

**DEPARTMENT FINAL YEAR PROJECTS (1199)**

<b>Sr. No</b>	<b>Title of Project</b>	<b>Study/ Model</b>	<b>No of Students</b>	<b>Name of Guide</b>	<b>Achievements/Participation if any</b>	<b>PO,PSO Mapped</b>
<b>1</b>	<b>Fabrication of advance solar air cooler</b>	<b>Model</b>	<b>05</b>	<b>Mr. Nilesh Sonare</b>	<p>1. Research Paper published in <b>International Journal of Innovative Research in Technology (IJIRT)</b>, Volume 6, Issue 10, March 2020 having Title <b>Review on Advance Solar Air Cooler (Save Power, Water And Improve Cooling Effect)</b></p> <p>2. Consolation prize winner in National level project competition (<b>NIRMAN-2020</b>) conducted at K. D. K. college of engineering, Nagpur on dated 14/03/2020.</p> <p>3. Participated in State level project competition (<b>TECHNO SPARK</b>) conducted at NIT Polytechnic, Nagpur on dated 18/02/2020.</p> <p>4. Participated in National level online project presentation competition 2020 organized by Department of computer engineering, Government Polytechnic, Mumbai from May 11, 2020 to May 25, 2020.</p>	<b>PO1, PO2, PO3. PO4, PO5, PO6, PO7, PO8, PO9, PO10 PSO1, PSO2, PSO3</b>
<b>2</b>	<b>Fabrication of dual water pump using SCOTCH YOKE mechanism</b>	<b>Model</b>	<b>05</b>	<b>Mr. Vaibhav Titarmare</b>	<p>1. Research Paper published in <b>International Journal of Innovative Research in Technology (IJIRT)</b>, Volume 6, Issue 10, March 2020 having Title <b>Fabrication of dual water pump system</b></p>	<b>PO1, PO2, PO3. PO4, PO5, PO6,</b>

					<p><b>using SCOTCH YOKE mechanism.</b></p> <p>2. Participated in National level presentation competition (<b>MINDFEST</b>) held at S. B. Jain institute of technology, management and research, Nagpur on 27/01/2020.</p> <p>3. Participated in State level project competition (<b>TECHNO SPARK</b>) conducted at NIT Polytechnic, Nagpur on dated 18/02/2020.</p> <p>4. Participated in National level online project presentation competition 2020 organized by Department of computer engineering, Government Polytechnic, Mumbai from May 11, 2020 to May 25, 2020.</p>	<p><b>PO7, PO8, PO9, PO10</b></p> <p><b>PSO1, PSO2, PSO3</b></p>
<b>3</b>	<b>Fabrication of sewer manhole cleaning machine</b>	<b>Model</b>	<b>05</b>	<b>Mr. Vaibhav Titarmare</b>	<p>1. Research Paper published in <b>International Journal of Innovative Research in Technology (IJIRT), Volume 6, Issue 10, March 2020</b> having Title <b>Fabrication of manhole cleaning machine.</b></p> <p>2. Secured 3<sup>rd</sup> Position in National level project competition (<b>VORTECHX 3.0</b>) organized by Department of Mechanical Engineering, Shri Ramdeobaba College of engineering and management, Nagpur on 02/03/2020.</p> <p>3. Participated in National level project competition organized by RAMAN SCIENCE</p>	<p><b>PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10</b></p> <p><b>PSO1, PSO2, PSO3</b></p>

					<p>CENTRE &amp; PLANETARIUM, NAGPUR on 13 FEB. 2020.</p> <p>4. Participate in State level project competition (<b>TECHNO SPARK</b>) conducted at NIT Polytechnic, Nagpur on dated 18/02/2020.</p> <p>5. Participated in National level online project presentation competition 2020 organized by Department of computer engineering, Government Polytechnic, Mumbai from May 11, 2020 to May 25, 2020.</p> <p>6. Participated in National level presentation competition (<b>MINDFEST</b>) held at S. B. Jain institute of technology, management and research, Nagpur on 27/01/2020.</p> <p>7. Winner in State level Paper Presentation competition (<b>TECHNO SPARK</b>) conducted at NIT Polytechnic, Nagpur on dated 18/02/2020.</p>	
<b>4</b>	<b>Fabrication of mechanized system for fitting ceiling fan semi automatically</b>	<b>Model</b>	<b>05</b>	<b>Mr. Mangesh Dharme</b>	<p>1. Participate in State level project competition (<b>TECHNO SPARK</b>) conducted at NIT Polytechnic, Nagpur on dated 18/02/2020.</p> <p>2. Participated in National level online project presentation competition 2020 organized by Department of computer engineering, Government Polytechnic, Mumbai from May 11, 2020 to May</p>	<b>PO1, PO2, PO3. PO4, PO5, PO6, PO7, PO8, PO9, PO10 PSO1, PSO2,</b>

					25, 2020.	<b>PSO3</b>
<b>5</b>	<b>Fabrication of hybrid bike using electric motor</b>	<b>Model</b>	<b>05</b>	<b>Mr. Ashish Umalkar</b>	<p>1. Research Paper published in <b>International Journal of Innovative Research in Technology (IJIRT)</b>, Volume 6, Issue 10, March 2020 having Title <b>Fabrication of hybrid bike using electric motor.</b></p> <p>2. Participated in National level presentation competition (<b>MINDFEST</b>) held at S. B. Jain institute of technology, management and research, Nagpur on 27/01/2020.</p> <p>3. Participated in State level project competition (<b>TECHNO SPARK</b>) conducted at NIT Polytechnic, Nagpur on dated 18/02/2020.</p> <p>4. Participated in National level online project presentation competition 2020 organized by Department of computer engineering, Government Polytechnic, Mumbai from May 11, 2020 to May 25, 2020.</p> <p>5. Participated in National level presentation competition (<b>Udbodhan</b>) held at Nagpur Institute of Technology on 25/09/2019.</p>	<b>PO1, PO2, PO3. PO4, PO5, PO6, PO7, PO8, PO9, PO10</b> <b>PSO1, PSO2, PSO3</b>
<b>6</b>	<b>Fabrication of mini tiller agriculture multipurpose</b>	<b>Model</b>	<b>05</b>	<b>Mr. Ashish Umalkar</b>	1. Research Paper published in <b>International Journal of Scientific Research in Engineering and Management (IJSREM)</b> , Volume 04, Issue	<b>PO1, PO2, PO3. PO4, PO5, PO6,</b>

					<p><b>03, Mar -2020</b> having Title <b>Fabrication of Mini Tiller and Multipurpose Agriculture Machine</b></p> <p>2. Winner in State level project competition (<b>TECHNO SPARK</b>) conducted at NIT Polytechnic, Nagpur on dated 18/02/2020.</p> <p>3. Participated in National level online project presentation competition 2020 organized by Department of computer engineering, Government Polytechnic, Mumbai from May 11, 2020 to May 25, 2020.</p>	<p><b>PO7, PO8, PO9, PO10</b></p> <p><b>PSO1, PSO2, PSO3</b></p>
7	Case study of single point cutting tool to increase tool life	Study	05	<p><b>Mrs. Amruta Mundale</b></p>	<p>1. Research Paper published in <i>International Journal for Scientific Research &amp;Development</i>, Vol. 8, Issue 1, 2020 having Title <b>Case Study of Single Point Cutting Tool to Increase Tool Life.</b></p> <p>2. Participate in State level project competition (<b>TECHNO SPARK</b>) conducted at NIT Polytechnic, Nagpur on dated 18/02/2020.</p> <p>3. Participated in National level online project presentation competition 2020 organized by Department of computer engineering, Government Polytechnic, Mumbai from May 11, 2020 to May 25, 2020.</p> <p>4. Participated in National level presentation competition (<b>MINDFEST</b>) held at S. B. Jain</p>	<p><b>PO1, PO2, PO3. PO4, PO5, PO6, PO7, PO8, PO9, PO10</b></p> <p><b>PSO1, PSO2, PSO3</b></p>

					institute of technology, management and research, Nagpur on 27/01/2020. 5. Participated in National level presentation competition ( <b>Udbodhan</b> ) held at Nagpur Institute of Technology on 25/09/2019.	
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**Title of Project: FABRICATION OF ADVANCE SOLAR AIR COOLER**

**Name of competition:** - National level project presentation conducted during department of institute of Electronic and telecommunications engineers.

**NIRMAN-2020**

Date: - 14/03/2020

**Organizer Institute:** - K. D. K. college of engineering, Nagpur.

**Achievement:** Consolation Prize

**Name of participants**

1. Shubham Sonkusare
2. Rohit Dehankar
3. Akhilesh Khubalkar
4. Shubham Taywade

**Guided By:** Mr. Nilesh Sonare



**Title of Project: FABRICATION OF SEWER MANHOLE CLEANING MACHINE**

**Name of competition:** - State Level Paper presentation Competition.

**TECHNO SPARK**

Date: - 18/02/2020

**Organizer Institute:** - NIT Polytechnic, Nagpur

**Achievement:** 1<sup>st</sup>Prize.

**Name of Participants:-**

- 1) Kunal Khushal Nimkar
- 2) Sudip Sanjay Pidkalwar
- 3) Sarvesh Sanjay Neware
- 4) Krunal Krishnaji Zade
- 5) Abhish Giradkar

**Guided By:** Mr. Vaibhav Titarmare



**Title of Project: FABRICATION OF SEWER MANHOLE CLEANING MACHINE**

**Name of competition:** - Project presentation conducted during a National Convention organized by Department of Mechanical Engineering.

**VORTECHX 3.0**

Date: - 02/03/2020

**Organizer Institute:** - . Shri Ramdeobaba College of Engineering and Management, Nagpur

**Achievement:** 3<sup>rd</sup> Prize.

**Name of Participants:-**

- 1) Kunal Khushal Nimkar
- 2) Sudip Sanjay Pidkalwar
- 3) Sarvesh Sanjay Neware
- 4) Krunal Krishnaji Zade
- 5) Abhish Giradkar

**Guided By:** Mr. Vaibhav Titarmare





**Title of Project: FABRICATION OF MINI TILLER AGRICULTURE MULTIPURPOSE**

**Name of competition:** - State Level Project Presentation Competition.

**TECHNO SPARK**

Date: - 18/02/2020

**Organizer Institute:** - NIT Polytechnic, Nagpur.

**Achievement:** 1<sup>st</sup>Prize.

**Name of Participants:-**

1. CHOURIWAR ROHIT DHANLAL
2. SOMKUWAR AKSHAY ASHOK
3. PATANKAR BHUSHAN KISHOR
4. SONKUSARE RITIK DEOCHAND
5. HEDAU JIVESH SHYAM

**Guided By:** Mr. Ashish Umarmar



**DEPARTMENT FINAL YEAR PROJECTS (1640)**

<b>Sr. No</b>	<b>Title of Project</b>	<b>Study/ Model</b>	<b>No of Students</b>	<b>Name of Guide</b>	<b>Achievements/Participation if any</b>	<b>PO,PSO Mapped</b>
<b>1</b>	<b>Modification and fabrication of seam welding machine</b>	<b>Model</b>	<b>05</b>	<b>Mr. Ajay Wagh</b>	<p>1. Research Paper published in <b>International Journal of Innovative Research in Technology (IJIRT)</b>, Volume 6, Issue 10, March 2020 having Title <b>Modification and Fabrication of Seam Welding Machine</b>.</p> <p>2. Participate in State level project competition (<b>TECHNO SPARK</b>) conducted at NIT Polytechnic, Nagpur on dated 18/02/2020.</p> <p>3. Participated in National level online project presentation competition 2020 organized by Department of computer engineering, Government Polytechnic, Mumbai from May 11, 2020 to May 25, 2020.</p> <p>4. Participated in Inter college level presentation competition (<b>TECHNO – GEN 2K19</b>) held at Suryodaya Polytechnic on 28/09/2019.</p>	<b>PO1, PO2, PO3. PO4, PO5, PO6, PO7, PO8, PO9, PO10 PSO1, PSO2, PSO3</b>
<b>2</b>	<b>Paper recycling and paper plate forming machine</b>	<b>Model</b>	<b>06</b>	<b>Mr. Rajkumar Wadbudhe</b>	<p>1. Research Paper published in <b>International Journal of Innovative Research in Technology (IJIRT)</b>, Volume 6, Issue 10, March 2020 having Title <b>Paper Recycling and Paper Plate Forming Machine</b>.</p>	<b>PO1, PO2, PO3. PO4, PO5, PO6, PO7, PO8,</b>

					<p>2. Participated in State level project competition (<b>TECHNO SPARK</b>) conducted at NIT Polytechnic, Nagpur on dated 18/02/2020.</p> <p>3. Participated in National level online project presentation competition 2020 organized by Department of computer engineering, Government Polytechnic, Mumbai from May 11, 2020 to May 25, 2020.</p>	<p><b>PO9, PO10</b> <b>PSO1, PSO2, PSO3</b></p>
3	Development of agriculture and plastic waste composite slab forming machine	Model	05	Mr. Ritesh Harode	<p>1. Won 2<sup>nd</sup> Rank in <b>DIPEX2020</b> State level project exhibition cum competition held at Sangmeshwar College Ground, Solapur from 06/03/2020 to 09/03/2020.</p> <p>2. Research Paper published in <b>International Journal of Advanced Research in Science &amp; Technology (IJARST)</b>, Volume 5, Issue 5, May 2020 having Title <b>Development of Waste Plastic and Agriculture Waste Composite Slab Forming Machine.</b></p> <p>3. Participated in State level project competition (<b>TECHNO SPARK</b>) conducted at NIT Polytechnic, Nagpur on dated 18/02/2020.</p> <p>4. Participated in National level online project presentation competition 2020 organized by Department of computer engineering, Government</p>	<p><b>PO1, PO2, PO3. PO4, PO5, PO6, PO7, PO8, PO9, PO10</b> <b>PSO1, PSO2, PSO3</b></p>

					Polytechnic, Mumbai from May 11, 2020 to May 25, 2020.	
4	Fabrication of wall painting machine	Model	06	Mr. Prashant Rahate	<p>1. Research Paper published in <b>International Journal of Innovative Research in Technology (IJIRT)</b>, Volume 6, Issue 10, March 2020 having Title <b>Man Free Wall Painting Robot</b>.</p> <p>2. Participate in State level project competition (<b>TECHNO SPARK</b>) conducted at NIT Polytechnic, Nagpur on dated 18/02/2020.</p> <p>3. Participated in National level online project presentation competition 2020 organized by Department of computer engineering, Government Polytechnic, Mumbai from May 11, 2020 to May 25, 2020.</p>	<b>PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10</b> <b>PSO1, PSO2, PSO3</b>
5	Fabrication of multipurpose agriculture machine	Model	06	Mr. Samish M. Fale	<p>1. Research Paper published in <b>International Journal of Innovative Research in Technology (IJIRT)</b>, Volume 6, Issue 11, April 2020 having Title <b>Fabrication Of Multipurpose Agriculture Machine</b>.</p> <p>2. 1<sup>st</sup> prize winner in National level project competition (<b>NIRMAN-2020</b>) conducted at K. D. K. college of engineering, Nagpur on dated 14/03/2020.</p> <p>3. Participated in National level project</p>	<b>PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10</b> <b>PSO1, PSO2, PSO3</b>

				<p>competition organized by RAMAN SCIENCE CENTRE &amp; PLANETARIUM, NAGPUR on 13 FEB. 2020.</p> <p>4. Participated in State level project competition (<b>TECHNO SPARK</b>) conducted at NIT Polytechnic, Nagpur on dated 18/02/2020.</p> <p>5. Participated in National level online project presentation competition 2020 organized by Department of computer engineering, Government Polytechnic, Mumbai from May 11, 2020 to May 25, 2020.</p> <p>6. Participated in State level Paper Presentation competition (<b>TECHNO SPARK</b>) conducted at NIT Polytechnic, Nagpur on dated 18/02/2020.</p> <p>7. Participated in National level presentation competition (<b>Udbodhan</b>) held at Nagpur Institute of Technology on 25/09/2019.</p>	
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**Title of Project: DEVELOPMENT OF AGRICULTURE AND PLASTIC WASTE COMPOSITE SLAB FORMING MACHINE.**

**Name of competition:** - State level project exhibition cum competition.

**DIPEX2020**

Date: - 06/03/2020 to 09/03/2020

**Organizer Institute:** - Sangmeshwar College Ground, Sholapur.

**Achievement:** 2<sup>nd</sup>Prize.

**Name of Participants:-**

1. Devid V. Sawarkar
2. Kapil Chapariya
3. Aman Thakur
4. Liladhar Raut
5. Prafulla Raut

**Guided By:** Mr. Ritesh Harode





**Title of Project: FABRICATION OF MULTIPURPOSE AGRICULTURE MACHINE**

**Name of competition:** - National level project presentation conducted during department of institute of Electronic and telecommunications engineers.

**NIRMAN-2020**

Date: - 14/03/2020

**Organizer Institute:** - K. D. K. college of engineering, Nagpur.

**Achievement:** 1<sup>st</sup>Prize.

**Name of participants**

1. Rahul Maske
2. Ganesh Kawde
3. Omkar Mowade
4. Chandrashekhar Murkhe
5. Saurabh Raut
6. Ajay Charpe

**Guided By:** Mr. Samish M. Fale

