



# अभिव्यक्ति

The word of expression.... A Quarterly Newsletter

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Article

Newsletter 2024 Volume-2 (April to June)

#### Vision

To build sound engineers with an orra of human values who are determined for social betterment

#### Mission

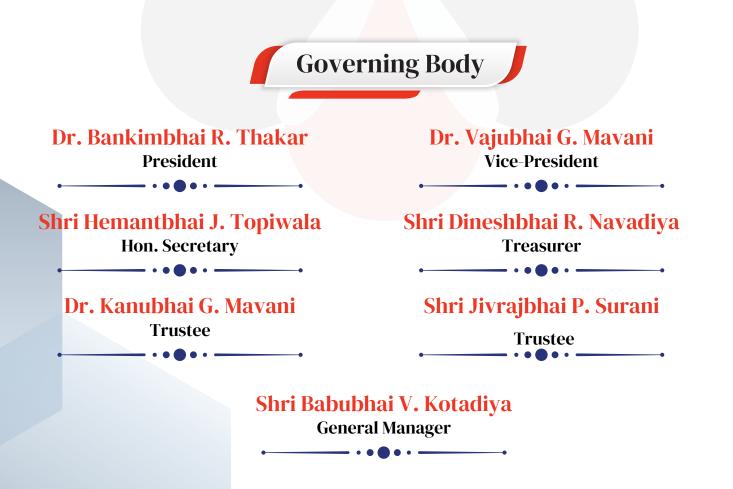
To develop the Tapi Diploma Engineering College into a "Center of Excellence" in the field of Technical Education by:

- Providing the state of art Laboratories & institutional facilities
- Encouraging students to study beyond the curriculum

- Creating an Environment for all round integrated personality development of students

### **Quality Policy**

The knowledge oriented system & excellent teaching faculty of the institute, develop a learning environment for all and foster continues improvement in the quality of academic work. Also recognize and improve the skill of student through various curricular & co-curricular activities.



## From the desk of Principal



Congratulations to all 6th sem students for their excellent results in 6th sem GTU examination. I heartily congratulate to all 6 semester students who have placed in various Industries during the campus interview. Tapi Diploma Engineering College also provides opportunity for all students to participate in the entrepreneurship and start up program arranged by Gujarat innovation & start-up centre at Surat which is under students starts up innovatio n policy. Student should have focused on New Era problems try and to find solution on the problems through the start-up. Government is very much supporting in this field as India need lots of start up to become a develop country in future many opportunities are opening up for India. Engineering to grab their opportunities. student has to work hard and should show the sincerity to address the problems & also change their mind set you all are very much fortunate that you are youth in such period which has maximum facility available which were never before on this planet wish you all the best for your future endeavour.

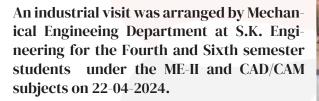
#### Dr. Y.S. Choupare

Principal

#### **Student Industrial Visit**



An industrial visit was arranged by Automobile Engineeing Department at S.K. Engineering for the Fourth semester students to understand Metal working process under the Automobile Manufacturing Technology subjects on 09-04-2024.







An industrial visit was arranged by IT Engineering Department at VijayHO IT solution company, Surat for the Fourth semester students on 23-04-2024.

#### **Student Industrial Visit**



An industrial visit was arranged by IT Engineering Department at Webito Infotech, Suratfor the Sixth semester students on 25-04-2024.



An industrial visit was arranged by Electrical Engineeing Department at Sai Sales Corporation for the Fourth semester students under the Distibution and Utilization of Electrical Power subjects on 27-04-2024.

#### **Student Industrial Visit**



An industrial visit was arranged by Electrical Engineeing Department at HDE Pvt. Ltd. for the Fourth semester students under the Distibution and Utilization of Electrical Power subjects on 27-04-2024.



An industrial visit was arranged by Computer Engineeing Department at Skillcode Technologies for the second semester students to understand How IT Industry worksand new technology available in real world under the various langauges and frameworks on 04-05-2024.





An industrial visit was arranged by Chemical Engineeing Department at Jay Metal Tech for the second semester students to understand process and equipments under the CME workshop and M.S.&T subjects on 30-05-2024.

#### **Expert Lecture**



An Expert lecture was delivered by Mr. Mayur Vaishnav, Mr. Ashish Solanki and Mr. Chirag Kanani (R&W Multiledia Education Pvt. Ltd., Surat) on "Artificial Intelligence" to the Fourth semester Computer students on 09-04-2024.







An Expert lecture was delivered by Prof. H. B. Mehta (Mechanical Engineering Department, SVNIT, Surat) on "A Novel loop heat pipe based BTMS system for HEVs" to the Fourth and Sixth semester Automobile students on 23-04-2024.

#### **Beyond Curriculum Lectures**



Content beyond curriculum lecture was delivered by Mr. Mitul V. Patel (H.O.D. Computer Engineering Department) on "Artificial Intelligence tools" to his sixth semester students on 26-04-2024.



Content beyond curriculum lecture was delivered by Mr. Nishant M. Raval (Lecturer, Computer Engineering Department) on "Deepfake basics and its security implications" to his sixth semester students on 26-04-2024.

#### **Beyond Curriculum Lectures**



Content beyond curriculum lecture was delivered by Ms. U.Y. Bavadiya (Lecturer, Chemical Engineering Department) on "DCS & PLC system" to her sixth semester students on 01-05-2024.



Content beyond curriculum lecture was delivered by Mr. V. R. Sabhaya (H.O.D. Automobile Engineering Department) on "Utilization & Application of waste heat recovery from Vehicle" to his second semester students on 06-05-2024.

#### Hands on Session



Hands on session was conducted by Mr. Darshan Chauhan (Durvasa Infotech, Surat) on "API database connectivity and CURD operations in NodeJS" for the Fourth semester Computer Engineering students on 17-05-2024.

## **Technical Talk**



Lecture under the Technical talk was delivered by Mr. Nishant M. Raval (Lecturer, Computer Engineering Department) on "Deepfake basics and GAN model" to the faculty members of Computer Engineering Department on 06-04-2024.

#### **Project Fair**





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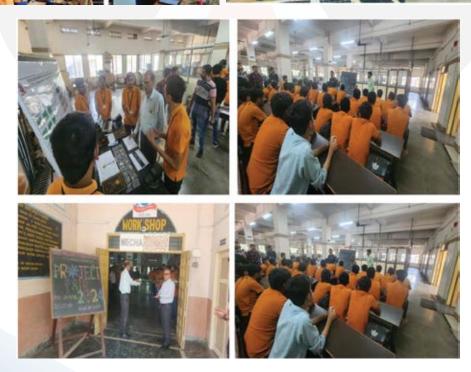










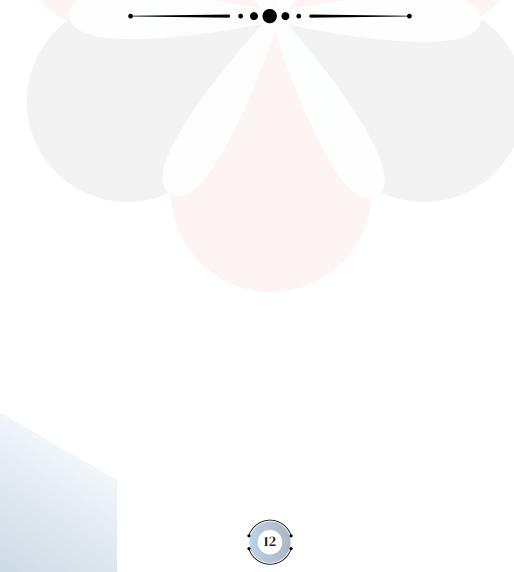


Project fair was arranged by ISTE committeee on 20-04-2024 for the final year students of all branches.

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Poster presentation competition was arranged by ISTE student chapter on 09-05-2024 for the second semester students of all branches.



#### **Institution's Innovation Council**



A competition was arranged by the IIC committee for all the second semester students of all branches to showcase any technical innovative business idea on 09-05-2024.



A session was arranged by the IIC committee for all the second semester students of all branches on "How to plan for start up and ethical steps" on 22-05-2024.



#### **Student's Achievements**



TDEC girls team won Final match and become University Champion in GTU Volleyball tournament organized by GTU at SVIT, Vasad on 05-04-2024.

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TDEC boys cricket team achieved Runner-up position in the GTU Inter college cricket tournament 2024 (South zone) organized at CKPCET, Surat on 10-04-2024.



TDEC boys cricket team achieved Runner-up position in the GTU Inter college cricket tournament 2024 organized at GPERI, Mehsana on 01-05-2024.

#### **Student's Achievements**



Sixth and Fourh semester students of Computer Engineering Department have participated in Creato Hackathon 2024 at BBIT, Vallabha Vidhyanagar on 19-04-2024 and win a trophy in "Idea having revenue generation capability" category.



LODALIYA YUGBHAI NITINBHAI COMPUTER DEPTT. Prize: Rs. 3000/-

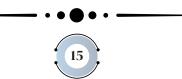


BHISRA PARTHIK JITENDRABHAI MECHANICAL DEPTT. Prize: Rs. 3000/-



BHINSARA KRISH RAJESHBHAI MECHANICAL DEPTT. Prize: Rs. 3000/-

Following students have participated in Gujarat Gyan Guru Quiz organized by KCG, Gujarat and each student won Rs. 3000 as a cash prize in the quiz on 29-04-2024.



#### **Training & Placement**



An Aptitude and technical session on the topic "Series" was delivered by Mr. K.S. Chavda (Lecturer, Chemical Engineering Department) for his Fourth semester Chemical Engineering students on 05-04-2024 and 26-04-2024.

Technical session on the topic "FFO&MO Part-II" was delivered by Mr. K.S. Chavda (Lecturer, Chemical Engineering Department) for his Fourth semester Chemical Engineering students on 29-04-2024.





# Training & Placement

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11   MOHAMMED OWAISH ABBASEHALAMEATIYA   CHEMICAL   GARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)     12   KRUPAL BHUPENDRABHAI GONDALIYA   CHEMICAL   RELLANCE INDUSTIES LIMITED, HAZIRA     13   NURULAIN MOINUDDIN SAIYED   CHEMICAL   RACADEWY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)     14   PATEL JAIVAL KIRITBHAI   CHEMICAL   UPL LIMITED, ANKLESHWAR     15   ANISHKUMAR RANJEET SINGH   CHEMICAL   SHAKTI DISTILLARY PVT LID, SACHIN     16   SAPOVADIYA SAMARTH RITESH   ELECTRICAL   HEAVEN DESIGNS PRIVATE LIMITED, SURAT     17   ZADAFIYA YUG MANISHIBHAI   ELECTRICAL   HEAVEN DESIGNS PRIVATE LIMITED, SURAT     18   KHICHADIYA MAITRI GHNSHYAMBHAI   ELECTRICAL   CACDEWY FOR SKILL DEVELOPMENT (ACCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)     19   CHAUHAN MIHIR VRAJLAL   ELECTRICAL   CEAT TYRE LIMITED, HALOL     20   PRAJAPATI VRUSHIK HASMUKHBHAI   ELECTRICAL   CEAT TYRE LIMITED, HALOL     21   SINGH PRATYUSH PRAKASH   ELECTRICAL   CEAT TYRE LIMITED, HALOL     22   SAVANI DHRUVIL HARESHBHAI   MECHANICAL   CAT TYRE LIMITED, HALOL     23   ANKURKUMAR CHANDRAWANSHI   MECHANICAL   LEAT TYRE LIMITED, HALOL	10	SWARNLATA NARAHARI PATRA	CHEMICAL	CEAT TYRE LIMITED, HALOL
13   NURULAIN MOINUDDIN SAIVED   CHEMICAL   ACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)     14   PATEL JAIVAL KIRITBHAI   CHEMICAL   UPL LIMITED, ANLESHWAR     15   ANISHKUMAR RANJEET SINGH   CHEMICAL   UPL LIMITED, ANLESHWAR     16   SAPOVADIYA SAMARTH RITESH   ELECTRICAL   SHAKTI DISTILLARY PVT LTD, SACHIN     17   ZADAFIYA YUG MANISHBHAI   ELECTRICAL   ACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)     18   KHICHADIYA MAITRI GHNSHYAMBHAI   ELECTRICAL   CADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)     19   CHAUHAN MIHIR VRAJLAL   ELECTRICAL   CEAT TYRE LIMITED, HALOL     21   SINGH PRATYUSH PRAKASH   ELECTRICAL   CEAT TYRE LIMITED, HALOL     22   SAVANI DHRUVIL HARESHBHAI   MECHANICAL   CATA PASSENGER ELECTRIC MOBOLITY LIMITED, SANAND     23   ANKURKUMAR CHANDRAWANSHI   MECHANICAL   LAT HEAVY ENGINEERING, HAZIRA     24   BHAYANI MANAN RAJUBHAI   MECHANICAL   CATA PASSENGER ELECTRIC MOBOLITY LIMITED, SANAND     25   BHINSARA KRISH RAJESH   MECHANICAL   LAT HEAVY ENGINEERING, HAZIRA     26   FITWALA DHRUVIL KALPESH   MECHANICAL   SUFERHARD RESEARC	11	MOHAMMED OWAISH ABBASBHAI AMBALIYA	CHEMICAL	
13   NUROLAIN MOINUDDIN SATYED   CHEMICAL   ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)     14   PATEL JAIVAL KIRTIBHAI   CHEMICAL   UPL LIMITED, ANKLESHWAR     15   ANISHKUMAR RANJEET SINGH   CHEMICAL   SHAKTI DISTILLARY PVT LTD, SACHIN     16   SAPOVADIYA SAMARTH RITESH   ELECTRICAL   MEAVEN DESIGNS PRIVATE LIMITED, SURAT     17   ZADAFIYA YUG MANISHBHAI   ELECTRICAL   ACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)     18   KHICHADIYA MAITRI GHNSHYAMBHAI   ELECTRICAL   CEAT OF SKILL DEVELOPMENT (ACADEMY FOR SKILL DEVELOPMENT (ACADEMY FOR SKILL	12	KRUPAL BHUPENDRABHAI GONDALIYA	CHEMICAL	RELIANCE INDUSTRIES LIMITED, HAZIRA
15ANISHKUMAR RANJEET SINGHCHEMICALSHAKTI DISTILLARY PVT LTD, SACHIN16SAPOVADIYA SAMARTH RITESHELECTRICALHEAVEN DESIGNS PRIVATE LIMITED, SURAT17ZADAFIYA YUG MANISHBHAIELECTRICALREADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)18KHICHADIYA MAITRI GHNSHYAMBHAIELECTRICALCADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)19CHAUHAN MIHIR VRAJLALELECTRICALCEAT TYRE LIMITED, BALOL20PRAJAPATI VRUSHIK HASMUKHBHAIELECTRICALCEAT TYRE LIMITED, HALOL21SINGH PRATYUSH PRAKASHELECTRICALCEAT TYRE LIMITED, HALOL22SAVANI DHRUVIL HARESHBHAIMECHANICALTATA PASSENGER ELECTRIC MOBOLITY LIMITED, SANAND23ANKURKUMAR CHANDRAWANSHIMECHANICALLAT HEAVEN DESIGNS PRIVATE LIMITED, SURAT24BHAYANI MANAN RAJUBHAIMECHANICALCEAT TYRE LIMITED, HALOL25BHINSARA KRISH RAJESHMECHANICALCEAT TYRE LIMITED, HALOL26FITWALA DHRUVIL KALPESHMECHANICALSUBERHARD RESEARCH CENRE PRIVATE LIMITED, SURAT27FITWALA DHRUVIL KALPESHMECHANICALSUBERHARD RESEARCH CENRE PRIVATE LIMITED, SURAT28FITWALA DHRUVIL KALPESHMECHANICALARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)30GODHANI DEEP BHUPATBHAIMECHANICALARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)31KHALASI KUSHANKUMAR KALPESHBHAIMECHANICALARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)32LUHAR BHASKAR KISHOR BHAIMECHANICALARC	13	NURULAIN MOINUDDIN SAIYED	CHEMICAL	
16   SAPOVADIYA SAMARTH RITESH   ELECTRICAL   HEAVEN DESIGNS PRIVATE LIMITED, SURAT     17   ZADAFIYA YUG MANISHBHAI   ELECTRICAL   ACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)     18   KHICHADIYA MAITRI GHNSHYAMBHAI   ELECTRICAL   ACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)     19   CHAUHAN MIHIR VRAJLAL   ELECTRICAL   CEAT TYRE LIMITED, BALOL     20   PRAJAPATI VRUSHIK HASMUKHBHAI   ELECTRICAL   CEAT TYRE LIMITED, HALOL     21   SINGH PRATYUSH PRAKASH   ELECTRICAL   CEAT TYRE LIMITED, HALOL     22   SAVANI DHRUVIL HARESHBHAI   MECHANICAL   CEAT TYRE LIMITED, HALOL     23   ANKURKUMAR CHANDRAWANSHI   MECHANICAL   LEAT TYRE LIMITED, HALOL     24   BHAYANI MANAN RAJUBHAI   MECHANICAL   CEAT TYRE LIMITED, HALOL     25   BHINSARA KRISH RAJESH   MECHANICAL   CEAT TYRE LIMITED, HALOL     26   FITWALA DHRUVIL KALPESH   MECHANICAL   CEAT TYRE LIMITED, HALOL     27   FITWALA DHRUVIL KALPESH   MECHANICAL   SUPERHARD RESEARCH CENRE PRIVATE LIMITED, SURAT     28   FITWALA DHRUVIL KALPESH   MECHANICAL   SUPERHARD RESEARCH CENRE PRIVATE LIMITED, SANAND <td< td=""><td>14</td><td>PATEL JAIVAL KIRITBHAI</td><td>CHEMICAL</td><td>UPL LIMITED, ANKLESHWAR</td></td<>	14	PATEL JAIVAL KIRITBHAI	CHEMICAL	UPL LIMITED, ANKLESHWAR
17ZADAFIYA YUG MANISHBHAIELECTRICALACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)18KHICHADIYA MAITRI GHNSHYAMBHAIELECTRICALACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)19CHAUHAN MIHIR VRAJLALELECTRICALSURAT20PRAJAPATI VRUSHIK HASMUKHBHAIELECTRICALCEAT TYRE LIMITED, HALOL21SINGH PRATYUSH PRAKASHELECTRICALCEAT TYRE LIMITED, HALOL22SAVANI DHRUVIL HARESHBHAIMECHANICALTATA PASSENGER ELECTRIC MOBOLITY LIMITED, SANAND23ANKURKUMAR CHANDRAWANSHIMECHANICALCEAT TYRE LIMITED, HALOL24BHAYANI MANAN RAJUBHAIMECHANICALCEAT TYRE LIMITED, HALOL25BHINSARA KRISH RAJESHMECHANICALCEAT TYRE LIMITED, HALOL26FITWALA DHRUVIL KALPESHMECHANICALELECTRIC MOBOLITY LIMITED, SURAT27FITWALA DHRUVIL KALPESHMECHANICALSUPERHARD RESEARCH CENRE PRIVATE LIMITED, SURAT28FITWALA DHRUVIL KALPESHMECHANICALSUPERHARD RESEARCH CENRE PRIVATE LIMITED, SANAND30GODHANI DEEP BHUPATBHAIMECHANICALSUPERHARD RESEARCH CENRE PRIVATE LIMITED, SANAND31KHALASI KUSHANKUMAR KALPESHBHAIMECHANICALACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)32LUHAR BHASKAR KISHOR BHAIMECHANICALACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)33PARMAR KARAN CHAMPALALMECHANICALACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA) <t< td=""><td>15</td><td>ANISHKUMAR RANJEET SINGH</td><td>CHEMICAL</td><td>SHAKTI DISTILLARY PVT LTD, SACHIN</td></t<>	15	ANISHKUMAR RANJEET SINGH	CHEMICAL	SHAKTI DISTILLARY PVT LTD, SACHIN
17   ZADAFIYA YUG MANISHBHAI   ELECTRICAL   (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)     18   KHICHADIYA MAITRI GHNSHYAMBHAI   ELECTRICAL   (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)     19   CHAUHAN MIHIR VRAJLAL   ELECTRICAL   DIAMTECH RESEARCH CENTRE PRIVATE LIMITED,     20   PRAJAPATI VRUSHIK HASMUKHBHAI   ELECTRICAL   CEAT TYRE LIMITED, HALOL     21   SINGH PRATYUSH PRAKASH   ELECTRICAL   CEAT TYRE LIMITED, HALOL     22   SAVANI DHRUVIL HARESHBHAI   MECHANICAL   CEAT TYRE LIMITED, HALOL     23   ANKURKUMAR CHANDRAWANSHI   MECHANICAL   CEAT TYRE LIMITED, HALOL     24   BHAYANI MANAN RAJUBHAI   MECHANICAL   CEAT TYRE LIMITED, HALOL     25   BHINSARA KRISH RAJESH   MECHANICAL   CEAT TYRE LIMITED, HALOL     26   FITWALA DHRUVIL KALPESH   MECHANICAL   CEAT TYRE LIMITED, HALOL     27   FITWALA DHRUVIL KALPESH   MECHANICAL   SUPERHARD RESEARCH CENRE PRIVATE LIMITED, SURAT     28   FITWALA DHRUVIL KALPESH   MECHANICAL   TATA PASSENGER ELECTRIC MOBOLITY LIMITED, SANAND     30   GODHANI DEEP BHUPATBHAI   MECHANICAL   TATA PASSENGER ELECTRIC MOBOLITY LIMITED, SANAND     31   KHALASI KUSHANK	16	SAPOVADIYA SAMARTH RITESH	ELECTRICAL	HEAVEN DESIGNS PRIVATE LIMITED, SURAT
18   KHICHADIYA MAIIRI GHNSHYAMBHAI   ELECTRICAL   (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)     19   CHAUHAN MIHIR VRAJLAL   ELECTRICAL   ELECTRICAL   SURAT     20   PRAJAPATI VRUSHIK HASMUKHBHAI   ELECTRICAL   CEAT TYRE LIMITED, HALOL     21   SINGH PRATYUSH PRAKASH   ELECTRICAL   CEAT TYRE LIMITED, HALOL     22   SAVANI DHRUVIL HARESHBHAI   MECHANICAL   TATA PASSENGER ELECTRIC MOBOLITY LIMITED, SANAND     23   ANKURKUMAR CHANDRAWANSHI   MECHANICAL   L&T HEAVY ENGINEERING, HAZIRA     24   BHAYANI MANAN RAJUBHAI   MECHANICAL   CEAT TYRE LIMITED, HALOL     25   BHINSARA KRISH RAJESH   MECHANICAL   CEAT TYRE LIMITED, HALOL     26   FITWALA DHRUVIL KALPESH   MECHANICAL   CEAT TYRE LIMITED, HALOL     27   FITWALA DHRUVIL KALPESH   MECHANICAL   SUPERHARD RESEARCH CENRE PRIVATE LIMITED, SURAT     28   FITWALA DHRUVIL KALPESH   MECHANICAL   SUPERHARD RESEARCH CENRE PRIVATE LIMITED, SANAND     29   GANDHI SUJAL HITESH   MECHANICAL   ATAT PASSENGER ELECTRIC MOBOLITY LIMITED, SANAND     30   GODHANI DEEP BHUPATBHAI   MECHANICAL   ACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA) <tr< td=""><td>17</td><td>ZADAFIYA YUG MANISHBHAI</td><td>ELECTRICAL</td><td>(ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)</td></tr<>	17	ZADAFIYA YUG MANISHBHAI	ELECTRICAL	(ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)
19   CHAUHAN MIHR VRAJLAL   ELECTRICAL   SURAT     20   PRAJAPATI VRUSHIK HASMUKHBHAI   ELECTRICAL   CEAT TYRE LIMITED, HALOL     21   SINGH PRATYUSH PRAKASH   ELECTRICAL   CEAT TYRE LIMITED, HALOL     22   SAVANI DHRUVIL HARESHBHAI   MECHANICAL   TATA PASSENGER ELECTRIC MOBOLITY LIMITED, SANAND     23   ANKURKUMAR CHANDRAWANSHI   MECHANICAL   L&T HEAVY ENGINEERING, HAZIRA     24   BHAYANI MANAN RAJUBHAI   MECHANICAL   CEAT TYRE LIMITED, HALOL     25   BHINSARA KRISH RAJESH   MECHANICAL   CEAT TYRE LIMITED, HALOL     26   FITWALA DHRUVIL KALPESH   MECHANICAL   SUPERHARD RESEARCH CENRE PRIVATE LIMITED, SURAT     27   FITWALA DHRUVIL KALPESH   MECHANICAL   SUPERHARD RESEARCH CENRE PRIVATE LIMITED, SURAT     28   FITWALA DHRUVIL KALPESH   MECHANICAL   SUPERHARD RESEARCH CENRE PRIVATE LIMITED, SANAND     29   GANDHI SUJAL HITESH   MECHANICAL   ACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)     30   GODHANI DEEP BHUPATBHAI   MECHANICAL   ACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)     31   KHALASI KUSHANKUMAR KALPESHBHAI   MECHANICAL   ACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTA	18	KHICHADIYA MAITRI GHNSHYAMBHAI	ELECTRICAL	(ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)
21SINGH PRATYUSH PRAKASHELECTRICALCEAT TYRE LIMITED, HALOL22SAVANI DHRUVIL HARESHBHAIMECHANICALTATA PASSENGER ELECTRIC MOBOLITY LIMITED, SANAND23ANKURKUMAR CHANDRAWANSHIMECHANICALL&T HEAVY ENGINEERING, HAZIRA24BHAYANI MANAN RAJUBHAIMECHANICALCEAT TYRE LIMITED, HALOL25BHINSARA KRISH RAJESHMECHANICALCEAT TYRE LIMITED, HALOL26FITWALA DHRUVIL KALPESHMECHANICALCEAT TYRE LIMITED, HALOL27FITWALA DHRUVIL KALPESHMECHANICALSUPERHARD RESEARCH CENRE PRIVATE LIMITED, SURAT28FITWALA DHRUVIL KALPESHMECHANICALTATA PASSENGER ELECTRIC MOBOLITY LIMITED, SURAT29GANDHI SUJAL HITESHMECHANICALTATA PASSENGER ELECTRIC MOBOLITY LIMITED, SANAND30GODHANI DEEP BHUPATBHAIMECHANICALACADEMY FOR SKILL DEVELOPMENT (ACCELOR MITTAL NIPPON STEEL INDIA, HAZIRA) ACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)31KHALASI KUSHANKUMAR KALPESHBHAIMECHANICALACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)33PARMAR KARAN CHAMPALALMECHANICALACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)34PARMAR KARAN CHAMPALALMECHANICALACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)34PARMAR KARAN CHAMPALALMECHANICALACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)34PARMAR KARAN CHAMPALALMECHANICALACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL N	19	CHAUHAN MIHIR VRAJLAL	ELECTRICAL	
22SAVANI DHRUVIL HARESHBHAIMECHANICALTATA PASSENGER ELECTRIC MOBOLITY LIMITED, SANAND23ANKURKUMAR CHANDRAWANSHIMECHANICALL&T HEAVY ENGINEERING, HAZIRA24BHAYANI MANAN RAJUBHAIMECHANICALCEAT TYRE LIMITED, HALOL25BHINSARA KRISH RAJESHMECHANICALHEAVEN DESIGNS PRIVATE LIMITED, SURAT26FITWALA DHRUVIL KALPESHMECHANICALCEAT TYRE LIMITED, HALOL27FITWALA DHRUVIL KALPESHMECHANICALSUPERHARD RESEARCH CENRE PRIVATE LIMITED, SURAT28FITWALA DHRUVIL KALPESHMECHANICALSUPERHARD RESEARCH CENRE PRIVATE LIMITED, SURAT29GANDHI SUJAL HITESHMECHANICALSANAND30GODHANI DEEP BHUPATBHAIMECHANICALACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)31KHALASI KUSHANKUMAR KALPESHBHAIMECHANICALARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)33PARMAR KARAN CHAMPALALMECHANICALACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)34PARMAR KARAN CHAMPALALMECHANICALACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)34PARMAR KARAN CHAMPALALMECHANICALACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)34PARMAR KARAN CHAMPALALMECHANICALARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)34PARMAR KARAN CHAMPALALMECHANICALARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)	20	PRAJAPATI VRUSHIK HASMUKHBHAI	ELECTRICAL	CEAT TYRE LIMITED, HALOL
22   SAVANI DHRUVIL HARESHBHAI   MECHANICAL   SANAND     23   ANKURKUMAR CHANDRAWANSHI   MECHANICAL   L&T HEAVY ENGINEERING, HAZIRA     24   BHAYANI MANAN RAJUBHAI   MECHANICAL   CEAT TYRE LIMITED, HALOL     25   BHINSARA KRISH RAJESH   MECHANICAL   CEAT TYRE LIMITED, HALOL     26   FITWALA DHRUVIL KALPESH   MECHANICAL   CEAT TYRE LIMITED, HALOL     27   FITWALA DHRUVIL KALPESH   MECHANICAL   SUPERHARD RESEARCH CENRE PRIVATE LIMITED, SURAT     28   FITWALA DHRUVIL KALPESH   MECHANICAL   SUPERHARD RESEARCH CENRE PRIVATE LIMITED, SURAT     29   GANDHI SUJAL HITESH   MECHANICAL   TATA PASSENGER ELECTRIC MOBOLITY LIMITED, SANAND     30   GODHANI DEEP BHUPATBHAI   MECHANICAL   ACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)     31   KHALASI KUSHANKUMAR KALPESHBHAI   MECHANICAL   ARCALOR MITTAL NIPPON STEEL INDIA, HAZIRA)     32   LUHAR BHASKAR KISHOR BHAI   MECHANICAL   ACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)     33   PARMAR KARAN CHAMPALAL   MECHANICAL   ACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)     34   PARMAR KARAN CHAMPALAL   MECHANICAL   AC	21	SINGH PRATYUSH PRAKASH	ELECTRICAL	CEAT TYRE LIMITED, HALOL
24BHAYANI MANAN RAJUBHAIMECHANICALCEAT TYRE LIMITED, HALOL25BHINSARA KRISH RAJESHMECHANICALHEAVEN DESIGNS PRIVATE LIMITED, SURAT26FITWALA DHRUVIL KALPESHMECHANICALCEAT TYRE LIMITED, HALOL27FITWALA DHRUVIL KALPESHMECHANICALSUPERHARD RESEARCH CENRE PRIVATE LIMITED, SURAT28FITWALA DHRUVIL KALPESHMECHANICALSUPERHARD RESEARCH CENRE PRIVATE LIMITED, SURAT29GANDHI SUJAL HITESHMECHANICALTATA PASSENGER ELECTRIC MOBOLITY LIMITED, SANAND30GODHANI DEEP BHUPATBHAIMECHANICALACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)31KHALASI KUSHANKUMAR KALPESHBHAIMECHANICALACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL DESIGN & ENGINEERING CENTE (P) LIMITED, HAZIRA32LUHAR BHASKAR KISHOR BHAIMECHANICALACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)33PARMAR KARAN CHAMPALALMECHANICALACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)34PARMAR KARAN CHAMPALALMECHANICALARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)	22	SAVANI DHRUVIL HARESHBHAI	MECHANICAL	
25BHINSARA KRISH RAJESHMECHANICALHEAVEN DESIGNS PRIVATE LIMITED, SURAT26FITWALA DHRUVIL KALPESHMECHANICALCEAT TYRE LIMITED, HALOL27FITWALA DHRUVIL KALPESHMECHANICALSUPERHARD RESEARCH CENRE PRIVATE LIMITED, SURAT28FITWALA DHRUVIL KALPESHMECHANICALSUPERHARD RESEARCH CENRE PRIVATE LIMITED, SURAT29GANDHI SUJAL HITESHMECHANICALTATA PASSENGER ELECTRIC MOBOLITY LIMITED, SANAND30GODHANI DEEP BHUPATBHAIMECHANICALACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL DESIGN & ENGINEERING CENTE (P) LIMITED, HAZIRA31KHALASI KUSHANKUMAR KALPESHBHAIMECHANICALARCELORMITTAL DESIGN & ENGINEERING CENTE (P) LIMITED, HAZIRA33PARMAR KARAN CHAMPALALMECHANICALACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)34PARMAR KARAN CHAMPALALMECHANICALARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA) (ARCELOR MITTAL DESIGN & ENGINEERING CENTE (P) LIMITED, HAZIRA	23	ANKURKUMAR CHANDRAWANSHI	MECHANICAL	L&T HEAVY ENGINEERING, HAZIRA
26FITWALA DHRUVIL KALPESHMECHANICALCEAT TYRE LIMITED, HALOL27FITWALA DHRUVIL KALPESHMECHANICALSUPERHARD RESEARCH CENRE PRIVATE LIMITED, SURAT28FITWALA DHRUVIL KALPESHMECHANICALTATA PASSENGER ELECTRIC MOBOLITY LIMITED, SANAND29GANDHI SUJAL HITESHMECHANICALTATA PASSENGER ELECTRIC MOBOLITY LIMITED, SANAND30GODHANI DEEP BHUPATBHAIMECHANICALACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)31KHALASI KUSHANKUMAR KALPESHBHAIMECHANICALARCELORMITTAL DESIGN & ENGINEERING CENTE (P) LIMITED, HAZIRA32LUHAR BHASKAR KISHOR BHAIMECHANICALACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)33PARMAR KARAN CHAMPALALMECHANICALACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)34PARMAR KARAN CHAMPALALMECHANICALARCELORMITTAL DESIGN & ENGINEERING CENTE (P) LIMITED, HAZIRA	24	BHAYANI MANAN RAJUBHAI	MECHANICAL	CEAT TYRE LIMITED, HALOL
27FITWALA DHRUVIL KALPESHMECHANICALSUPERHARD RESEARCH CENRE PRIVATE LIMITED, SURAT28FITWALA DHRUVIL KALPESHMECHANICALTATA PASSENGER ELECTRIC MOBOLITY LIMITED, SANAND29GANDHI SUJAL HITESHMECHANICALTATA PASSENGER ELECTRIC MOBOLITY LIMITED, SANAND30GODHANI DEEP BHUPATBHAIMECHANICALTATA PASSENGER ELECTRIC MOBOLITY LIMITED, SANAND31KHALASI KUSHANKUMAR KALPESHBHAIMECHANICALACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)32LUHAR BHASKAR KISHOR BHAIMECHANICALACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)33PARMAR KARAN CHAMPALALMECHANICALACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)34PARMAR KARAN CHAMPALALMECHANICALARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA) ARCELOR MITTAL DESIGN & ENGINEERING CENTER (P) LIMITED, HAZIRA	25	BHINSARA KRISH RAJESH	MECHANICAL	HEAVEN DESIGNS PRIVATE LIMITED, SURAT
27FITWALA DHRUVIL KALPESHMECHANICALSURAT28FITWALA DHRUVIL KALPESHMECHANICALTATA PASSENGER ELECTRIC MOBOLITY LIMITED, SANAND29GANDHI SUJAL HITESHMECHANICALTATA PASSENGER ELECTRIC MOBOLITY LIMITED, SANAND30GODHANI DEEP BHUPATBHAIMECHANICALACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)31KHALASI KUSHANKUMAR KALPESHBHAIMECHANICALARCELORMITTAL DESIGN & ENGINEERING CENTEL (P) LIMITED, HAZIRA32LUHAR BHASKAR KISHOR BHAIMECHANICALACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)33PARMAR KARAN CHAMPALALMECHANICALACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)34PARMAR KARAN CHAMPALALMECHANICALARCELORMITTAL DESIGN & ENGINEERING CENTEL (P) LIMITED, HAZIRA	26	FITWALA DHRUVIL KALPESH	MECHANICAL	, ,
28FIT WALA DHRUVIL KALPESHMECHANICALSANAND29GANDHI SUJAL HITESHMECHANICALTATA PASSENGER ELECTRIC MOBOLITY LIMITED, SANAND30GODHANI DEEP BHUPATBHAIMECHANICALACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)31KHALASI KUSHANKUMAR KALPESHBHAIMECHANICALARCELORMITTAL DESIGN & ENGINEERING CENTEL (P) LIMITED, HAZIRA32LUHAR BHASKAR KISHOR BHAIMECHANICALACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)33PARMAR KARAN CHAMPALALMECHANICALACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)34PARMAR KARAN CHAMPALALMECHANICALACCLOR MITTAL NIPPON STEEL INDIA, HAZIRA) (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)	27	FITWALA DHRUVIL KALPESH	MECHANICAL	SURAT
29   GANDHI SUJAL HITESH   MECHANICAL   SANAND     30   GODHANI DEEP BHUPATBHAI   MECHANICAL   ACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)     31   KHALASI KUSHANKUMAR KALPESHBHAI   MECHANICAL   ARCELORMITTAL DESIGN & ENGINEERING CENTER (P) LIMITED, HAZIRA     32   LUHAR BHASKAR KISHOR BHAI   MECHANICAL   ACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)     33   PARMAR KARAN CHAMPALAL   MECHANICAL   ACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)     34   PARMAR KARAN CHAMPALAL   MECHANICAL   ARCELORMITTAL DESIGN & ENGINEERING CENTER (P) LIMITED, HAZIRA	28	FITWALA DHRUVIL KALPESH	MECHANICAL	SANAND
30   GODHANI DEEP BHUPATBHAI   MECHANICAL   (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)     31   KHALASI KUSHANKUMAR KALPESHBHAI   MECHANICAL   ARCELORMITTAL DESIGN & ENGINEERING CENTER     32   LUHAR BHASKAR KISHOR BHAI   MECHANICAL   ACADEMY FOR SKILL DEVELOPMENT     33   PARMAR KARAN CHAMPALAL   MECHANICAL   ACADEMY FOR SKILL DEVELOPMENT     34   PARMAR KARAN CHAMPALAL   MECHANICAL   ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)     34   PARMAR KARAN CHAMPALAL   MECHANICAL   ARCELORMITTAL DESIGN & ENGINEERING CENTER	29	GANDHI SUJAL HITESH	MECHANICAL	SANAND
31   KHALASI KUSHANKUMAR KALPESHBHAI   MECHANICAL   (P) LIMITED, HAZIRA     32   LUHAR BHASKAR KISHOR BHAI   MECHANICAL   ACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)     33   PARMAR KARAN CHAMPALAL   MECHANICAL   ACADEMY FOR SKILL DEVELOPMENT (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)     34   PARMAR KARAN CHAMPALAL   MECHANICAL   ARCELOR MITTAL DESIGN & ENGINEERING CENTEL (P) LIMITED, HAZIRA	30	GODHANI DEEP BHUPATBHAI	MECHANICAL	(ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)
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33 PARMAR KARAN CHAMPALAL MECHANICAL (ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)   34 PARMAR KARAN CHAMPALAL MECHANICAL ARCELOR MITTAL DESIGN & ENGINEERING CENTEL   34 PARMAR KARAN CHAMPALAL MECHANICAL (P) LIMITED, HAZIRA	32	LUHAR BHASKAR KISHOR BHAI	MECHANICAL	(ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)
34 PARMAR KARAN CHAMPALAL MECHANICAL ARCELORMITTAL DESIGN & ENGINEERING CENTER   (P) LIMITED, HAZIRA Image: Control of the second s	33	PARMAR KARAN CHAMPALAL	MECHANICAL	(ARCELOR MITTAL NIPPON STEEL INDIA, HAZIRA)
35 PAWAR NIMESH LAXMANBHAI MECHANICAL CEAT TYRE LIMITED, HALOL	34	PARMAR KARAN CHAMPALAL	MECHANICAL	ARCELORMITTAL DESIGN & ENGINEERING CENTER (P) LIMITED, HAZIRA
	35	PAWAR NIMESH LAXMANBHAI	MECHANICAL	CEAT TYRE LIMITED, HALOL





3D printing or additive manufacturing is the construction of a three-dimensional object from a CAD model or a digital 3D model. It can be done in a variety of processes in which material is deposited, joined or solidified under computer control, with the material being added together (such as plastics, liquids or powder grains being fused), typically layer by layer.

Bugatti is the technological leader in the field of metal 3D printing. Bugatti Chiron, the hyper sports car has been fitted with the industry's first series-produced metal 3D-printed functional component: a small, water-carrying high-pressure pump. The world's largest 3D-printed titanium component, a titanium brake calliper, and hybrid functional assembly made of the 3D-printed titanium and coiled carbon made by Bugatti.

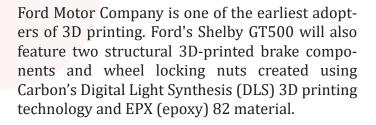




Porsche has recently introduced a new concept for sports car seating that leverages 3D printing and lattice design. The new seats feature polyurethane 3D-printed central seat and backrest cushion sections, which can be customised by three firmness levels: hard, medium and soft. Apart from seat, they are also manufacturing the engine piston using 3D printing technology.

Rolls Royce has recently showcased the capabilities of 3D printing for brackets. The company showed off the large batch of DfAM-optimised and 3D-printed automotive metal parts, many of which look to be brackets.





Local Motors unveiled Olli, a 3D-printed, autonomous electric shuttle designed for local, low-speed transportation. The shuttle has been designed primarily for use in urban centres in cities, business and university campuses and hospitals.







In partnership with Stratasys and Japanese manufacturer Daihatsu's customers can design and order custom 3D-printed panels for their front and rear bumpers, with a choice of more than 15 base patterns in 10 different colours.

Swiss manufacturer Alfa Romeo Sauber F1 Team is reported to have used a 60% scale model of a Formula 1 race car, with many of its components 3D printed with SLS and SLA technologies.





Volkswagen, which has been using 3D printing in-house for a number of years, has began to pilot Ultimaker's desktop 3D printers to produce tooling equipment. Since the success of the pilot, Volkswagen has switched its tooling production almost entirely to 3D printing. Volkswagen Motorsport, which used 3D printing for the development of its electric I.D. R Pikes Peak race car. Having only eight months to develop the car.

#### Advantages

- 1. Easy to create highly customized and personalized products.
- 2. Complex geometry can easily manufactured without increasing the production cost.
- 3. Material wastage reduced.
- 4. Suited for low volume production.
- 5. Creates custome tooling and jigs for various manufacturing processes.
- 6. Fast design and production.
- 7. Strong and light weight parts.
- 8. Reduced production cost.

#### Mr. V.R. Sabhaya

I.C. H.O.D. Automobile Engineering

