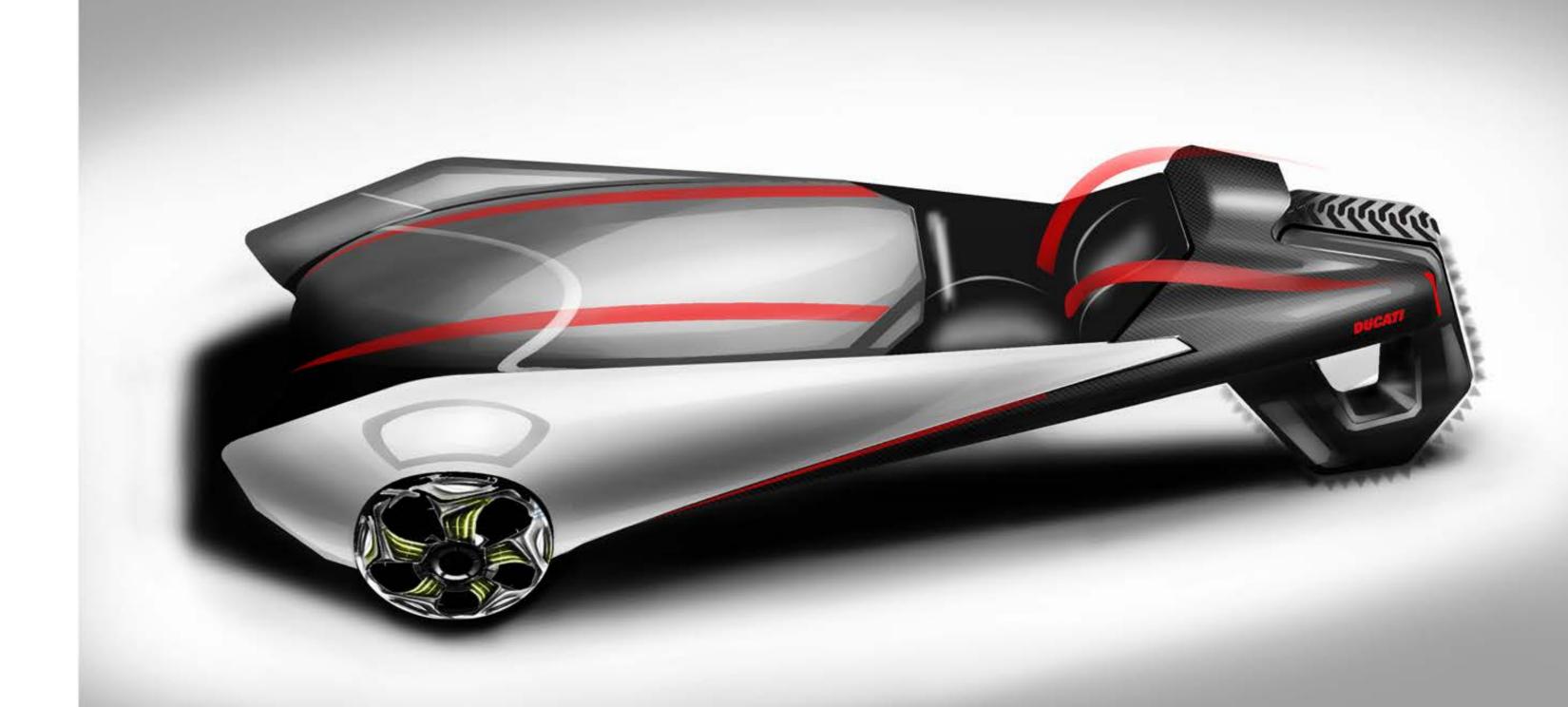


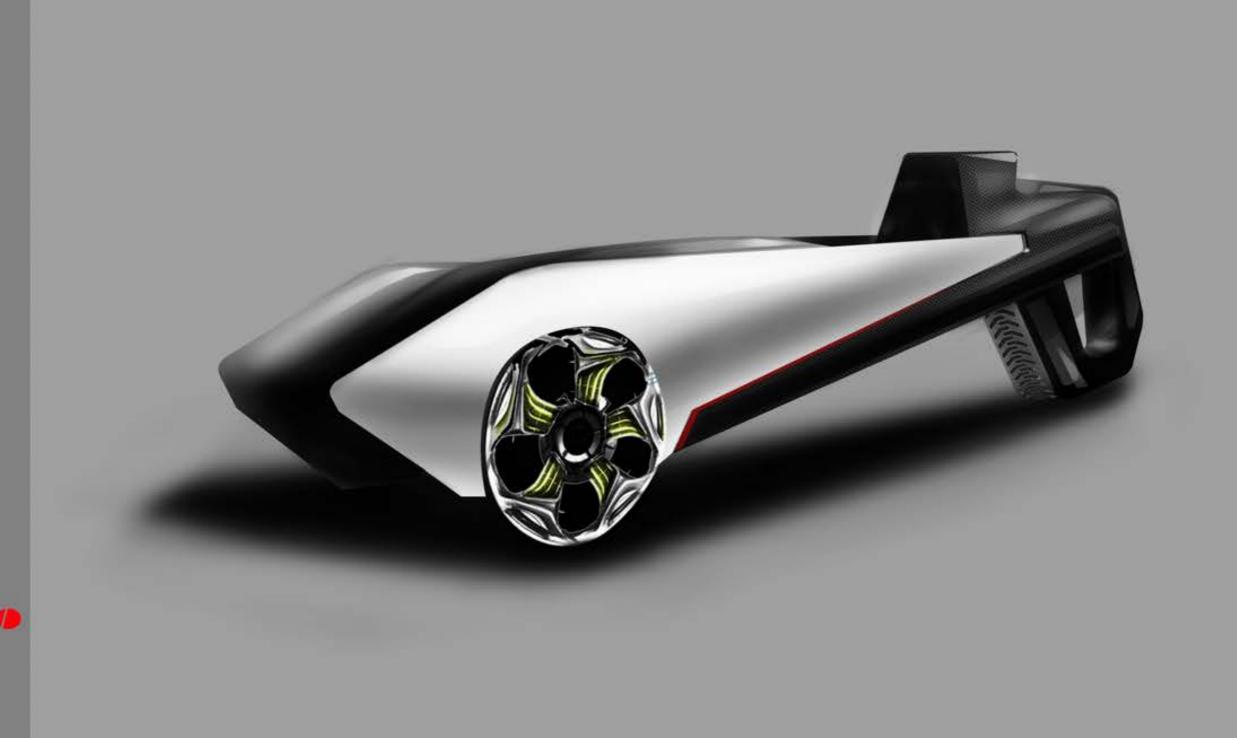






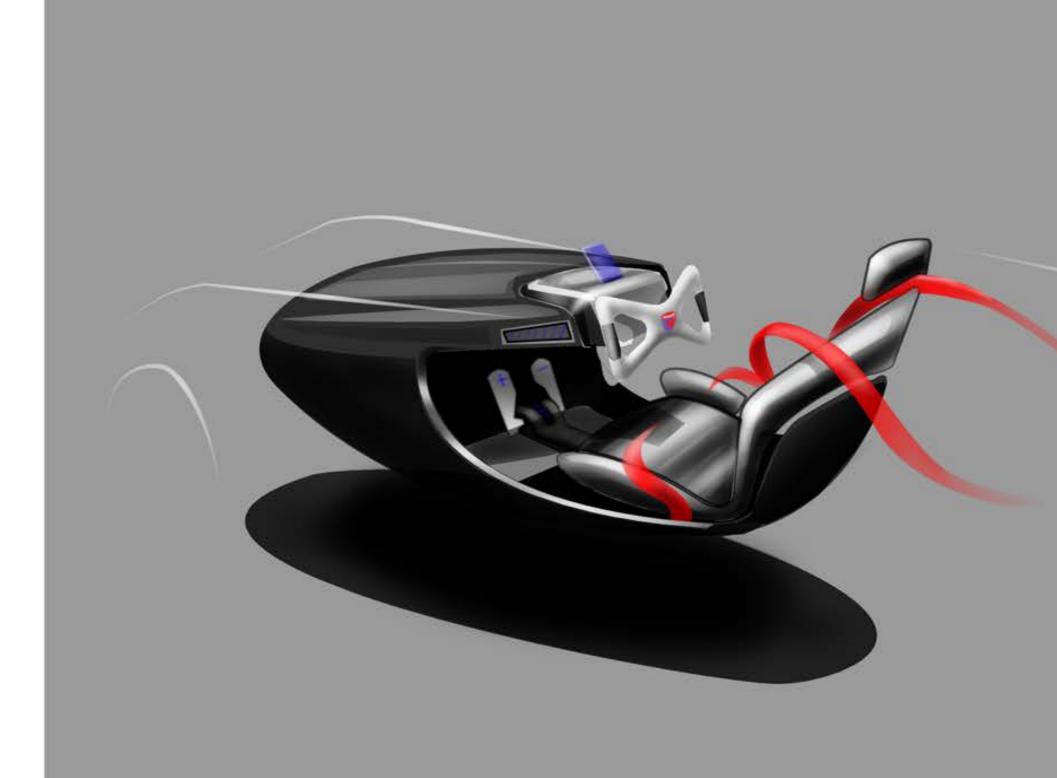
DUCATI

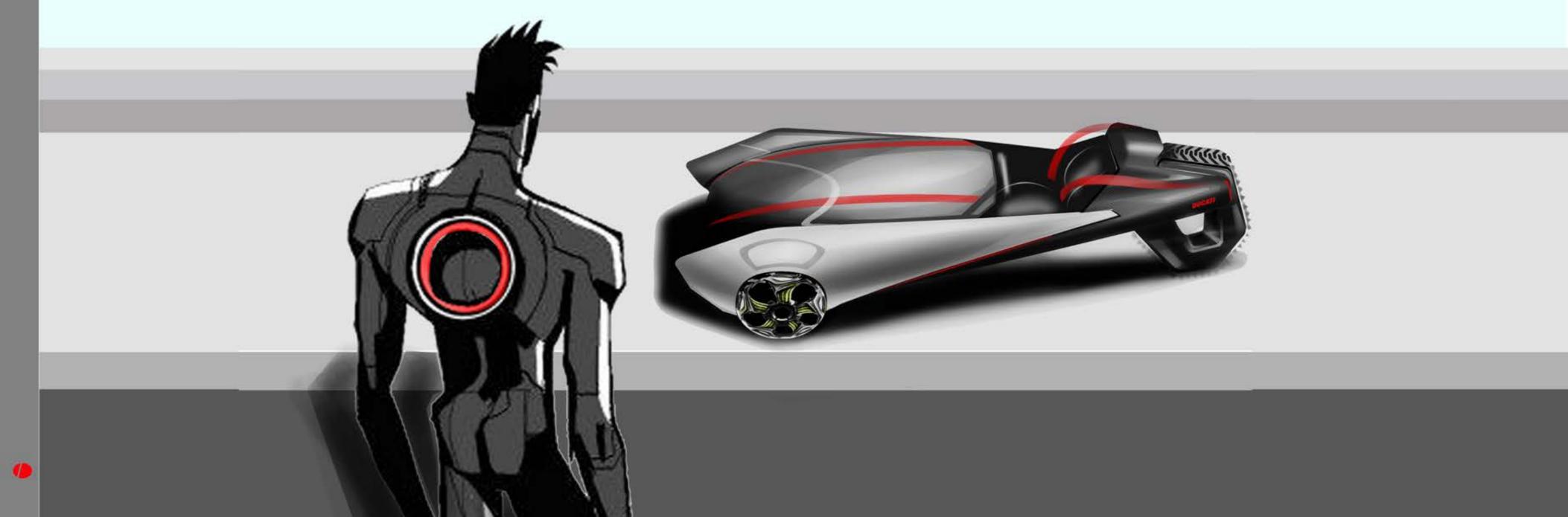










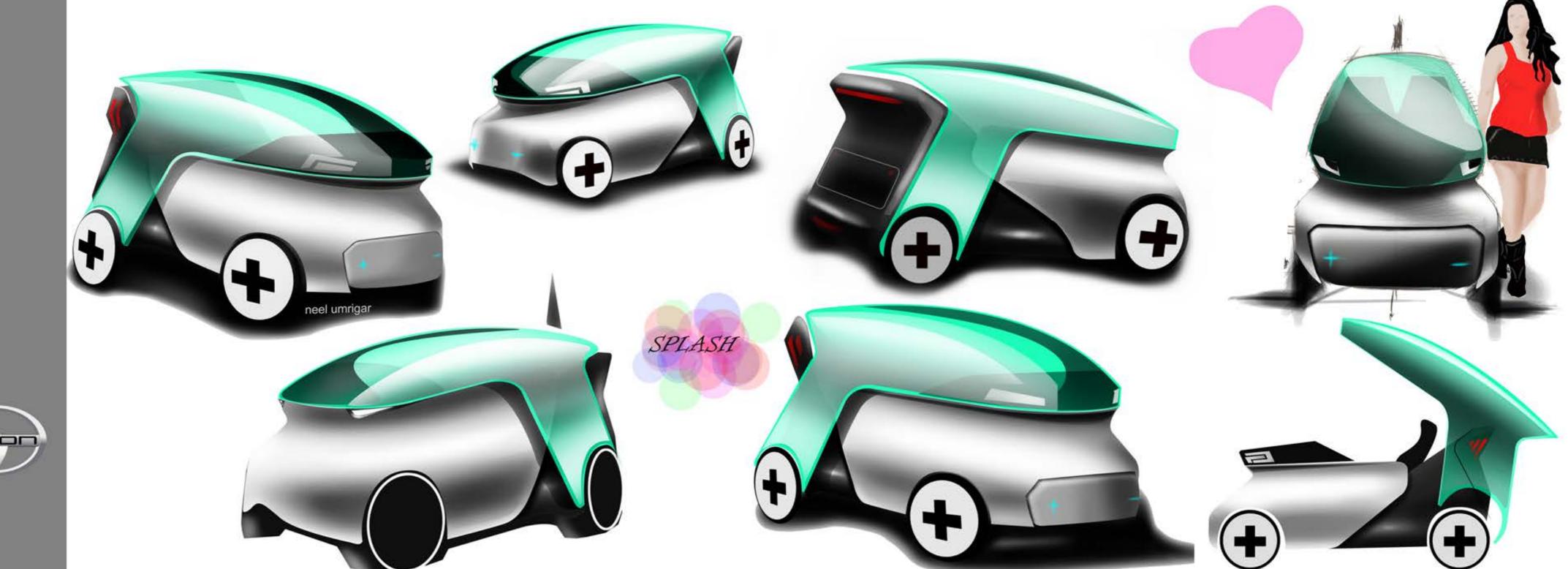




SCION SPLASH-EV





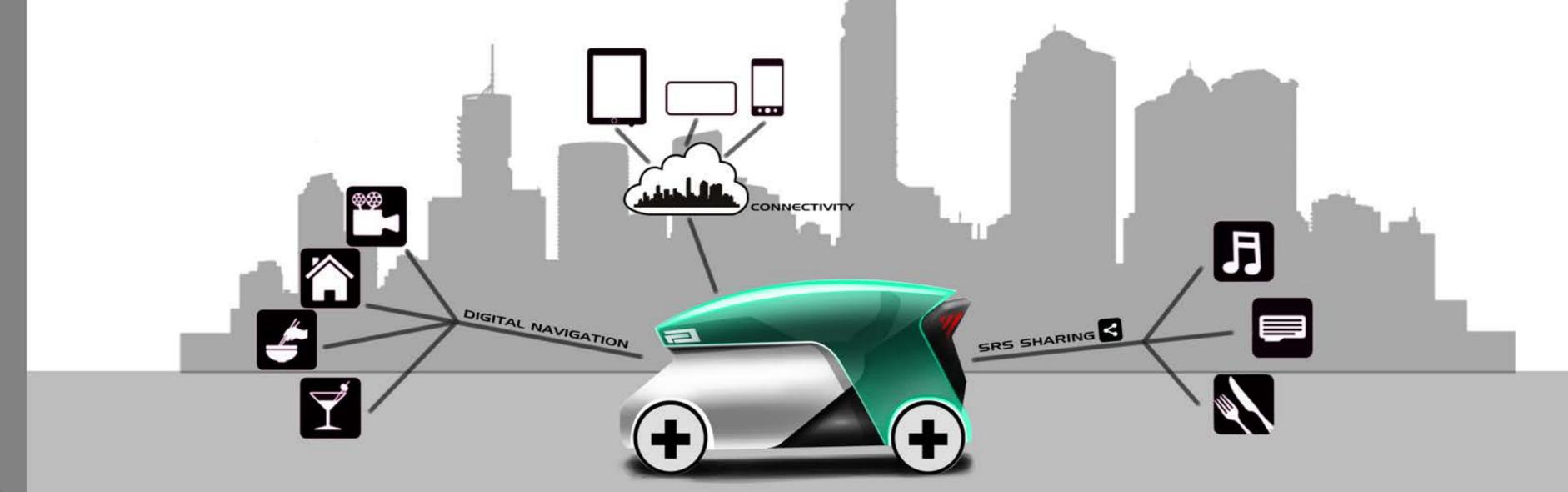








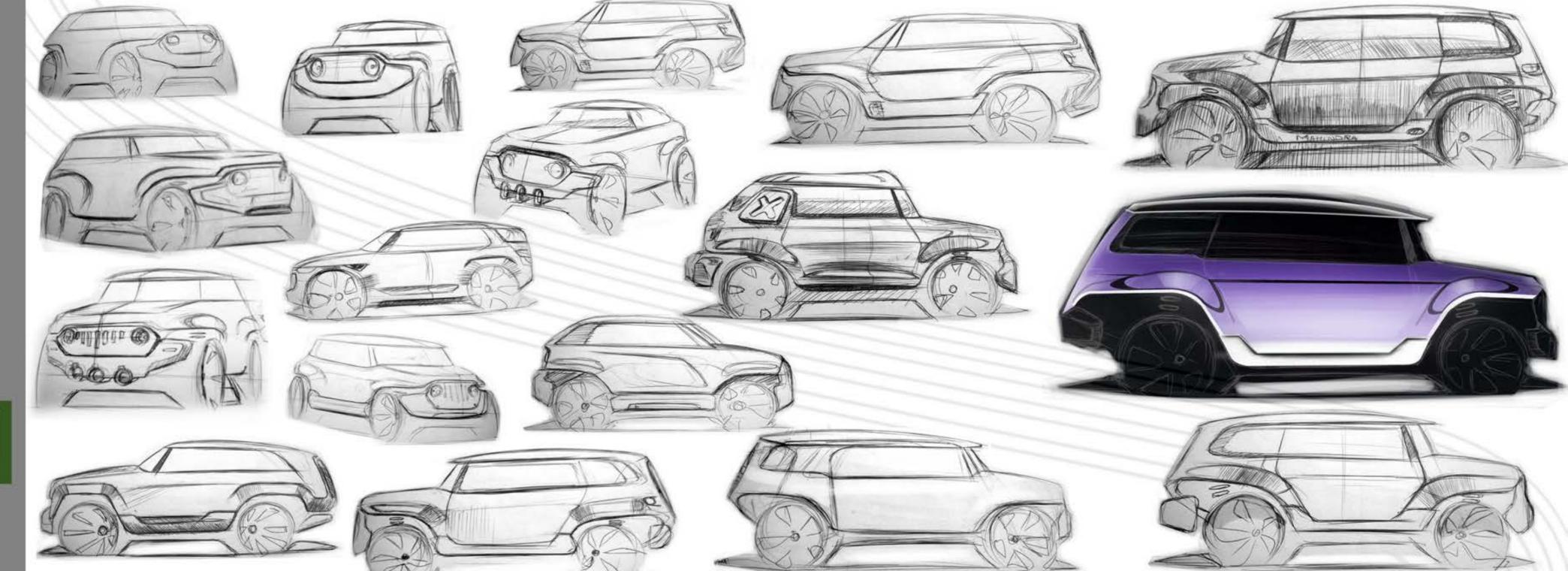




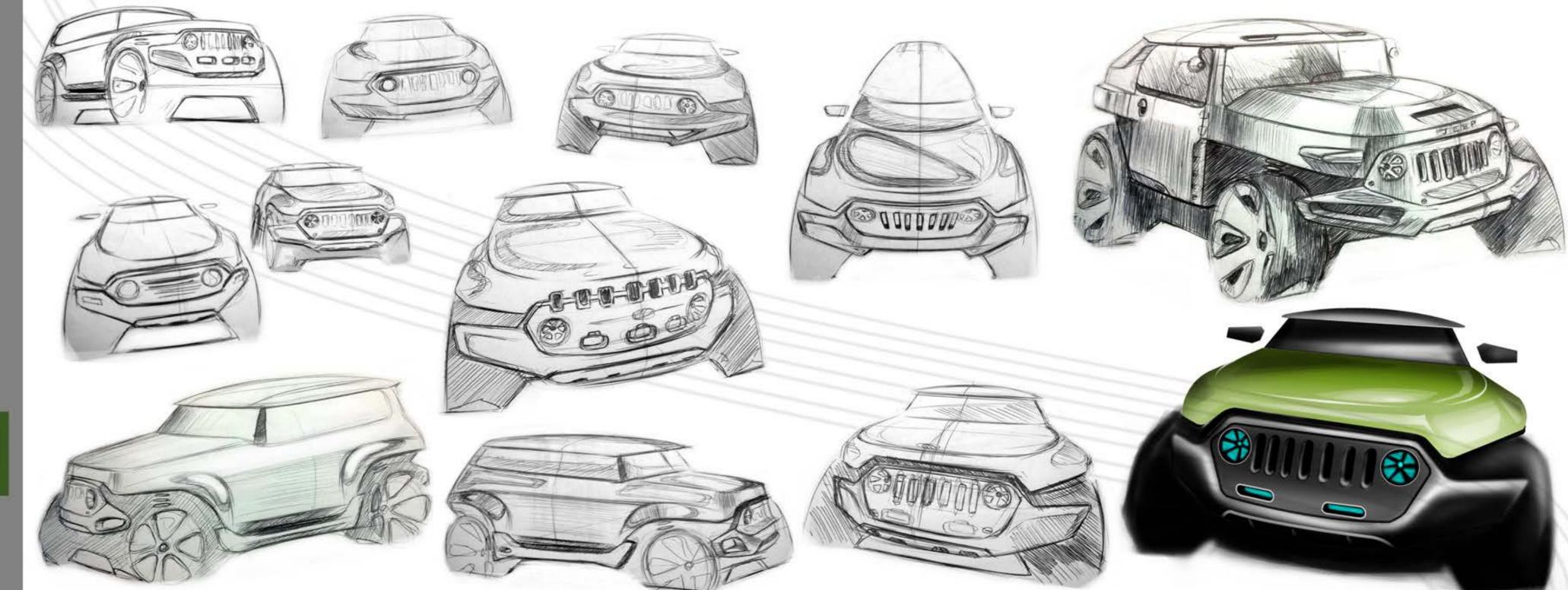




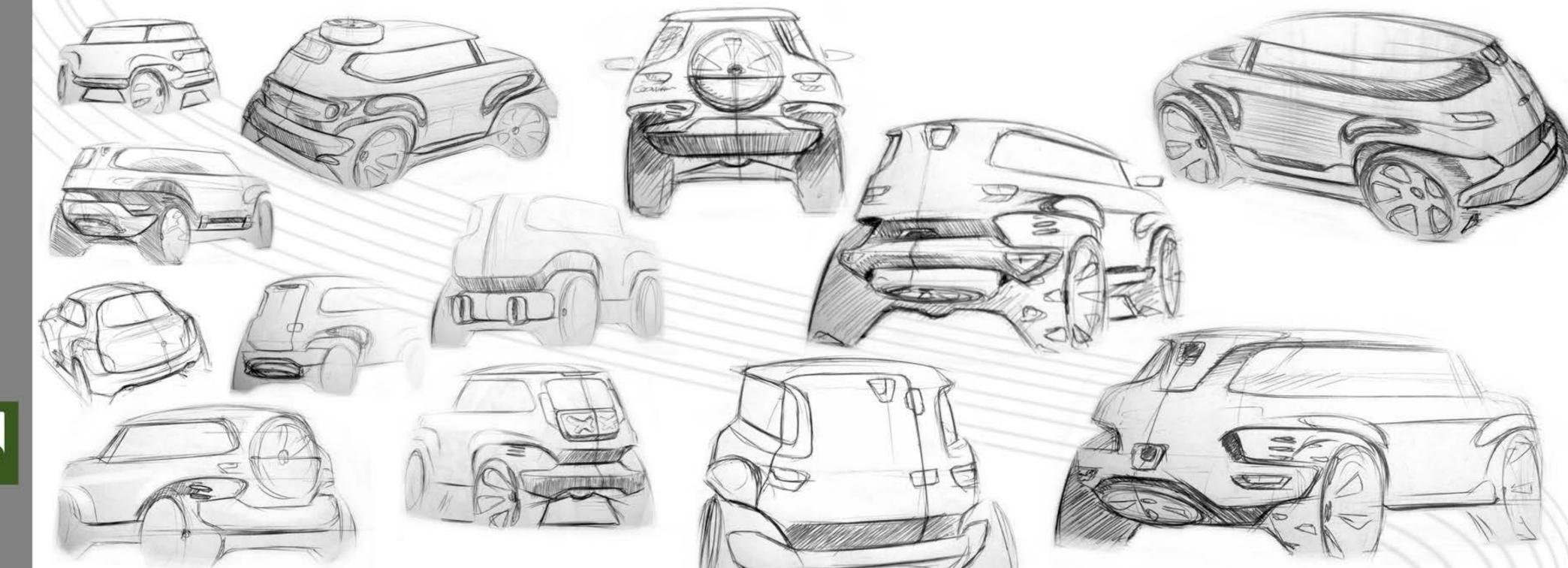
JEEP COMMANDO





















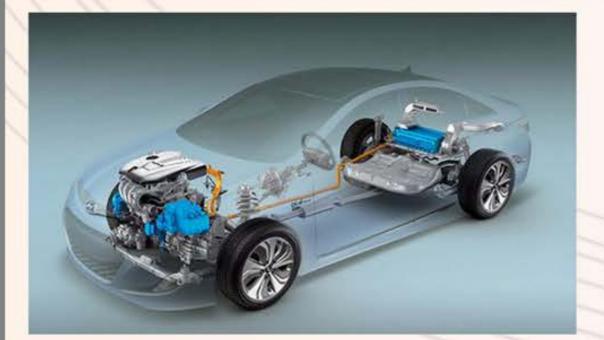




NEXT GENERATION HYUNDAI HYBRID

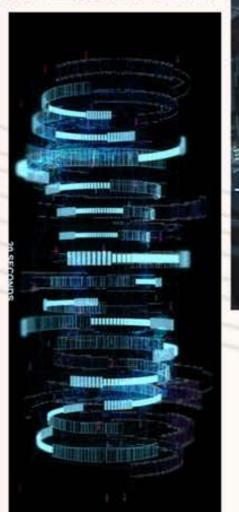
HYUNDAI HYBRID TECHENOLOGY

HYUNDAI FAMILY



CAR INRERFACE AND

EXPERIENCE |



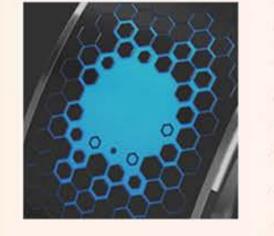




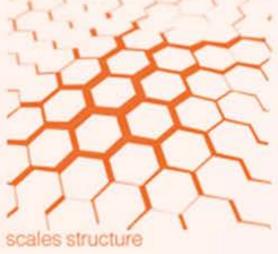




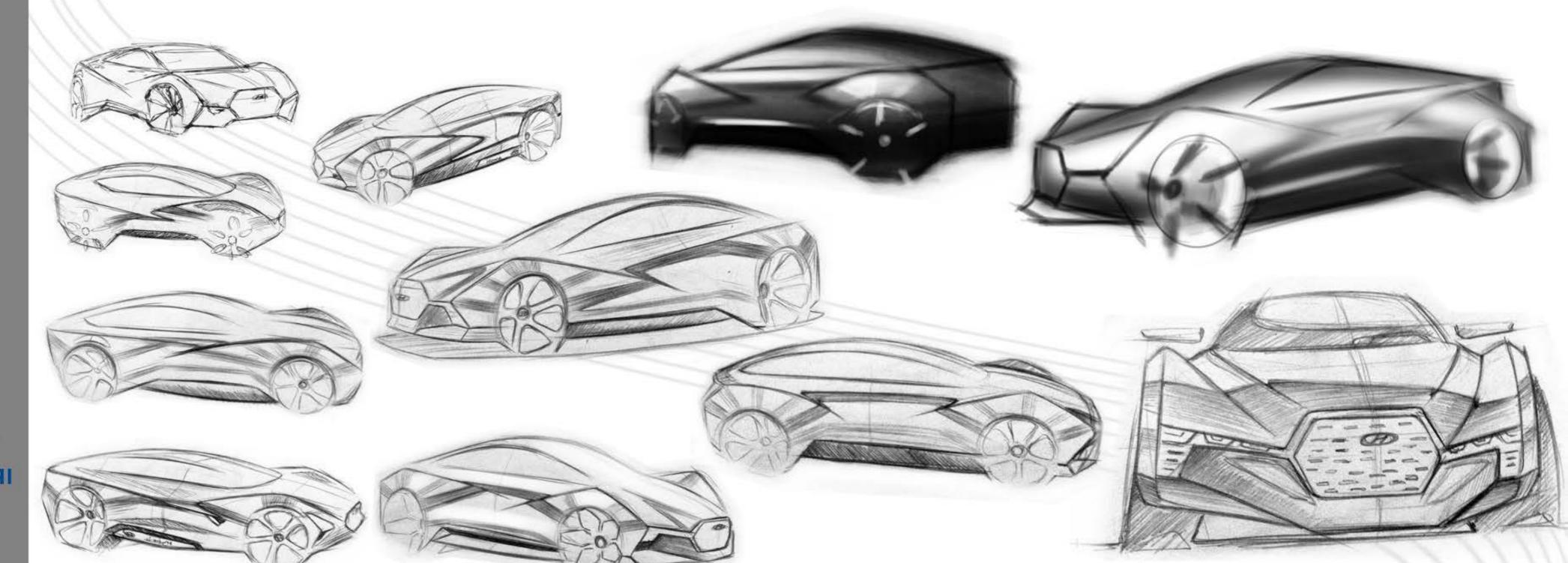




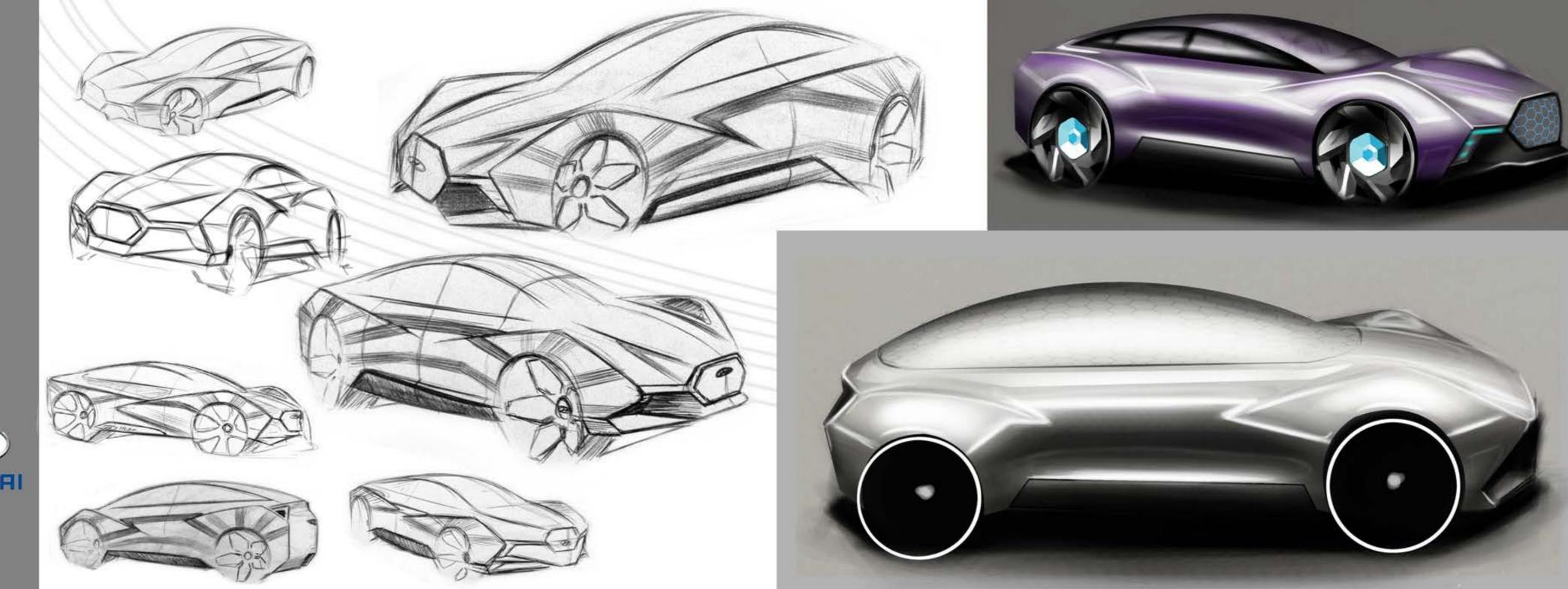
INSPIRATION



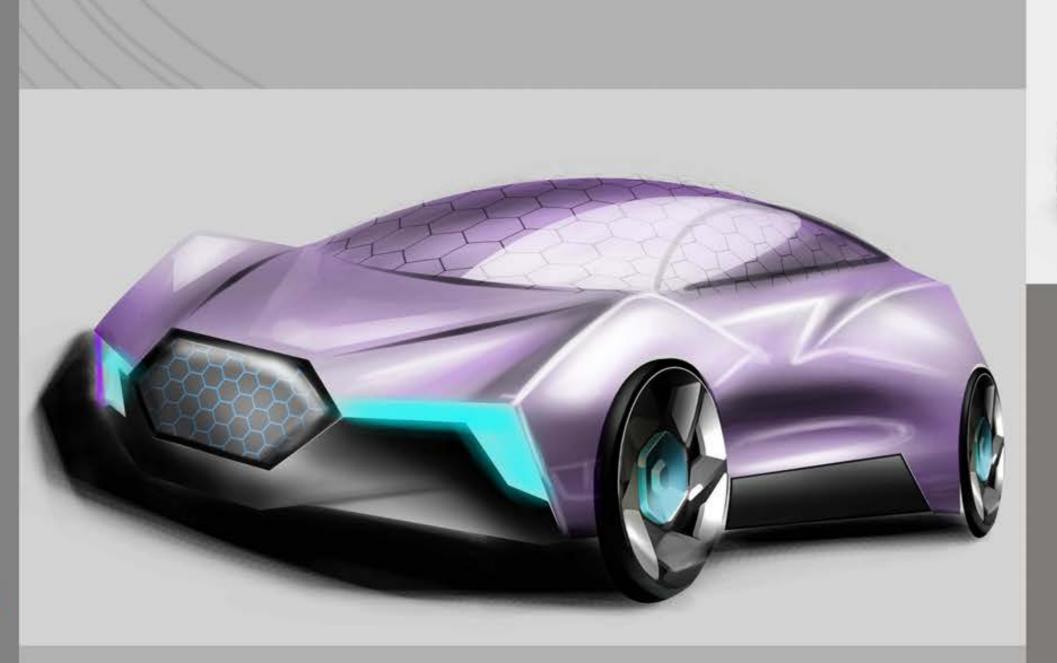


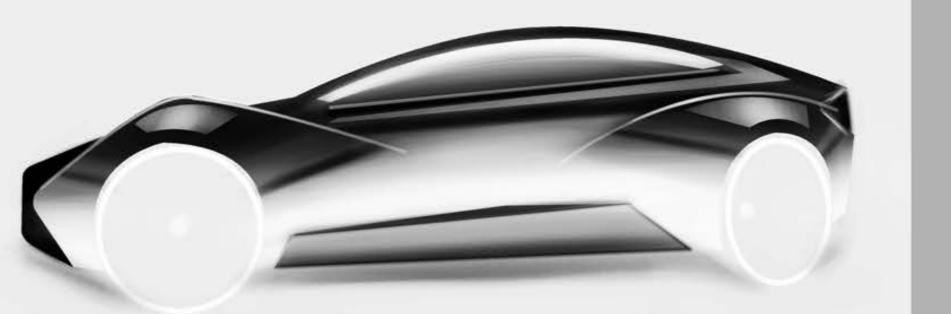


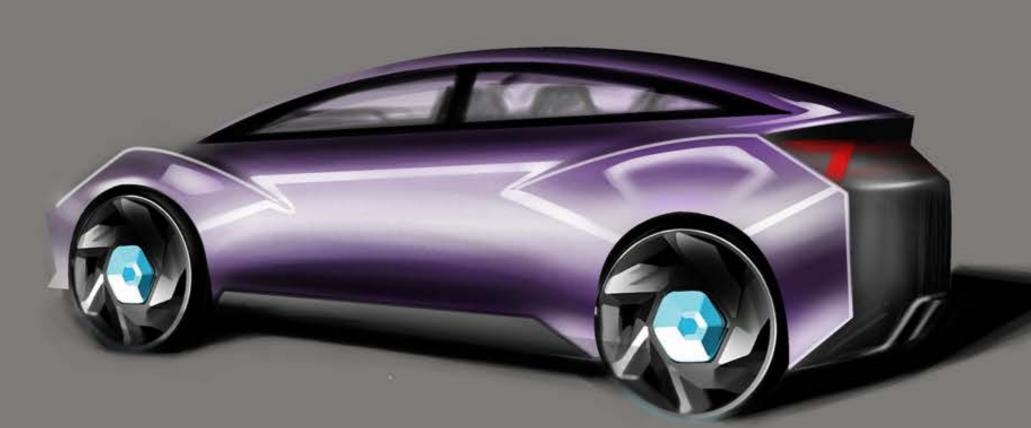














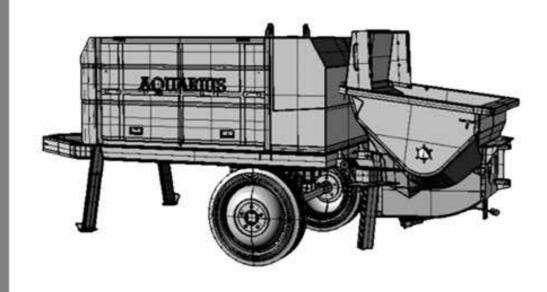
Design concrete pump of AQUARIUS

2 month internship project in AUTOMOTIF DESIGN FIRM, PUNE

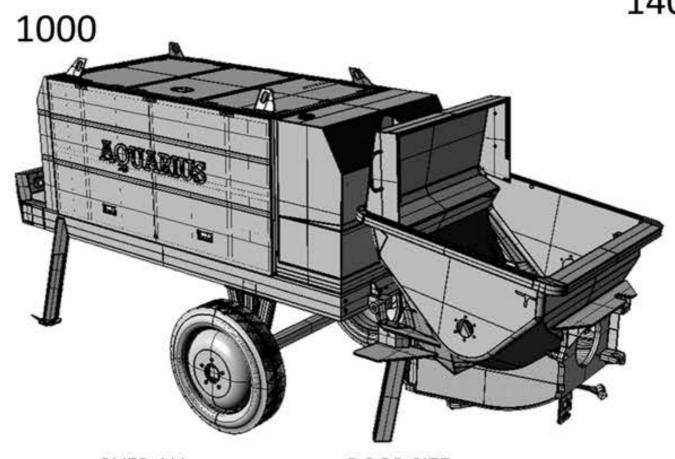
Project brief
Design concrete pump of all three series for AQUARIUS

Existing design study

700



OVER ALL LENGTH 2123mm WIDTH 1050mm HEIGHT870mm DOOR SIZE LENGTH 1525mm HEIGHT870mm



OVER ALL LENGTH 2420mm WIDTH 1090mm HEIGHT 872mm DOOR SIZE LENGTH 1733mm HEIGHT 872mm OVER ALL LENGTH 3070mm WIDTH 1164mm HEIGHT 1010mm DOOR SIZE LENGTH2420mm HEIGHT 1010mm





User survey and analysis



700 series pump is smaller and compact 1400 series pumps are large and spacious than 700 and 1000 series.









All the pump controling units are under a body. Every time operator has to duck under a door and operate a pump.



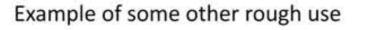
In the 1400 series, it is large and has tall door, operator face difficulty to open and close the door.





Hopper cover dose not give enough protection, an operator has using jute or plastic cover to protect a body.



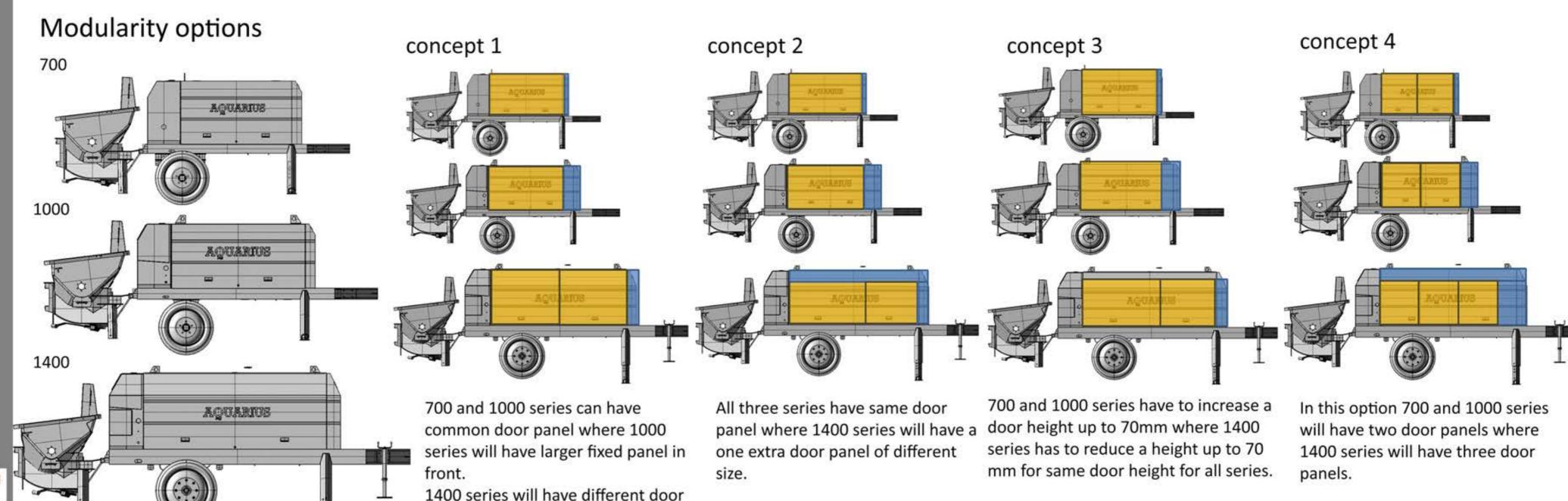








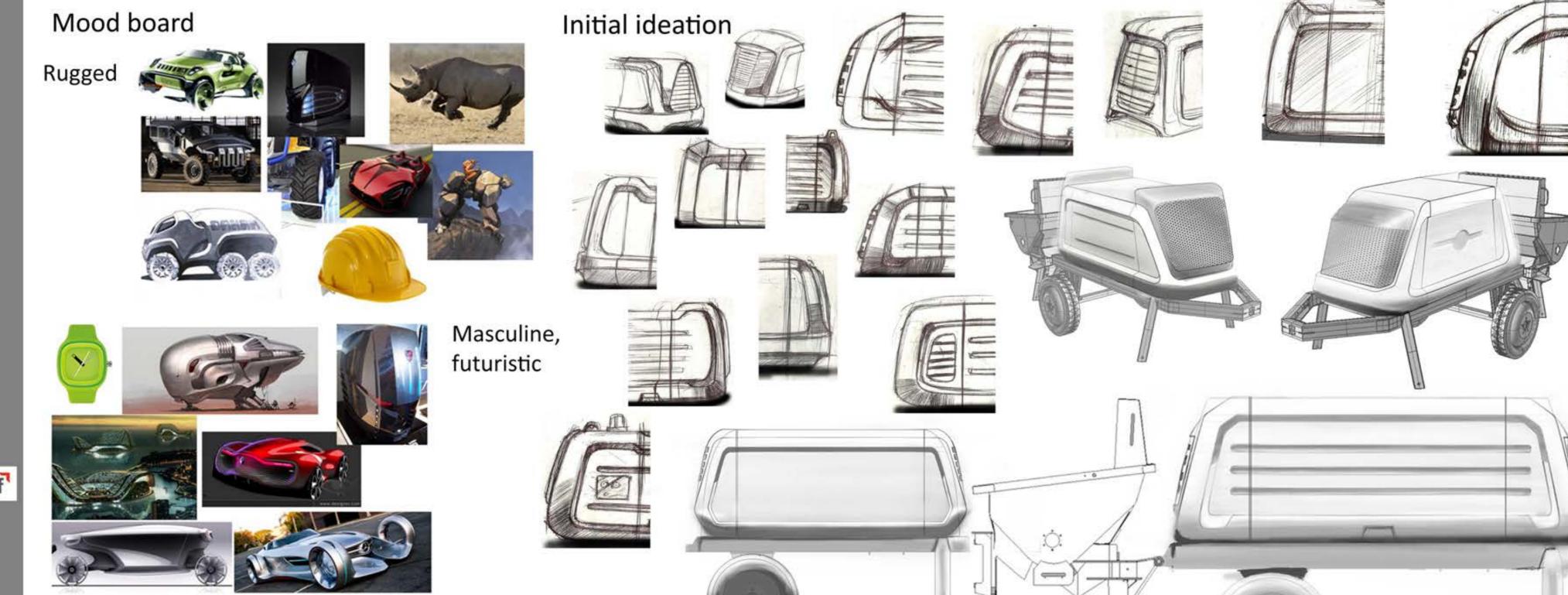




panel while keeping same design

intent.

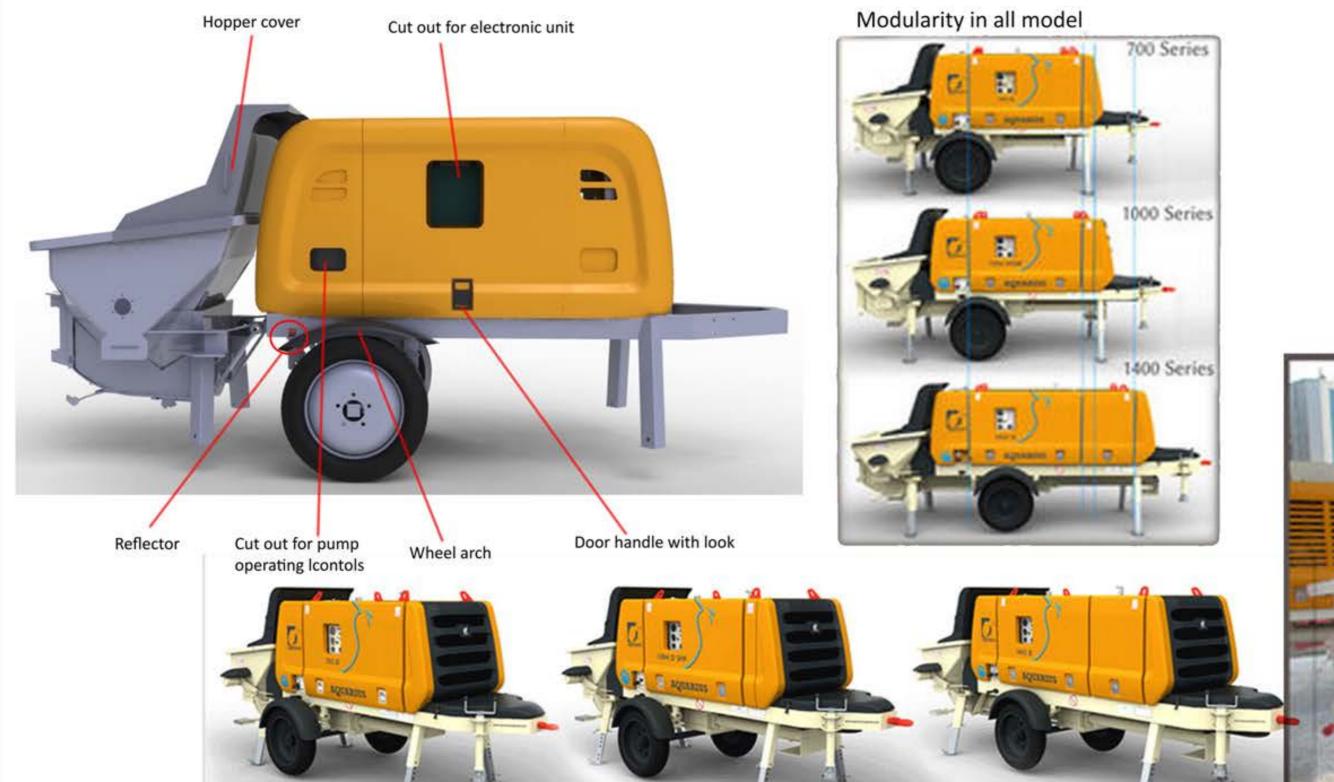
automotif



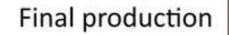
automotif¹



automotif



automotif¹







High Speed Rail Interior

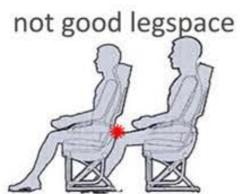
6- month internship work at TATA Elxsi, Bangalore

Users



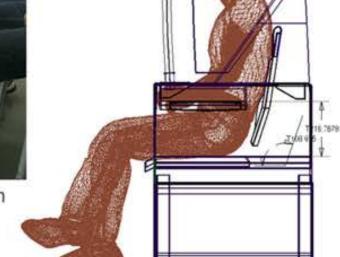


Current scenario







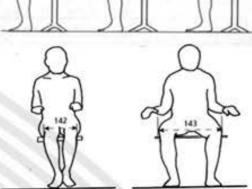


1st class coach





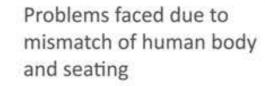




Ergonomic

correct posion of seating while travelling







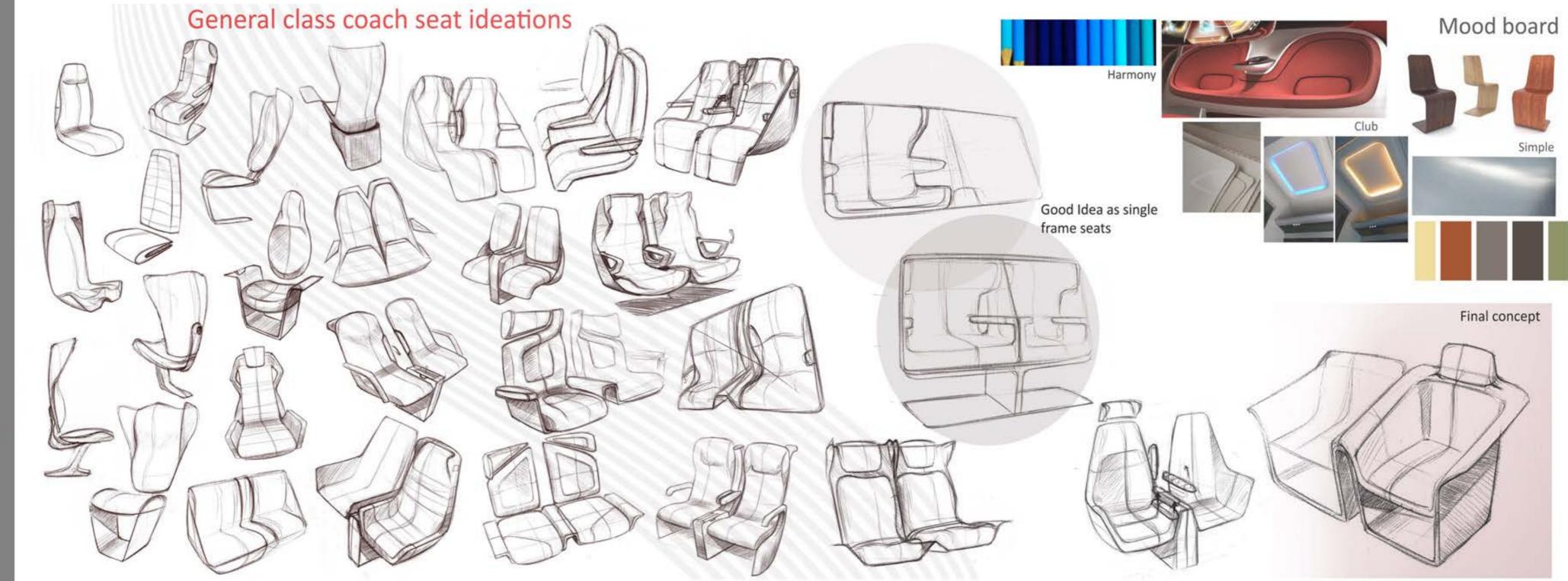


Businessmen Familise Childrens Old people etc.

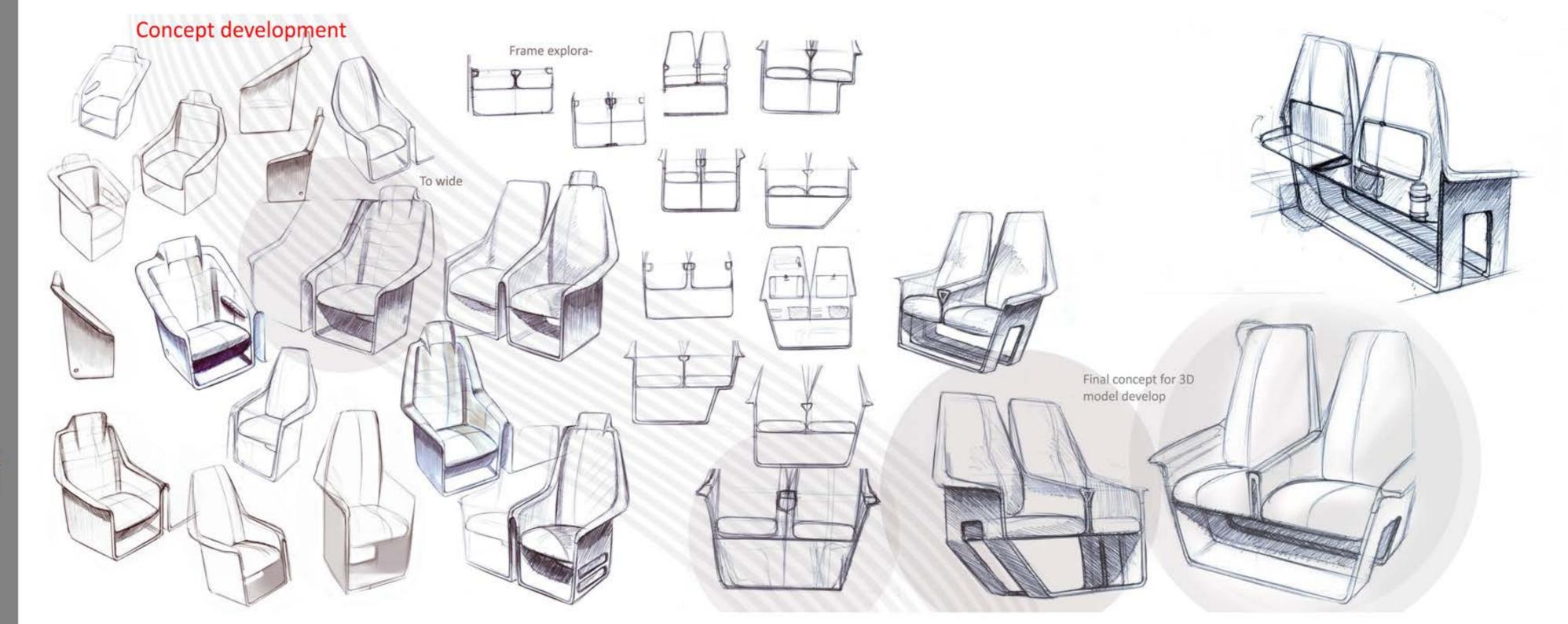


Luggage space



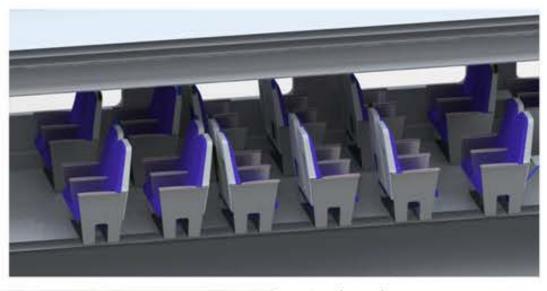








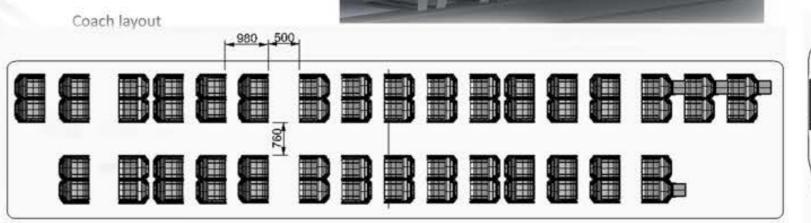




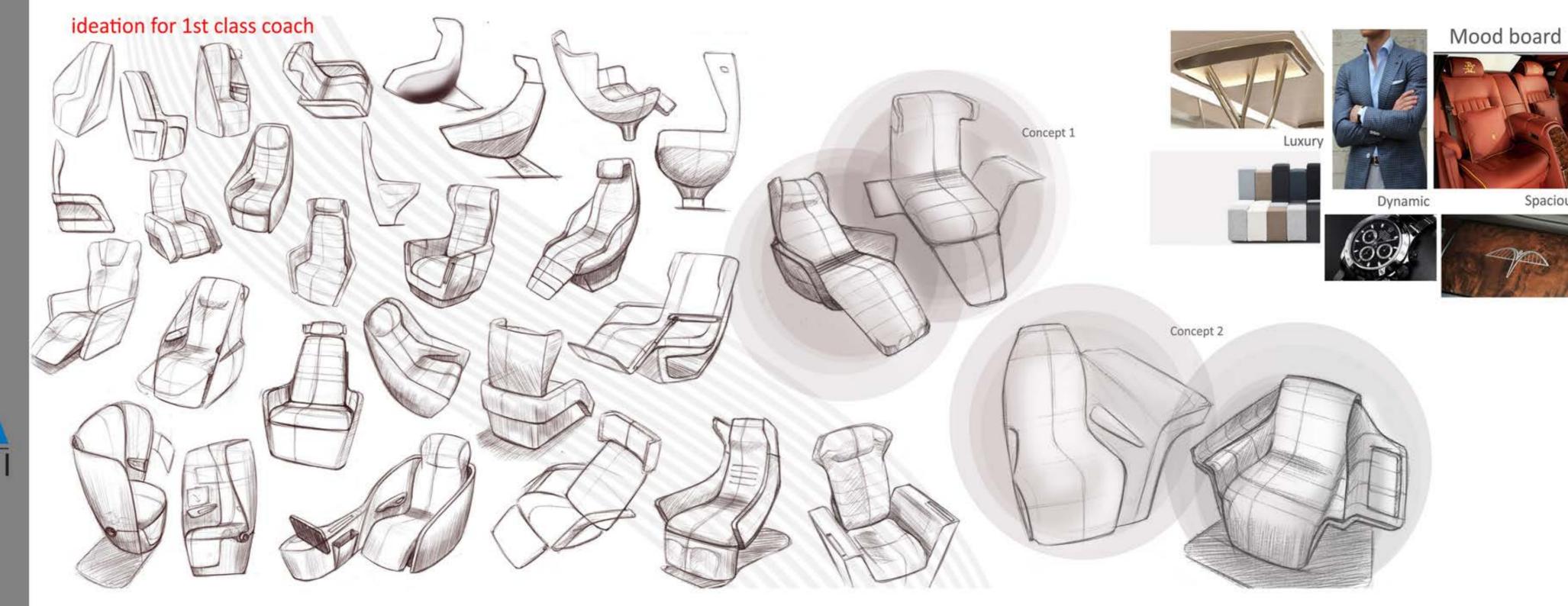






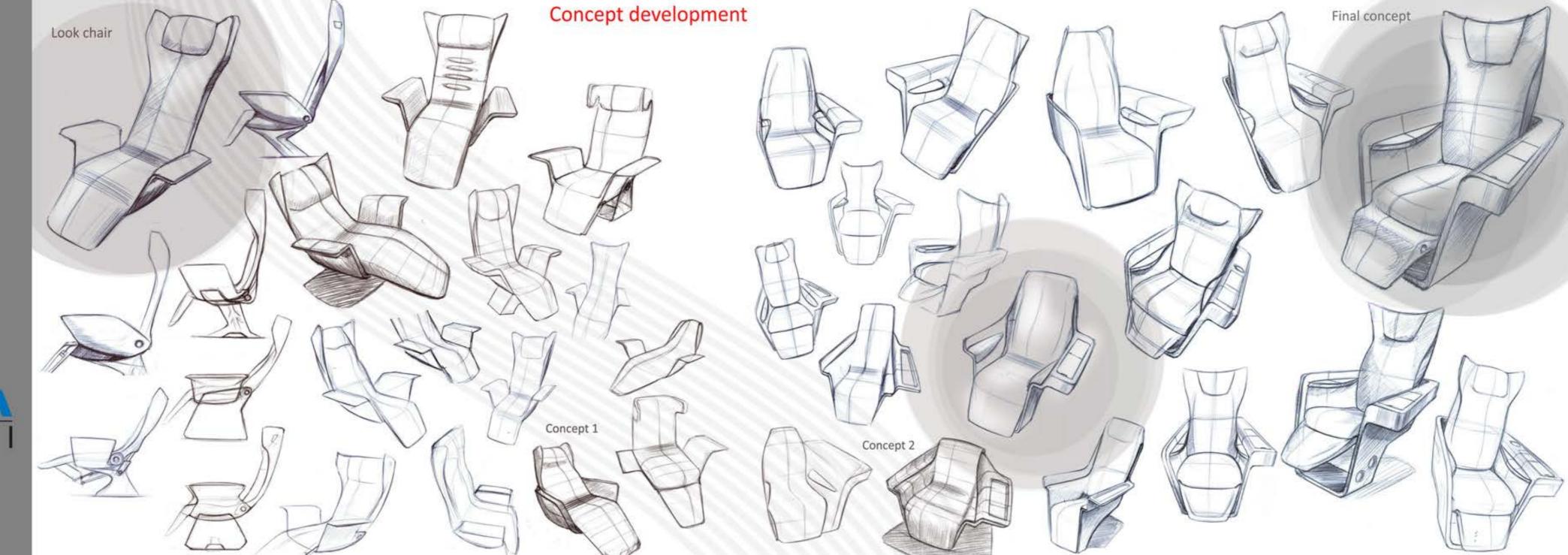






Spacious



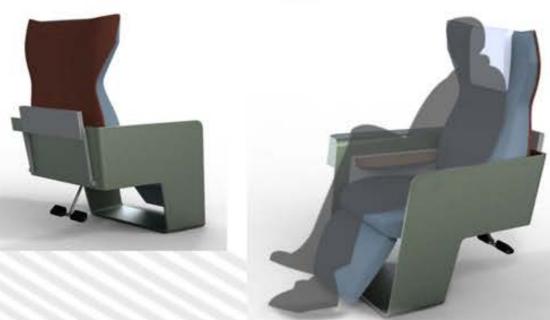






3D model renders





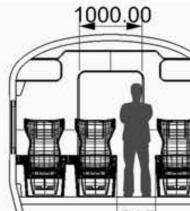




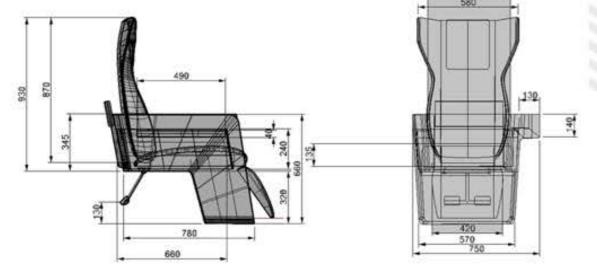


Coach layout



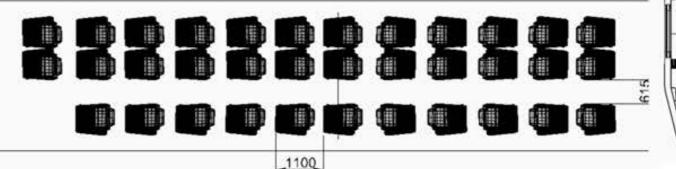


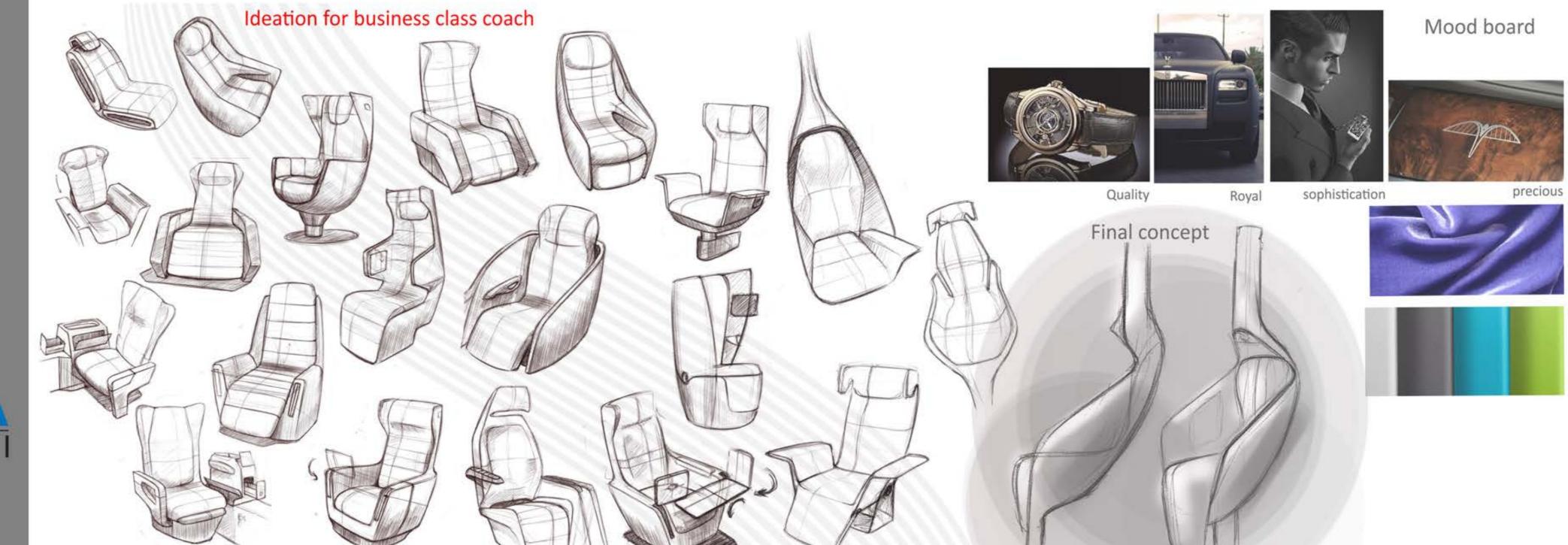
Dimensions



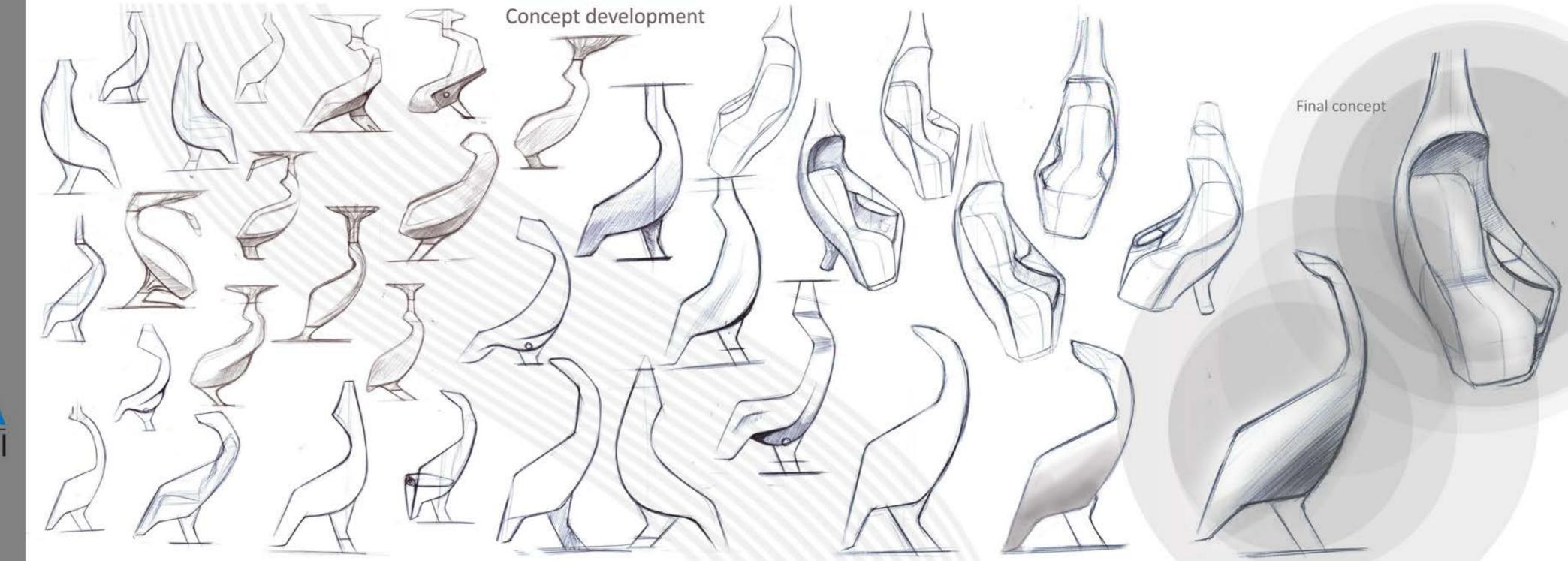








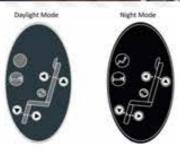














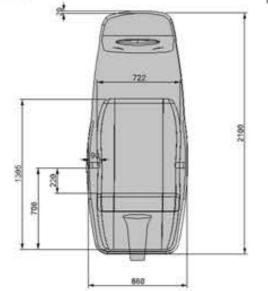




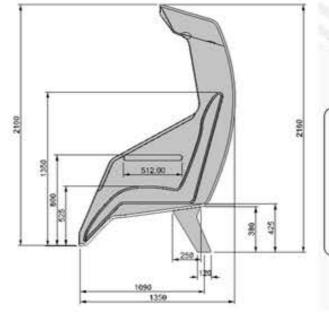




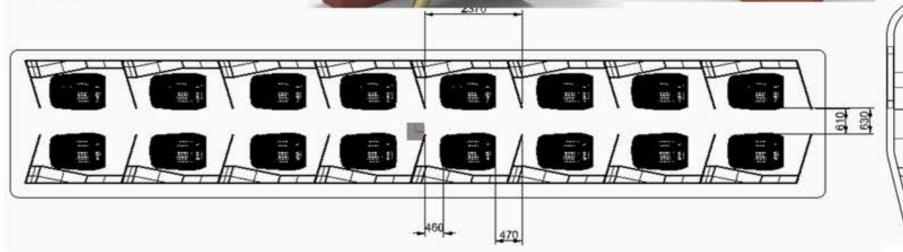




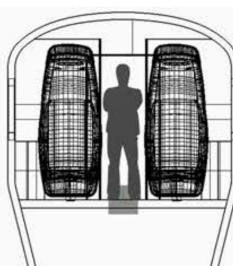




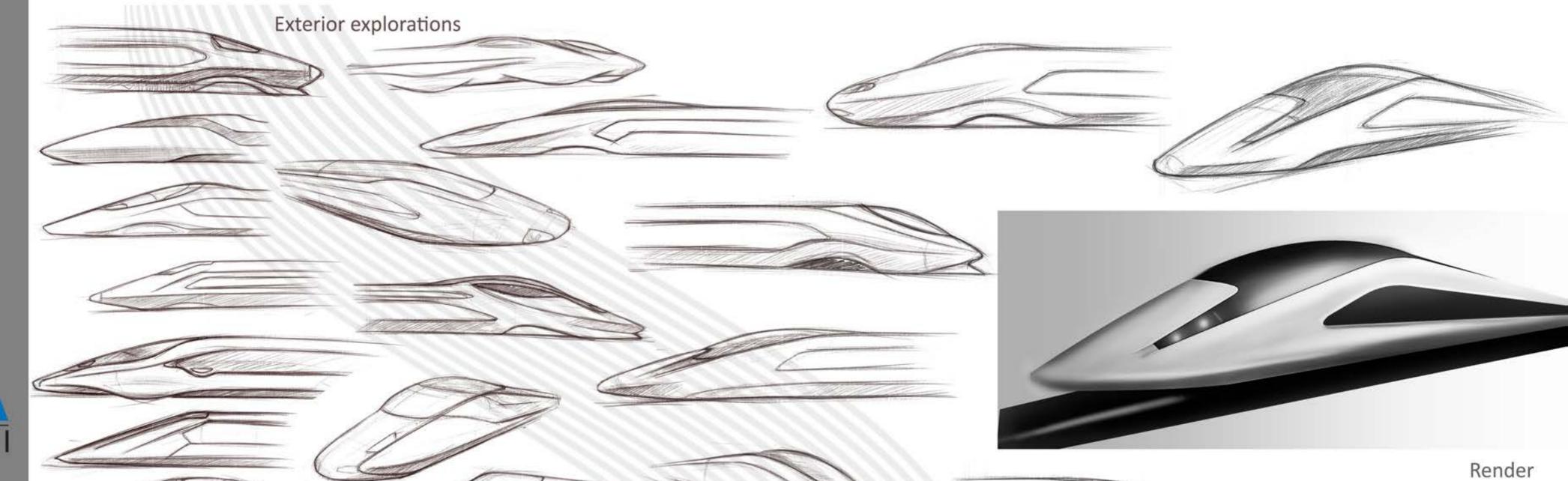
Coach layout



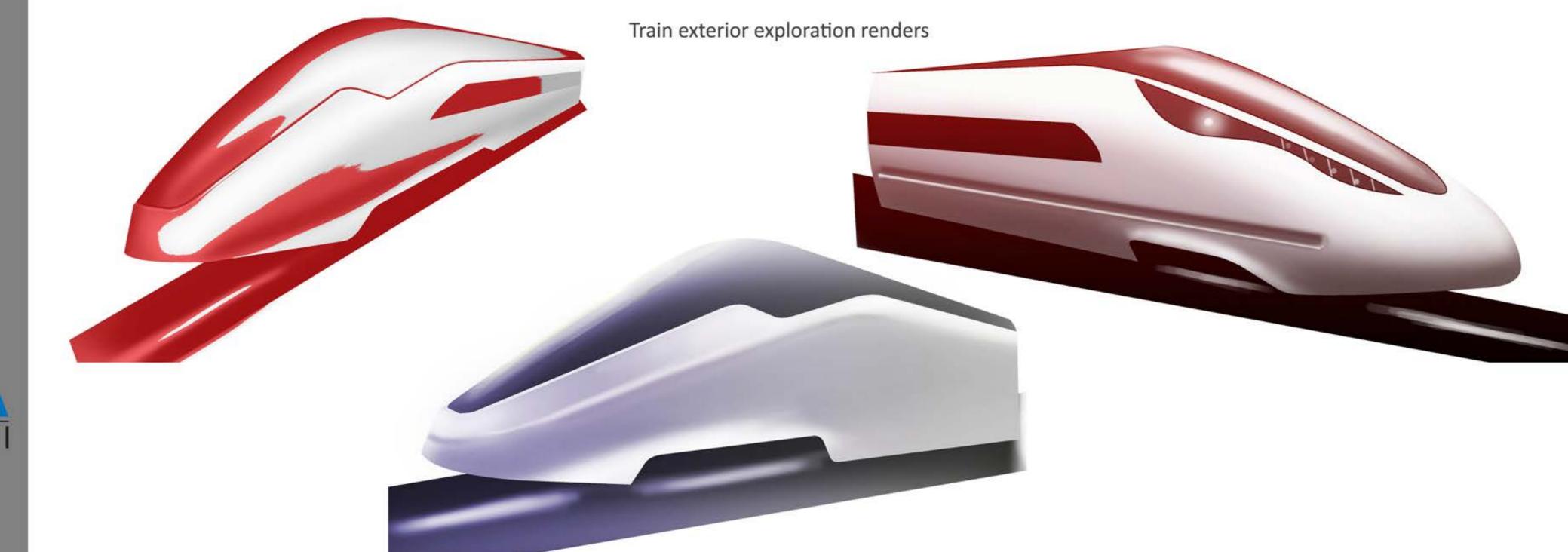














Live project - Styling of SAE SUPRA RACING CAR In collaboration with MIT Engineering collage, Pune.

Group project

MITID - Neel Umrigar, Praveen K (styling and rendering)

MIT Engg. - Team Acceleracers (engineering, modeling and manufacturing)

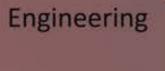
Winner of Best Design Award 2012, The event held in Buddha international circuit, New Delhi, India.

Research

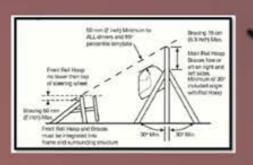


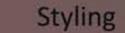
Current cars











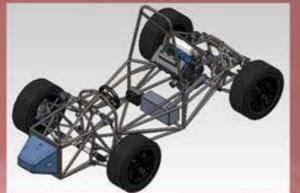


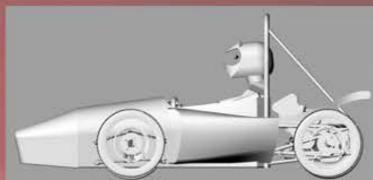
Last year racing car of team Acceleracers





Stared with basic study of frame structure and dimensions of the car.

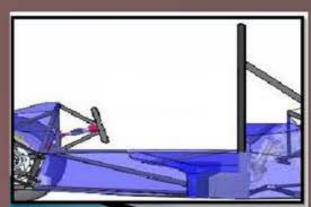




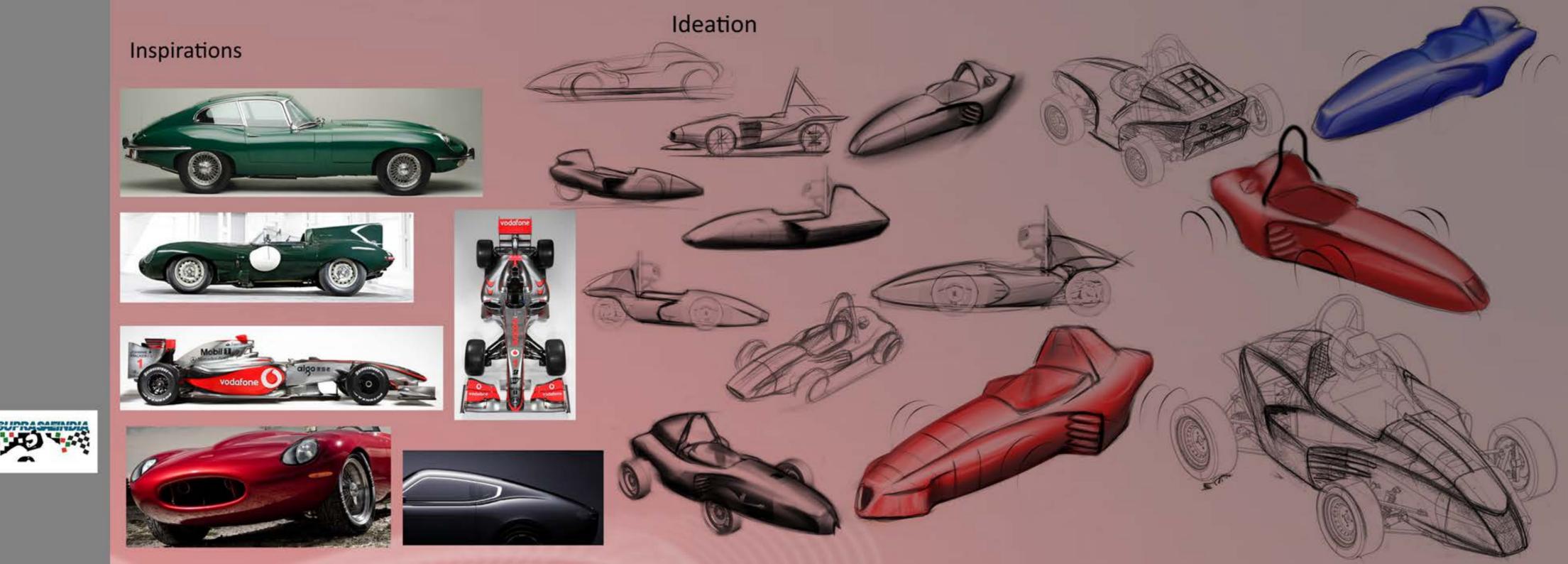


Understanding driver's potition and steering wheel angle.



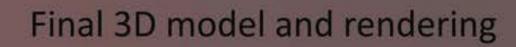




















the cars that will





Final finished car

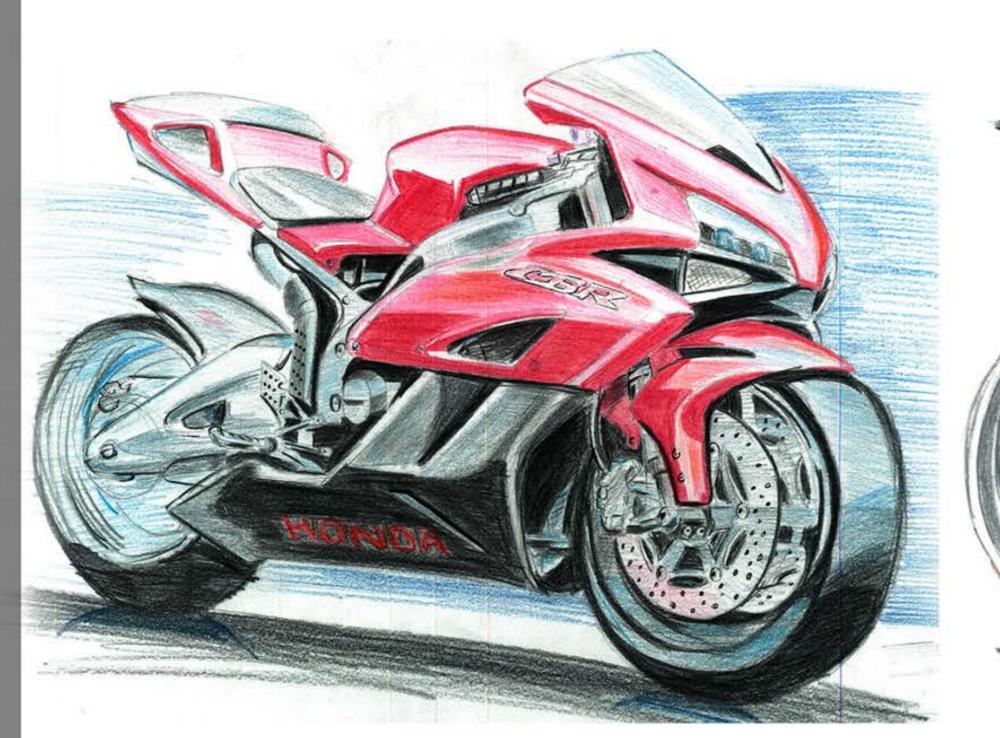


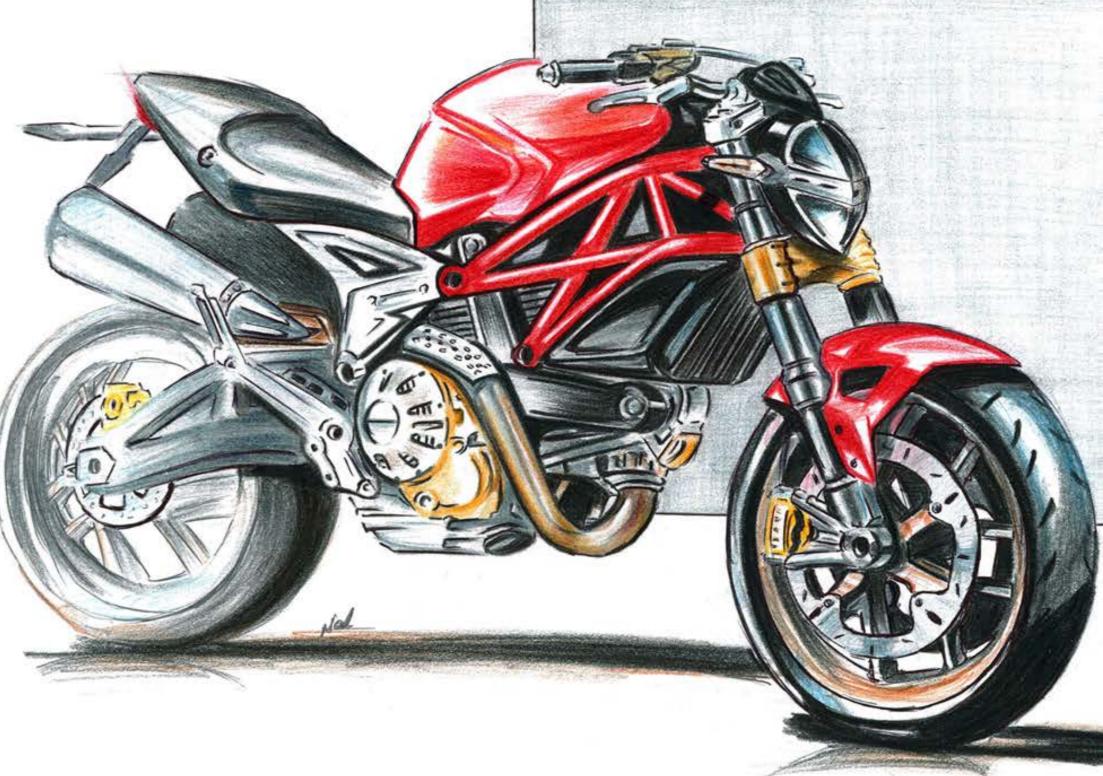












Rendering



PERSONAL PROJECT



PERSONAL PROJECT



PERSONAL PROJECT







Rendering







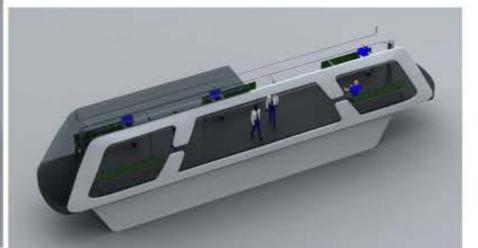


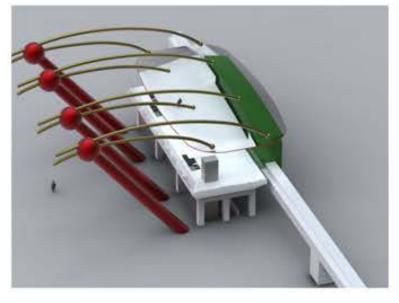
Rendering





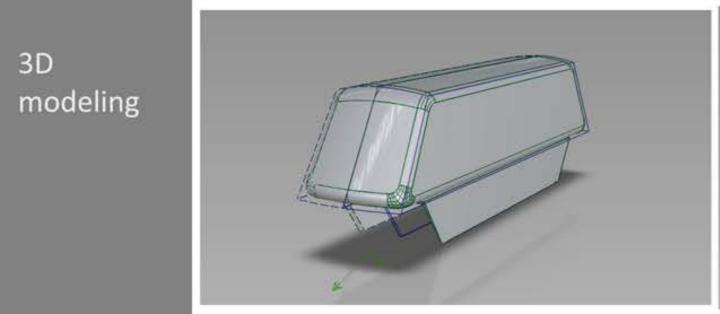


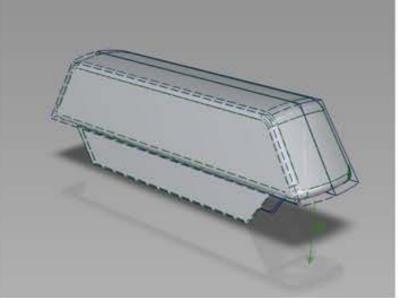


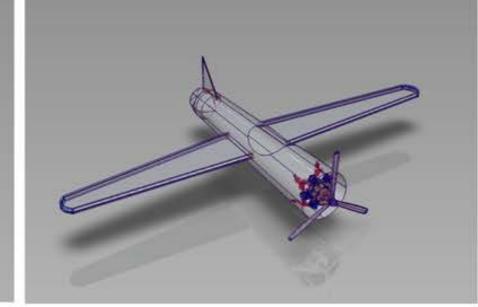


rahino modeling

alias modeling











Experience and Achievements

2012- 6 months Diploma Project Intership at **TATA Elxsi**. (working on High speed rail for Europe.)

2012- 2 months Internship at **Automotif**, Pune. (working live project on concret pump.)

2012- Working live project STYLING SAE SUPRA RACING CAR in collabration with MIT collage of engineering, Pune. (Winner of Best Design Award 2012, event held at Buddha international circuit, New Delhi, India.)

2011- Attending Automotive Design and Styling workshop at ARAI.

2013- Award for Best Student in Transportation Design for Batch 2011-13.



Neel umrigar

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http://issuu.com/neelumrigar/docs/issuu

Resume

Education

2010-2013: Post Graduate Diploma in Transportation Design MIT Institute of Design, Pune.

2005-2009: Bachelor of Automobile Engineering

L.D.Collage of Engineering, Gujarat University, Ahmedabad.

skills

hand sketching, rendering digital sketching, rendering drypestal and marker techniques automotive clay polystyrene foam wood and metal

languages English Gujarati Hindi

softwares

photoshop sktchbook pro rhinoceros 3d modeling autodesk alias key short

Thank You