

RESEARCH INFRASTRUCTURE

RESOURCE COMPENDIUM



2024
July 3rd

**Office of
Research &
Innovation**

PLANT & EQUIPMENT'S AT RUAS

As On July 3rd 2024

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Preamble

The Office of Research and Innovation at Ramaiah University of Applied Sciences (RUAS) is committed to fostering a vibrant research culture across the university, empowering both students and faculty to pursue innovative and impactful research. In alignment with this vision, we have compiled a comprehensive list of plant, equipment, and resources available across the Gnana Gangotri and Peenya campuses, spanning various faculties and research centers. This compilation includes key contact persons and their details, ensuring seamless access to these facilities.

We encourage researchers to explore and utilize these resources to undertake research projects that contribute to societal advancement and the university's mission of creating a sustainable future through innovation.

Team

Office of Research & Innovation
 RUAS

Ramaiah Medical College

Personal In charge

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S. No	Name of Equipment	Department	Faculty	Details of Equipment	Location
1	Refrigerator	Central Research Lab	RMC	LG	CRL-Cytogenetics
2	Refrigerator	Central Research Lab	RMC	SAMSUNG	CRL-IHC
3	Refrigerator	Central Research Lab	RMC	BLUE STAR	CRL- Immunology
4	Digital Weighing Balance	Central Research Lab	RMC	M.R.C. BAA-600	CRL-IHC
5	Digital Weighing Balance	Central Research Lab	RMC	SHIMADZU	CRL-Cytogenetics
6	Incubator 37 Degree	Central Research Lab	RMC	JUBLEE	CRL-IHC
7	Ph Meter with electrode	Central Research Lab	RMC	SYSTRONICS	CRL-IHC
8	Micro Oven 21 Lts	Central Research Lab	RMC	LG	CRL-IHC
9	Slide warmer	Central Research Lab	RMC	NA	CRL-Cytogenetics
10	Binocular Microscope	Central Research Lab	RMC	LABOMED	CRL-Cytogenetics
11	Centrifuge	Central Research Lab	RMC	REMI R4C	CRL-Cytogenetics

S. No	Name of Equipment	Department	Faculty	Details of Equipment	Location
12	Hot Air Oven	Central Research Lab	RMC	M.R.C. LTD	CRL-Cytogenetics
13	Cyclo Mixer	Central Research Lab	RMC	REMI CM 101	CRL-Cytogenetics
14	Rotary Shaker	Central Research Lab	RMC	REMI RS 12	CRL-Electrophoresis
15	Laminar Flow	Central Research Lab	RMC	ALPHA LINEAR	CRL-Cytogenetics
16	Incubator 37 Degree	Central Research Lab	RMC	M.R.C.LTD	CRL-Cytogenetics
17	Inverted Microscope	Central Research Lab	RMC	OLYMPUS	CRL-Cytogenetics
18	Co2 Incubator 37 degree	Central Research Lab	RMC	NUAIRE	CRL-Cytogenetics
19	Vacuum Pump	Central Research Lab	RMC	MILLIPORE	CRL-Cytogenetics
20	Gel Electrophoresis, Gel Drayer with accessories	Central Research Lab	RMC	SEBIA K20/ MG300	CRL-Electrophoresis
21	Elisa Strip reader with Matrix CVT stabilizer	Central Research Lab	RMC	CPC STAT FAX	CRL- Immunology
22	Vortex shaker	Central Research Lab	RMC	TORSONS	CRL-Cytogenetics
23	Cyclo Mixer Desk top with printer	Central Research Lab	RMC	Seiba Minicap	CRL-Cytogenetics
24	Capillary Electrophoresis ,	Central Research Lab	RMC	Apollo	CRL-Electrophoresis

S. No	Name of Equipment	Department	Faculty	Details of Equipment	Location
25	Hot Air Oven	Central Research Lab	RMC	KEMI	CRL- Electrophoresis
26	Water Bath 18 Lts	Central Research Lab	RMC	NA	CRL- Cytogenetics/FISH
27	Semi Auto Analyser	Central Research Lab	RMC	TRANSASIA ERBA- CHEM -7	CRL-Cytogenetics
28	Scanner	Central Research Lab	RMC	EPSON V700 Photo	CRL- Immunology
29	Fluorescent, Light, Polarizer Microscope with camera, desktop, & printer	Central Research Lab	RMC	OLYMPUS CX41- EPSON L 455	CRL- Microscope room
30	Microscope with camera & desktop with software	Central Research Lab	RMC	OLYMPUS BX51	CRL-Cytogenetics (Microscope room)
31	Gamma Counter	Central Research Lab	RMC	IC 4702 A	CRL- Not in use
32	Magnetic stirrer	Central Research Lab	RMC	REMI	CRL- CRL- Cytogenetics
33	Single Gas Stove Burner with Gas cylinder	Central Research Lab	RMC	PRESTIGE	CRL-Cytogenetics
34	Cooker 25 Lts	Central Research Lab	RMC	PRESTIGE	CRL-Cytogenetics
35	DNA Extraction Qubit TM4	Central Research Lab	RMC	THERMOFISHER	CRL- Cytogenetics/FISH
36	Fully Motorized Upright Fluorescence microscope with camera, soft ware, FISH & Karyotyping	Central Research Lab	RMC	CARL ZEISS	CRL- Cytogenetics/FISH

S. No	Name of Equipment	Department	Faculty	Details of Equipment	Location
37	Hybridization system	Central Research Lab	RMC	META SYSTEMS	CRL- Cytogenetics/FISH
38	Hot Plate steel top	Central Research Lab	RMC	VASA scientific	CRL- Cytogenetics/FISH
39	Weighing Balance	Central Research Lab	RMC	Vasa Scientific	CRL-Cytogenetics
40	Multi Channel Pipettes 5-50ul	Central Research Lab	RMC	THERMO SCIENTIFIC	CRL- Immunology
41	Multi Chanel Pipettes 10-100ul	Central Research Lab	RMC	THERMO SCIENTIFIC	CRL- Immunology
42	Multi Chanel Pipettes 30-300ul	Central Research Lab	RMC	THERMO SCIENTIFIC	CRL- Immunology
43	Precision Micropipettes	Central Research Lab	RMC	THERMO SCIENTIFIC	CRL- Immunology
44	Co2 Incubator	Central Research Lab	RMC	GALAXY 170S	Instrument in CRL- Research lab
45	Laminar flow	Central Research Lab	RMC	ASPIRE	Instrument in CRL- Research lab
46	Inverted Microscope with Camera	Central Research Lab	RMC	MAGNUS	CRL-Cytogenetics
47	Bio safety cabinet	Central Research Lab	RMC	ALPHA LINEAR	Instrument in CRL- Research lab
48	Vacuum Pump	Central Research Lab	RMC	MILIPORE	Instrument in CRL- Research lab

BIOTECHNOLOGY

FACULTY of ALLIED HEALTH SCIENCES

Personal In charge

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S. No	Name of Equipment	Department	Faculty	Make and Model	Location
1	UV-VIS double beam Spectrophotometer	Biotechnology	FLAHS	Shimadzu	lab3
2	UV Transilluminator	Biotechnology	FLAHS	Himedia	Lab 1
3	Autoclave	Biotechnology	FLAHS	AIC	Lab 1
4	Horizontal Laminar air flow	Biotechnology	FLAHS	AIC	Lab 1
5	Laminar air Flow	Biotechnology	FLAHS	Bharath Scientific	lab2
6	Biosafety Cabinet Class II - Type A2	Biotechnology	FLAHS	ThermoFisher Scientific	Lab 1
7	Thermal Cycler	Biotechnology	FLAHS	Himedia	Lab 1
8	Microtitre Plate reader	Biotechnology	FLAHS	BioRad	Lab 1
9	Distillation Unit	Biotechnology	FLAHS	Borosil	lab2
10	CO2 incubator	Biotechnology	FLAHS	ThermoFisher Scientific	Lab 1
11	Bacteriological Incubator	Biotechnology	FLAHS	vasa	Lab 1
12	BOD incubator	Biotechnology	FLAHS	Biobee	Lab 1

S. No	Name of Equipment	Department	Faculty	Make and Model	Location
13	Shaker Incubator	Biotechnology	FLAHS	Shalom	lab2
14	Bacteriological Incubator	Biotechnology	FLAHS	vasa	lab2
15	Cryopreservation Unit	Biotechnology	FLAHS	ThermoFisher Scientific	Lab 1
16	Automated Cell Counter	Biotechnology	FLAHS	Countess, Thermo Fisher Scientific	Lab 1
17	Potentiometer	Biotechnology	FLAHS	Systronics	lab2
18	Conductivity meter	Biotechnology	FLAHS	Systronics	lab2
19	Inverted Phase Contrast Microscope	Biotechnology	FLAHS	ThermoFisher Scientific	Lab 1
20	Stereozoom Microscope	Biotechnology	FLAHS	Bharath Scientific	lab2
21	Florescent Microscope	Biotechnology	FLAHS	Zeiss	lab3
22	Plant growth chamber	Biotechnology	FLAHS	JJ Biotek	Lab 1
23	Soxhlet Apparatus	Biotechnology	FLAHS	vasa	lab2
24	Real time PCR	Biotechnology	FLAHS	Qiagen	lab3
25	Cryopreservation Unit	Biotechnology	FLAHS	ThermoFisher Scientific	lab3
26	Biospectrometer kinetic	Biotechnology	FLAHS	Eppendorf	lab3
27	Cell culture centrifuge	Biotechnology	FLAHS	Eppendorf	lab3
28	Cell culture centrifuge-R	Biotechnology	FLAHS	Eppendorf	lab3
29	Ice flaker	Biotechnology	FLAHS	Labman	lab3

S. No	Name of Equipment	Department	Faculty	Make and Model	Location
30	Chemi doc	Biotechnology	FLAHS	Syngene	lab3
31	Manual DNA sequencer-Mini-Gel Size	Biotechnology	FLAHS	Biobee	lab3
32	Liquid Nitrogen devar - 5L	Biotechnology	FLAHS	JJ biotek	lab3
33	Sonicator	Biotechnology	FLAHS	Global bioscience	lab3
34	Gradient PCR	Biotechnology	FLAHS	Triune	lab3
35	Reverse osmosis unit	Biotechnology	FLAHS	Crystal Bio	lab3
36	MilliQ system, connected to RO	Biotechnology	FLAHS	Thermo	lab3

FACUTLY of DENTAL SCIENCES

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S. No	Name of Equipment	Department	Faculty	Details of Equipment	Location	Contact person
1	Dental Lasers	Periodontology	FDS	IMDSL Dental Laser Unit	Dept of Periodontology, FDS	Dr. Bhavya B
2	Centrifuge Machine	Periodontology	FDS	REMI C8	Dept of Periodontology, FDS	Dr. Mahantesha
3	Ball milling with zirconia jar and balls	Prosthodontics and Crown & Bridge	FDS	Fritsch, Germany	Research room 3rd floor FDS	Dr. Sivaranjani
4	Platinum crucible	Prosthodontics and Crown & Bridge	FDS	Platinum crucible	Research room 3rd floor FDS	Dr. Sivaranjani
5	Intra Oral Scanner	Dept. of Orthodontics	FDS	TRIOS 3 - 3 Shapes	Digital Dentistry Clinic	Dr. Prashantha G S

S. No	Name of Equipment	Department	Faculty	Details of Equipment	Location	Contact person
		& Dentofacial Orthopedics				
6	3Shape Unite Software	Dept. of Orthodontics & Dentofacial Orthopedics	FDS	Software for Aligner treatment, Smile Design, Crown and Bridge planning & ImplantStudio	Digital Dentistry Clinic	Dr. Prashantha G S
7	3-D Printer FDM	Dept. of Orthodontics & Dentofacial Orthopedics	FDS	Elegoo - Saturn 12K	Digital Dentistry Clinic	Dr. Prashantha G S
8	Digital Tracing Software	Dept. of Orthodontics & Dentofacial Orthopedics	FDS	Dolphin Tracing Software	Digital Dentistry Clinic	Dr. Prashantha G S
9	CBCT Machine	Dept of OMDR	FDS	Carestream India	Dept of OMDR	Dr. Rakesh N
10	Olympus Trinocular Stereo Zoom Microscope Model-MSZ-Tr	Oral & Maxillofacial Pathology and Oral Microbiology	FDS	72000+18% GST= 84960	Reporting Room	Dr Sowmya SV
11	IHC Instruments and Reagents	Oral & Maxillofacial Pathology and Oral Microbiology	FDS	375000	Seminar Room	Dr Sowmya SV
12	Olympus Trinocular Research Microscope Model-BX53 with phase contrast, dark field, polarizer, bright field and digital imaging system with imaging software and multi	Oral & Maxillofacial Pathology and Oral Microbiology	FDS	1553490+18% GST=1833118.0	Reporting Room	Dr Sowmya SV

S. No	Name of Equipment	Department	Faculty	Details of Equipment	Location	Contact person
	head (Penta) System for BX53 Research Microscope					
13	Deep freezer	Conservative & Endodontics	FDS		Opath Dept	Dr. Shruthi
14	Centrifuge Machine	Conservative & Endodontics	FDS	REMI	Department	Dr. Shruthi
15	Electro cautery unit	Oral and Maxillofacial Surgery	FDS	Electro cautery unit 7 tips - Bohart make from international Dental system, DE-electro surgery diathermy (model -B 250 W BEST INDIAN make)	Department of OMFS	Dr. Kavitha Prasad
16	Surgical loops	Oral and Maxillofacial Surgery	FDS	DE-MAGNIFYING -surgical loops (carl zies)	Department of OMFS	Dr. Kavitha Prasad
17	Physiodispenser with micro motor	Oral and Maxillofacial Surgery	FDS	W&H Physiodispenser with micro motor (sl no. W&H 100900100)	Department of OMFS	Dr. Kavitha Prasad
18	Centrifuge system	Oral and Maxillofacial Surgery	FDS	Remi Centrifuge with 8 buckets	Department of OMFS	Dr. Kavitha Prasad
19	LED contra angle handpiece	Oral and Maxillofacial Surgery	FDS	LED contra angle handpiece (s no. 11074)	Department of OMFS	Dr. Kavitha Prasad
20	Laser unit	Oral and Maxillofacial Surgery	FDS	Firelas Gigalase Laser unit	Department of OMFS	Dr. Kavitha Prasad

S. No	Name of Equipment	Department	Faculty	Details of Equipment	Location	Contact person
21	Piezo Surgery unit	Oral and Maxillofacial Surgery	FDS	Piezo Surgery unit	Department of OMFS	Dr. Kavitha Prasad
22	Surgical handpiece	Oral and Maxillofacial Surgery	FDS	Surgical handpiece N S K	Department of OMFS	Dr. Kavitha Prasad
23	20-degree Angle surgical handpiece	Oral and Maxillofacial Surgery	FDS	Surgical handpiece N S K	Department of OMFS	Dr. Kavitha Prasad
24	Trinocular Optical microscope	Oral and Maxillofacial Surgery	FDS	ZEISS Primo star-Trinocular Optical microscope	Department of OMFS	Dr. Kavitha Prasad

FACUTLY of PHARMACY

Personal In charge

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S. No	Name of Equipment	Department	Faculty	Location
1	Kalweka R&D model – All-purpose equipment	Pharmaceutics	FPH	FPH
2	Freeze dryer	Pharmaceutics	FPH	FPH
3	Fluid bed Dryer	Pharmaceutics	FPH	FPH
4	Bulk density apparatus	Pharmaceutics	FPH	FPH
5	Stability Chamber	Pharmaceutics	FPH	FPH
6	Probe sonicator	Pharmaceutics	FPH	FPH
7	Brookefield viscometer	Pharmaceutics	FPH	FPH
8	Tray dryer	Pharmaceutics	FPH	FPH
9	IR Moisture balance	Pharmaceutics	FPH	FPH
10	Autoanalyzer	Pharmacology	FPH	FPH
11	HPLC – Waters	Pharmaceutical Chemistry	FPH	FPH

S. No	Name of Equipment	Department	Faculty	Location
12	FT-IR	Pharmaceutical Chemistry	FPH	FPH
13	UV Spectrophotometer	Pharmaceutical Chemistry	FPH	FPH
14	Flame photometer	Pharmaceutical Chemistry	FPH	FPH
15	Rota-evaporator	Pharmaceutical Chemistry	FPH	FPH
16	Microwave oven	Pharmaceutical Chemistry	FPH	FPH
17	HPTLC- Camag	Pharmacognosy	FPH	FPH
18	Olympus Lite image microscope	Pharmacognosy	FPH	FPH
19	Laminar flow chamber	Pharmacognosy	FPH	FPH

FACUTLY of ENGINEERING and TECHNOLOGY

Personal In charge

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S. No	Name of Equipment / Software / Workstation	Department	Faculty	Specifications of Equipment/ Software	Location
1	2 Zone Heating Chemical Vapour Deposition (CVD)	MME	FET	Shared separately	D304
2	UV-Vis Spectrophotometer	MME	FET	• Lo-Ray-Ligh grade blazed holographic diffraction grating with Czerny-Turner monochromator design • Wavelength range from 185nm to 900nm expandable to Near Infra-Red range up to 1,400nm with integrating sphere attachment • Variable spectral bandwidth selection from 0.1nm to 5nm and L2/L5 for low stray light mode for critical samples • 32bit UV Probe software includes – Spectrum, Data processing , Multitasking Photometric, Kinetics and time course, Report Generation and Inspection mode • ISR-2600 Plus Integrating Sphere Measurement Range : 220 – 1,400 nm	D304
3	Scanning Tunneling Microscopy (STM)	MME	FET	• Naio STM 500 nm • Imaging modes ○ Constant current (Topography) ○ Constant Height (Current) • Spectroscopy Modes ○ Current Voltage ○ Current Distance	D304

S. No	Name of Equipment / Software / Workstation	Department	Faculty	Specifications of Equipment/ Software	Location
4	Cone & Plate Viscometer	MME	FET	• Spindle: CAP-01 • Viscosity Range: 0.2- 375 Poise • Shear Rate: 13.3N/sec • Sample Volume: 67 micron • Speed: 5 to 1000 rpm • Automated PC Control using CAPCALC Software • Choice of Built -in temperature control: 5°C - 75°C	D304
5	Digital Viscometer with Rheosel	MME	FET	• Spindle: SC4-27 • Viscosity Range: 100-40M cP(mPa.s) • Shear Rate: 0.34N/sec • Speed: 5 to 1000 rpm • Automated PC Control using Software using CAPCALC Software • Choice of Built -in temperature control: 5°C to 75°C	D304
6	Gas Sensing Equipment	MME	FET	Shared Sperateley	D304
7	UTM	MME	FET	Load Cell: 1kN and 25kN Stroke: 25mm Operation: 0 to 65Hz	D304
8	Centrifuge	MME	FET	REMI R-8C Max. Speed: 5250rpm Max. RCF: 3600g Max. Capacity: 300mL Accessories: 8 x 15mL Angle Head; 6 x 50mL (Angle head); 4 x 50mL Angle head	D304

PHYSICS DEPARTMENT

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S. No	Name of Equipment/ Software/Workstation	Department	Faculty	Specifications of Equipment/ Software	Location	Contact person
1	High Temperature Chamber Furnace	Physics	FMPS	Make: Delta Power controls Model: 10815 'R' type thermocouple (up to 1300 °C) Accessories – High temperature crucibles	C-209	Dr. Ravikumar B S
2	Muffle Furnace	Physics	FMPS	Make: Delta Power controls Model: 41470 'K' type thermocouple (up to 900 °C) Accessories – High temperature crucibles	C-209	Dr. Ravikumar B S
3	Hot air oven	Physics	FMPS	Make: Delta Power controls Model: 1075 'K' type thermocouple (up to 200 °C)	C-209	Dr. Ravikumar B S
4	Analytical Weighing Balance	Physics	FMPS	Make: Shimadzu Model: ATX224 R Precision up to 4 decimal places	C-209	Dr. Premkumar H B
5	Probe Sonicator Model: PRO 650	Physics	FMPS	Make: PRO 650 Model: Labman Probe size available- 2 mm, 3 mm, 8 mm, 10 mm, 10 mm and 12 mm	C-209	Dr. Premkumar H B
6	Lab Centrifuge (Remi)	Physics	FMPS	Make: Remi Model: R-4C up to 4400 RPM Accessories – 10 ml centrifuge tubes	C-209	Dr. Premkumar H B
7	Fumehood - Table Top RUAS/PHY/FH/01	Physics	FMPS	Make: Aspire Inc., Model: Tabletop	C-209	Dr. Premkumar H B
8	Photochemical Reactor RUAS/PHY/SM-PR/01	Physics	FMPS	Make: LELESIL INNOVATIVE SYSTEMS Model: 6D ALPHA 2023	C-209	Dr. Premkumar H B

S. No	Name of Equipment/ Software/Workstation	Department	Faculty	Specifications of Equipment/ Software	Location	Contact person
9	REMI 1 MLH Magnetic Strirrer RUAS/PHY/MS/02	Physics	FMPS	Make: Remi Model: 1MLH	C-209	Dr. Premkumar H B
10	ALPHAII-P 1 PC ALPHA II - Platinum FT-IR Spectrometer HSN Code: 90273010	Physics	FMPS	Bruker Optics GmbH & Co.KG	D-304	Dr. Premkumar H B
11	Spin Coating" Systems	Physics	FMPS	Apex Instruments Co. Pvt. Ltd. Model No: EZspin-A1	C-108	Dr. Ravikumar B S
12	Intel® Xeon® Gold	Physics	FMPS	RAM: Total 96GB Memory HDD: 2TB SATA Graphics: 4GB NVIDIA Card	C-110	Dr. Ravikumar B S
13	Intel® Xeon Processor	Physics	FMPS	RAM: 512GB Memory HDD: 10 TB SATA	C-110	Dr. Ravikumar B S
14	Intel® Core™ i7	Physics	FMPS	RAM: 32GB HDD: 1TB SSD Graphics: 4GB NVIDIA Card T400	C-110	Dr. Ravikumar B S
15	Wolfram Mathematica	Physics	FMPS	Wolfram Mathematica 13.0	C-203	Dr. Ravikumar B S
16	Tubular Furnace	Physics	FMPS	Tempearture upto:1400 C	C-208	Dr. Ravikumar B S

CHEMISTRY DEPARTMENT

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S. No	Name of Equipment/Software/ Workstation	Department	Faculty	Specifications of Equipment/Software	Location
1	Rotary Evaporator	Chemistry	FMPS	R/170/02, Superfit, Y 2015	D201
2	Remi stirrers	Chemistry	FMPS	Q-19, REMI, 2015	D201
3	Potentiometer	Chemistry	FMPS	Model 318 SI # 1407, 1409, 1413; Y 2014	D201
4	Electronic Balance	Chemistry	FMPS	Analytical Electronic balance, SHIMADZU(0.1MG-220G), Y 2014	D201
5	Hot air oven	Chemistry	FMPS	Hot Air Oven inner 2'.2'.2' inner SS with digital temperature controller cum indicator and fan, 2014	D201
6	Conductometer	Chemistry	FMPS	Model 304 SI # 10259, 10260, 10261, Y 2014	D201
7	Flame Photometer	Chemistry	FMPS	Model 130 SI # 1817, 6900, Y 2014	D201
8	Colorimeter	Chemistry	FMPS	Model 112 SI # 10754, 10755, 10802, Y 2014	D201
9	pH meter	Chemistry	FMPS	Model MK VI SI # 11992, 11993, 11994, 11995, Y 2014	D201
10	Heating mantle	Chemistry	FMPS	CINTEX industrial corporation, Y 2014	D201
11	water bath	Chemistry	FMPS	CINTEX industrial corporation, Y 2014	D201
12	Fume hood	Chemistry	FMPS	Locally Fabricated, Y 2014	D201

S. No	Name of Equipment/Software/ Workstation	Department	Faculty	Specifications of Equipment/Software	Location
13	Centrifuge	Chemistry	FMPS	MEDICO (4X15ML, SWING OUT HEAD & 15ML GLASS TUBES, MAX SPEED:3500 RPM, Y 2016	D201
14	Hot plate	Chemistry	FMPS	SSI LAB, Y 2014	D201
15	Vacuum pump	Chemistry	FMPS	250 LTR/MIN, Speed:15m3/hr, Y 2015	D201
16	DC Power supply	Chemistry	FMPS	0-30V/5A DUAL, Y 2019	D201
17	Cyclic Voltameter	Chemistry	FMPS	Kyte 1-0, S No- BB15, Y 2019	D201
18	UV Chamber	Chemistry	FMPS	Short UV(254nm), long UV(365 nm), Wave Tube & normal white Fluorescent Tube, Y 2015	D201
19	Cloud & Pour point apparatus	Chemistry	FMPS	Hamco 9B Model, Y 2017	D201
20	Flash Point apparatus	Chemistry	FMPS	Hamco 30B Model, Y 2017	D201
21	Smoke point apparatus	Chemistry	FMPS	Hamco 43 Model, Y 2017	D201
22	Melting Point apparatus	Chemistry	FMPS	SSI LAB, digital, Y 2017	D201
23	Peristaltic pump	Chemistry	FMPS	make: KRISHNA, Y 2019	D201
24	UV-Visible Spectrophotometer	Chemistry	Shown in ME / FET Inventory	UV-2600, Y 2017	D304
25	Magnetostriction Measuring Equipment (VSM)	Chemistry	FMPS	Ferrites India, 2T, Y 2020	H101
26	Thermal Conductivity Analyzer	Chemistry	FMPS	C-Therm, 0.03 - 10 W/m.K, Room Temp to 250 deg C, Y 2020	H101
27	High Performance Computing Machine	Chemistry	FMPS	500 core	C209
28	VASP Software	Chemistry	FMPS		C209

AEROSPACE and AUTOMOTIVE ENGINEERING

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S.No	Name of Equipment/Software/ Workstation	Department	Faculty	Specifications of Equipment/ Software	Location
1	Single Zone Heating Chemical Vapour Deposition (CVD)	ASE/MME	FET	Shared separately	D304
2	Spin Coater	ASE/MME	FET	• Micro-controller Controlled • Brushless DC Motor • Speed Range: 100–10,000 RPM with $\pm 1\%$ error across the full speed range and acceleration - 40–5000RPM/sec • Duration: 1 – 9999 sec/step • 2 preset editable programs with 10 steps (Max)/program • Real time display of RPM timing and program status on 4 line • LCD console • Non-volatile program memory • Input and controlling through keypad • User friendly firmware interface • PTFE coated working chamber of 8" diameter with spill drainage facility • Integrated power on/off and vacuum releases with indicator • Acceleration: upto 2000 rpm/sec (Programmable) • Transparent photo-resist safety lid over the working chamber	D304
3	Adhesion Tester	ASE/MME	FET	DeFesko Corporation, USA PosiTest AT Dolly size and stand-off: 20mm Range: 0.7 - 2 MPa (100 - 3000 psi) Resolution: 0.01 MPa (1 psi) Accuracy: $\pm 1\%$ Full scale	D304

4	Vacuum Oven	ASE/MME	FET	Chamber Dimension: 300mm (D)x 200mm W) x 300mm (H) Max. Temp.: 500C Temperature Uniformity: 5C	D304
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7353836303

S. No	Name of Equipment/Software /Workstation	Department	Faculty	Specifications of Equipment/ Software	Location	Contact person
1	Repeated Load Test Apparatus	Civil Engineering	FET	5 Ton	Workshop Block -2 (WB 105)	Dr.Nikhil TR
2	Rolling Thin Film Oven	Civil Engineering	FET	92 Lts	Workshop Block -2 (WB 105)	Dr.Nikhil TR
3	Brookfield Viscometer	Civil Engineering	FET	0.3 to 100 RPM	Workshop Block -2 (WB 105)	Dr.Nikhil TR
4	Compression Testing Machine - Digital	Civil Engineering	FET	2000kN	Workshop Block -2 (WB 105)	Dr.Nikhil TR
5	Air Compressor	Civil Engineering	FET	12 Bar	Workshop Block -2 (WB 105)	Dr.Nikhil TR
6	Concrete Permiabilty Test Apparatus	Civil Engineering	FET	3 Cell, 150mm sample	Workshop Block -2 (WB 105)	Dr.Nikhil TR
7	Flexural Test Apparatus	Civil Engineering	FET	100 Ton	Workshop Block -2 (WB 105)	Dr.Nikhil TR
8	Triaxial Test Apparatus	Civil Engineering	FET	30 speed, 5000kgf	Workshop Block -2 (WB 105)	Mr.Yateen Lokesh
9	Directshear Shear Test Apparatus	Civil Engineering	FET	Motorized, 12 diferent constatatn rates of strain i.e : 1.25,0.625,0.25,0.125,0.05,0.025,0.01,0.005,0.002,0.001, 0.0004	Workshop Block -2 (WB 105)	Mr.Yateen Lokesh

S. No	Name of Equipment/Software /Workstation	Department	Faculty	Specifications of Equipment/ Software	Location	Contact person
				and 0.0002 mm/min		
10	CBR Apparatus	Civil Engineering	FET	Single Speed 5000kgf	Workshop Block -2 (WB 105)	Mr.Yateen Lokesh
11	Marshal Apparatus	Civil Engineering	FET	Single Speed 5000kgf	Workshop Block -2 (WB 105)	Mr.Yateen Lokesh
12	Unconfined Compression Test Apparatus	Civil Engineering	FET	3 speed, 5000kgf	Workshop Block -2 (WB 105)	Mr.Yateen Lokesh
13	Consolidation Test Apparatus	Civil Engineering	FET	3 Gang	Workshop Block -2 (WB 105)	Mr.Yateen Lokesh
14	Total Station	Civil Engineering	FET	5 Seconds	CD 101 (Dblock)	Mr.Yateen Lokesh
15	Auto Level	Civil Engineering	FET	360 Deg	CD 101 (Dblock)	Mr.Yateen Lokesh
16	Atomic Absorption Spectrophotometer	Civil Engineering	FET	Wavelength: 180-900nm	D203	Mrs.Sushma R
17	UV-Visible Spectrophotometer	Civil Engineering	FET	Wavelength: 190-1100nm. Single Beam	D203	Mrs.Sushma R
18	BOD Incubator	Civil Engineering	FET	Temperature Range : 10°C to 60°C	D203	Mrs. Sushma R
19	Turbidity Meter	Civil Engineering	FET	0 to 1000 NTU	D203	Mrs.Sushma R
20	DO Meter	Civil Engineering	FET	Range : 0 to 20ppm	D203	Mrs.Sushma R
21	High Temperature Furnace	Civil Engineering	FET	Heating Capacity Max : 1300 Deg	Workshop Block -2 (WB 106)	Mrs.Sushma R
22	Skid Resistance Tester	Civil Engineering	FET	Measurement Range : 0 to 150 BPN	Workshop Block -2 (WB 105)	Mrs.Sushma R

S. No	Name of Equipment/Software /Workstation	Department	Faculty	Specifications of Equipment/ Software	Location	Contact person
23	COD Reflexure	Civil Engineering	FET	8 Test Unit	D203	Mrs.Sushma R

COMPUTER SCIENCE AND AUTOMATION

Personal In charge

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Phone Number: +91 9986912310

S. No	Name of Equipment /Software/Workstation	Department	Faculty	Specifications of Equipment/Software	Location
1	ALS-XI-IOT-PRJBRD-RBPi-01 RASPBERRY PI BASE BOARD	CSE	FET	Base Board	A 102LAB
2	RASPBERRY PI 4 8GB MODEL B WITH HDMI CABLE,SD CARD(16GB EXPANDABLE UPTO 32 GB	CSE	FET	Base Board	A 102LAB
3	OLED 16X2 ALPHANUMERIC LCD MODULE STEPPER MOTOR USB TO SERIAL CABLE FOR ON BOARD UART PORT	CSE	FET	INTERFACE BOARD	A 102LAB
4	NODE MCU PROJECT BOARD(ESP 8266)	CSE	FET	Base Board	A 102LAB
5	ALS-IOT-SENSOR-IFC-01 IOT SENSOR INTERFACE BOARD	CSE	FET	INTERFACE BOARD	A 102LAB
6	ALS-IOT-SENSOR-IFC-02 IOT SENSOR INTERFACE	CSE	FET	INTERFACE BOARD	A 102LAB

ELECTRONICS AND COMMUNICATION ENGINEERING

Personal In charge

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Phone Number: +91 9481730701

S.No	Name of Equipment /Software/Workstation	Department	Faculty	Specifications of Equipment/Software	Location
1	GPU work station (2)	ECE	FET	NVIDEIA 4900-I9, I7	ECE department
2	Software Defined Radio (2)	ECE	FET	USRP NI2901 Teaching Bundle	ECE department
3	Software Defined Radio (1)	ECE	FET	USRP N200	ECE department
4	GPU work station (1)	ECE	FET	ASUS	ECE department

ELECTRICAL ENGINEERING

Personal In charge

Name: Dr. S. Nagaraja Rao

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S. No	Name of Equipment/Software/Workstation	Department	Faculty	Specifications of Equipment/Software	Location
1	Dissectible machine	EE	FET		D-303

Ramaiah Advanced Testing Lab

Personal In charge

Name: Dr. Shenoy

Email ID: th@ramaiahlab.com msrdtl@yahoo.com

Phone Number: 080-40918017

Sl.NO	Name of Equipment	Details of Equipment
1	ICP-MS Auto sampler	Shimadzu 2030/B42245500124
2	ICP-OES	Thermo iCAP7000 series
3	GC-FID	Shimadzu GC 2014
4	HPLC Auto-sampler with PDA detector	Waters 2695
5	LC MS/MS auto sampler	Waters Acquity
6	UPLC	Xevo
7	MQ system	Sartorius
8	Vortex Mixer	
9	Fine Balance 1mg	Ohaus
10	Bath Sonicator	
11	HP77 Tritator	
12	GC-ECD/FPD/TCD	Agilent-8890
13	Solid Sampler Unit	Agilent
14	UV-Vis Spectrophotometer	Shimadzu 1601
15	pH meter	Hanna
16	Dissolution & Disintegration system	Electrolab/ Servewell instruments
17	MuffleFurnace	Biotek instruments
18	Hot air oven	
19	Microwave digester	
20	Nitrogen Evaporator	
21	N ₂ /Ar cylinders	
22	Fume hood	
23	Soxlet Extraction Heating unit	Sigma Scientific
24	Hot Plate	
25	Centrifuge	Remi
26	Vacuum oven	
27	Digital Hygrometer	Equinox
28	digital colony counter	DCC 110/108 Opto precision services
29	Temperature sensor with indicator, K type	HTC, DT-305 - measures -50 to + 1300C
30	BOD incubator	
31	cyclomixer	CM101 Plus/ Remi

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