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Approved by AICTE New Delhi, DTE (Govt. of Maharashtra) and affiliated to Dr. BATU, Lonere (Raigad). **DTE Code: 2533**

## Department of Electronics Engineering (VLSI Design & Technology)

### List of Patents

Sr. No	Details	Type (Utility/ Design / Copyrights)	Status (Published/ Examination/ Applied)
	<b>A. Y. 2024-25</b>		
1	“PHYSIQUEAI: Ai Powered Smart Physique Classifier System” Application No.: 202421055471 A Name of Inventor: Dr. Jitesh Shinde	Utility	Published
2	”Smart Agriculture SensorSystem For Monitoring And Optimizing Crop Growth” Application No. : 202421043026 Name of Inventor: Dr. Jitesh Shinde	Utility	Published
3	Lean AI: Sculpting Your Body with AI Weight Loss Management. Name of Inventor: 1) Prof. G. G. Patil, 2) Prof. P. R.Bhusari	Utility	Published
	<b>A. Y. 2023-24</b>		
1	Jitesh Shinde, “AI-Driven Wearable Device”, Design number : 6356165 Name of Inventor: Dr. Jitesh Shinde	Design	UK Patent , Granted
	<b>A. Y. 2022-23</b>		



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1	<p>“SMART SOLAR HYDROPONIC SYSTEM WITH PLANT TRACKING”</p> <p>Design Number : 383704-001</p> <p>Name of Inventor: Dr. Shrikant Jagdish Honade</p>	Design	Granted
2	<p>IOT BASED FACE MASK AND BODY TEMPERATURE SENSING DEVICE</p> <p>Design Number : 37116-001</p> <p>Name of Inventor: Dr. Jitesh Shinde</p>	Design	Granted
3	<p>“MOUSE WITH STRESS DETECTION”.</p> <p>Design No. : 384231-001</p> <p>Name of Inventor: Dr. Jitesh Shinde</p>	Design	Granted
<b>A.Y. 2020-21</b>			
1	<p>“DSD-PREDICT GENDER, AGE, COUNTRY AND MEANING: DETECT SOUND AND THEIR GENDER, AGE, COUNTRY AND MEANING USING DEEP LEARNING”,</p> <p>Application No. : 202041053285 A</p> <p>Name of Inventor: Dr. Jitesh Shinde</p>	Utility	Published
2	<p>“A SMART FLOOR USING A TWO-PHASED TRIANGULAR PIEZOELECTRIC ENERGY HARVESTER”</p> <p>Application No. : 202141003266 A</p> <p>Name of Inventor: Dr. Jitesh Shinde</p>	Utility	Published
<b>A.Y. 2017-18</b>			



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1	<p>“LOW POWER DESIGN OF ADAPTIVE FILTERS”</p> <p>Application No.: 201821017541</p> <p>Name of Inventor: Shrikant J. Honade</p>	Utility	Granted
	<b>A. Y. 2016-17</b>		
1	<p>“DIGITAL VIDEO SECURITY USING OPTIMIZED AND HYBRID BASED NOVEL WATERMARKING SYSTEM”</p> <p>Application No.: 201821017541</p> <p>Name of Inventor: Shrikant J. Honade</p>	Utility	Published