

## Saveetha Institute of Medical and Technical Sciences

### Scientific Research Achievements

	<b>New Products/processes/methods/techniques developed</b>	<b>Product/ Process/ Method/ Technique</b>
1	Buprenorphine and Amikacin drugs auto injector developed	Process
2	A modified method was developed for inducing Parkinson's disease using rotenone in mice and rats	Method
3	Derived an equation to estimate the time since death in asphyxia death using Odontological pattern changes in the Rat model which is a major finding in Forensic dentistry.	Method and Technique
4	"Savee Lab"- N95 quality mask-Design of transparent Face masks with filters against microbes and pathogens	Product
5	Face Hood with Filtration Efficiency-Development of light weight face hood- a combination of face shield and headgear with free visual field	Product
6	AVI's Periodontal flap holding forceps	Product
7	Modified face bow	Product
8	Burner design with integrated plates	Product
9	Dental Flask	Product
10	RVG Cone positioner	Product
11	Foot controlled water tap	Product
12	Saveetha Express Mobile Dental Clinic	Product

13	Dentistry Applications of Cumin Oil Mediated Silver Nanoparticles	Method and Product
14	Cinnamon oil mediated gold nanoparticles and its dental applications	Method and Product
15	Lemon juice mediated silver nanoparticles based chitosan nanocomposite	Method and Product
16	Madhuca Lonifolia SaponinSeed Extract Solution As Root Canal Irrigant	Process and Product
17	Clove And Cinnamon Extract Mediated Zinc Oxide Nanoparticles	Product
18	Antimicrobial Nano Formulation Of Hydroxyapatite With Vitamin-D	Process and Product
19	White tea mediated silver nanoparticles as intracanal irrigant	Process and Product
20	Hydroxyapatite Nanoparticles Infused Primary Root Filling Substance	Process and Product
21	GP reverse paste obturation technique in primary teeth	Technique
22	A Novel Parental Position in pediatric dentistry-Always by your side	Technique
23	Reusable PPE Jerkin	Product
24	Face shield with additional layer of protection against droplet	Product
25	PPE suit 60 GSM with 100% liquid proof	Product
26	Covid-19 Tele consultation Unit	Process
27	Fever clinic and admission desk exclusive for patients with covid symptoms	Process
28	Covid wards in the separate third and fourth floor of the hospital	Process
29	Separate lift for covid patients	Process

30	Follow up Clinic for Covid-19 Patients	Process
31	GP reverse paste obturation technique in primary teeth	Technique
32	Low level laser dosage prescription	Method
33	Custom made vaginal cones	Product
34	Custom made biofeedback enhanced flutter device	Product
35	Diagonal movement trainer	product
36	Master of Shopping	Process
37	Digital Diary	Method
38	ZANGO	Method
39	Help Line	Method
40	Microwave synthesis strontium substituted hydroxyapatite	Process
41	Multi OS Mobile Phone	Technique
42	A Novel Methodology Implemented In Modifying The Nozzle By Incorporating Multi Start Internal Thread To Achieve High Material Removal Rate In The Abrasive Jet Machining Process	Method
43	Design and Development of mono roue	Process
44	Design and Fabrication of metallurgy die	Process