

1. A process for making metal matrix composites (MMC) and a wear resistant part having MMC, **Patent No. 394532, Date of Grant: 08-04-2022**; Application No. 2847/DEL/2013, Dated 26-09-2013.**Patentee: Guru Nanak Dev Engineering College, Ludhiana.**
2. Hybridization process for making metal matrix composites (MMC) and a wear resistant part having MMC, **Patent No. 445480, Date of Grant: 28-08-2023**; Application No. 2848/DEL/2013, Dated 26-09-2013.**Patentee: Guru Nanak Dev Engineering College, Ludhiana.**
3. A process for casting an article of molten metal, **patent No. 448756, Date of Grant: 27-12-2023**; Application No. 2474/DEL/2015, Dated 11-08-2015.**Patentee: Guru Nanak Dev Engineering College, Ludhiana.**
4. A process for casting an article of molten metal, **patent No. 449356, Date of Grant: 04-09-2023**; Application No. 2475/DEL/2015, Dated 11-08-2015.**Patentee: Guru Nanak Dev Engineering College, Ludhiana.**
5. Modified ultrasonic machining process, **Patent No. 490225, Date of Grant: 31-08-2023**; Application No: 202011001505 dated January 13, 2020.**Patentee: Guru Nanak Dev Engineering College, Ludhiana. Name of inventor: Singh Rupinder**
6. Cryogenic Treatment of Brass Wire for Improved Machining Characteristics, **Patent No. 309461 Date of Grant: 19-03-2019; Application No: 2177/DEL/2009** dated: 21/10/2009, **Patentee: Guru Nanak Dev Engg. College.**
7. Automatic stamping device, **Patent No. 494393 dated:04-01-2024**, Application No: 202111019472 ,Date of Filing : 28/04/2021, **Patentee : Guru Nanak Dev Engineering College, Ludhiana**
8. High-temperature oxidation and erosion resistant alloy-718/ al₂o₃ composite coatings, **Patent No. 459333, Date of grant:16-10-2023**, Application No. 201911019323 dated: 15-05-2019, **Patentee: 1.Dr. Hitesh Vasudev 2.Dr. Lalit Thakur 3.Dr. Harmeet Singh 4.Dr. Amit Bansal**
9. Internal Sewing Machine, **Patent No. 537875 dated:14-05-2024**, Application No: 202111019471,Date of Filing : 24/08/2021, **Patentee : Guru Nanak Dev Engineering College, Ludhiana**
10. U bolt Turning Machine, **Design Patent No.344857-001**, 17-06-2021, Patentee: **1.Guru Nanak Dev Engineering College Ludhiana 2. Jagmet Singh 3. Harkirat Singh Ryait 4. Dr. Harwinder Singh**
11. Jack Rod Turning Tool, Design Patent No.351598-001,20102021, Patentee: **1.Guru Nanak Dev Engineering College Ludhiana 2. Jagmet Singh 3. Dr. Amandeep Singh 4. Dr. Harwinder Singh**