



**AVIT**  
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



VINAYAKA MISSION'S  
RESEARCH FOUNDATION  
(Deemed to be University under section 3 of the UGC Act 1956)



Accredited by NAAC



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**CENTRE FOR NANOTECHNOLOGY RESEARCH  
DEPARTMENT OF HUMANITIES AND SCIENCE**

<b>S. No.:</b>	<b>Generic Name of Equipment</b>	<b>Model, Make &amp; year of purchase</b>	<b>Remarks including accessories available and current usage of equipment</b>
01	Atomic Force Microscope	Park XE7, 2019	Contact mode, non-contact mode and tapping mode
02	UV-Vis Spectrophotometer	UV-Vis 2600, (2019) Shimadzu make	facility of ISR-2600 plus integrating sphere
03	FTIR - IR Affinity	IR Affinity ATR	liquid and solid samples
04	Fume Hood	M/s Allied Scientific Products	Handling of chemicals
05	Water purification system	M/s Allied Scientific Products	Millipore water (resistivity of 18.2 MΩ.cm (at 25°C))
06	Centrifuge unit	M/s Allied Scientific Products	14000 rpm (for laboratory use)
07	Ultrasonic bath	M/s Allied Scientific Products	For laboratory use (20-40 kHz)
08	Sample homogenizer	M/s Allied Scientific Products	For regular laboratory use

09	Digital hot plates	M/s Allied Scientific Products	For regular laboratory use
10	Digital Balance	M/s Allied Scientific Products	For regular laboratory use
11	Resistive heating muffle furnace	M/s Allied Scientific Products Modified by M/s INDFUR, Chennai	RT - 1000°C
12	Spin Coating Unit	Deltaspin MIC M/s Delta Scientific Equipment Pvt Ltd.,	500 -10000 rpm
13	Fridge	M/s. SAMSUNG	Two compartment
14	INCUBATOR	For Bio culture	0 – 50°C
15	Optical microscope	Computer controlled	1000 x

*R. Woneelli*

**LAB INCHARGE**

*J. J. J. J.*

**HOD**