



CENTER FOR RESEARCH AND INNOVATION (CRI)

Adichunchanagiri University is committed to be a Research and Innovation Driven University. The aim of ACU is to become an international Research Hub through education, research and innovation. To attain this goal, it is absolutely important to pursue cutting-edge basic, targeted, and applied research in all domains/ faculty of studies in a transparent, responsible and ethical manner for the advancement of knowledge and development of novel processes, technologies and products. It is equally important to ensure that the products and outcomes of such research are appropriately disseminated to reach the widest possible stakeholders at both national and international levels.

The Universities with well-established systems and facilities for Research and Innovation (R&I) are generally receiving worldwide recognition. Moreover, the number of students seeking admission in PhD programmes is gradually increasing. This will intensify further. The research system at Adichunchanagiri University is, however, building up. In view of this, the ACU has initiated steps to strengthen research activities of different disciplines through the setting up of a Research Division.

List of Major Equipment available at ACU-CRI

Research Infrastructure (RI) is a priority for funding agencies, policy makers and scientists. Therefore, development of scientific infrastructure is critical for the advancement of nations with ease of access and greater emphasis for their optimal utilization. Accordingly, ACU is keen in developing Research Infrastructure at ACU-CRI. In order to provide state of the art infrastructure for the faculty member, University has procured world-class equipment.

Sl. No.	Equipment Description	Make and Model	Location of Department	Date of Purchase
1	Centrifuge without temperature control	Remi-R24	ACU-CRI	30/03/2020
2	Rotary Evaporator	LabTech EV400	ACU-CRI	30/03/2021
3	Ice Flaker	Simag- SPR80AS	ACU-CRI	30/03/2020
4	Electrical Balance	Revotech Aczet CY224	ACU-CRI	30/03/2020



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5	Tabletop XRD	Rigaku Miniflex 600 6G	ACU-CRI	30/03/2020
6	FTIR Spectrophotometer	Shimadzu IR Spirit	ACU-CRI	30/03/2020
7	Multimode Microplate Reader	BMG Lab Tech FLUO star omega	ACU-CRI	30/03/2020
8	High Performance Liquid Chromatography system	Waters BREEZE QS	ACU-CRI	30/03/2020
9	Nanodrop Spectrophotometer	Thermo scientific OneC	ACU-CRI	30/03/2020
10	Real time PCR system	BioRad CFX 96	ACU-CRI	30/03/2020
11	Probe Sonicator	Sonics VCX/750	ACU-CRI	30/03/2020
12	Refrigerated Centrifuge	Thermo scientific Sorvall ST4R+	ACU-CRI	30/03/2020
13	Microprocessor controlled -80°C upright ultra-low deep freezer	Thermo scientific Forma 900 series	ACU-CRI	30/03/2020
14	CO ₂ Incubator	Thermo scientific	ACU-CRI	30/03/2020



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		Forma Air Jacketed		
15	Class II Biohazard safety cabinet	Esco AC2-4EB	ACU-CRI	30/03/2020
16	Mini Vertical Electrophoresis	BioRad Mini trans blot	ACU-CRI	30/03/2020
17	Gel Documentation Unit	BioRad Gel Doc XR	ACU-CRI	30/03/2020
18	Water Purification system	Veero Metal 84212190	ACU-CRI	30/03/2020
19	Freeze Dryer or Lyophilizer	5 Pascal LIO 5P DGT	ACU-CRI	30/03/2020
20	Vacuum Glove Box		ACU-CRI	30/03/2021
21	Polymer 3D PRINTER AND Bioprinter with Two extruders	Twasva	ACU-CRI	30/03/2020
22	Co-Rotating compounding Twin Screw Lab Extruder with pelletizer and water bath	Disha Impex	ACU-CRI	30/03/2020
23	Micro injection molding machine with standard testing molds	Disha Impex M30	ACU-CRI	30/03/2020
24	Hydraulic compression molding machine with standard testing molds	Disha Impex	ACU-CRI	30/03/2020



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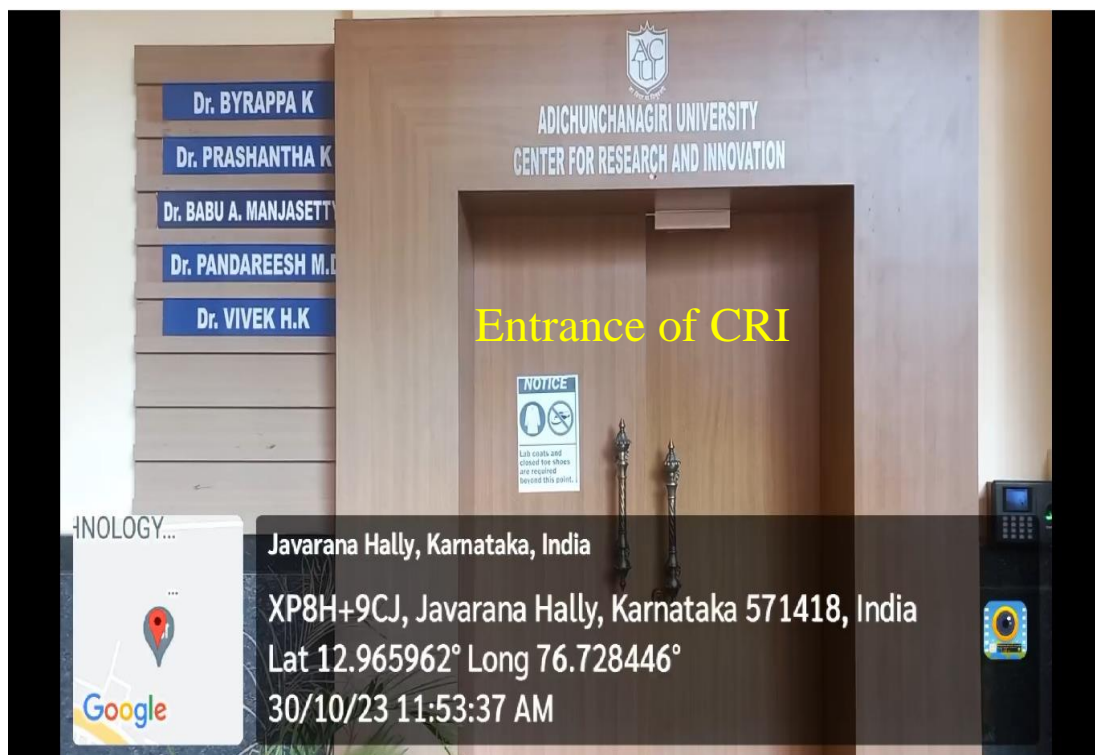
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25	Tensile testing machine with accessories	Disha Implex	ACU-CRI	30/03/2020
26	Impact testing unit	Disha Implex	ACU-CRI	30/03/2020
27	Muffle Furnace	Heatcon	ACU-CRI	14/07/2020
28	Vacuum Oven		ACU-CRI	14/07/2020
29	Hot Air Oven	Heatcon	ACU-CRI	14/07/2020
30	Liquid Nitrogen Plant	Triton2	ACU-CRI	14/07/2020
31	UV-Vis Spectrophotometer	Shimadzu UV-2600i	ACU-CRI	14/07/2020
32	Inverted Binocular Microscope with camera	Carl Ziess	ACU-CRI	14/07/2020
33	Computational Workstation	Dell	ACU-CRI	14/07/2020
34	Fume Hoods	Prithvi Contaminations control system	ACU-CRI	10/06/2020
35	Deep Freezer	Elanpro EGN600	ACU-CRI	31/03/2021
36	HPLC Semi Preparative Column	Waters	ACU-CRI	31/03/2021
37	Hotplate Magnetic stirrer	Borosil	ACU-CRI	31/03/2021



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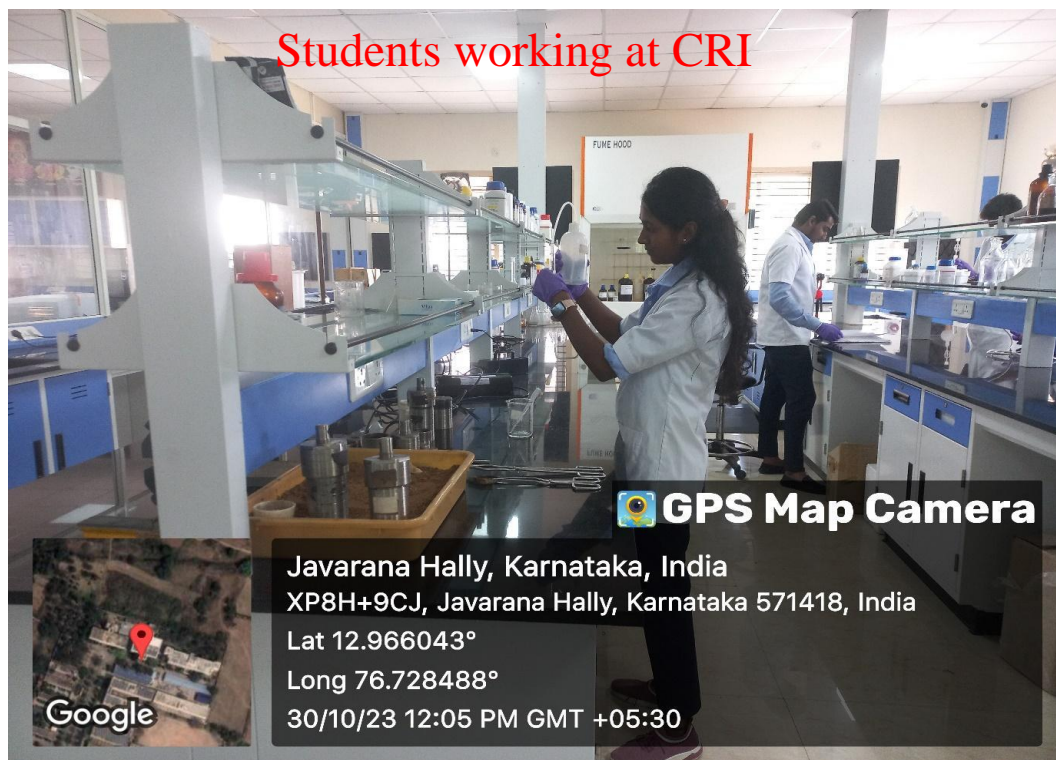
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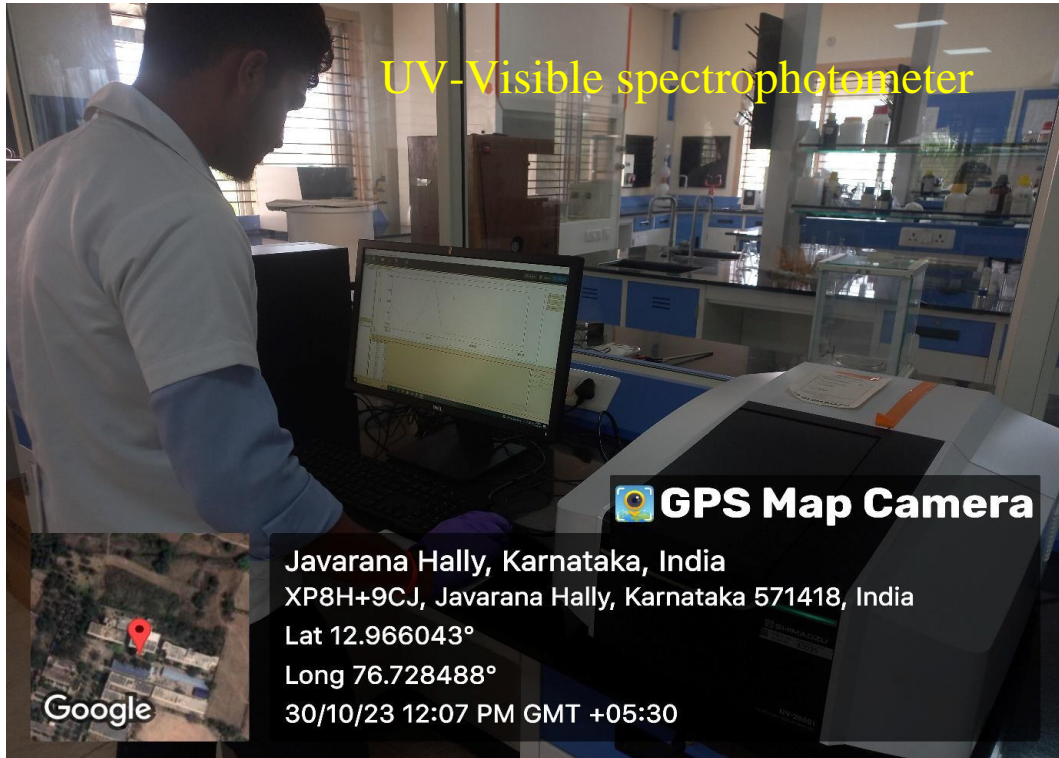
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Pipetting



 **GPS Map Camera**



Javarana Hally, Karnataka, India
XP8H+9CJ, Javarana Hally, Karnataka 571418, India
Lat 12.966043°
Long 76.728488°
30/10/23 12:06 PM GMT +05:30

Students using Weighing balance



 **GPS Map Camera**



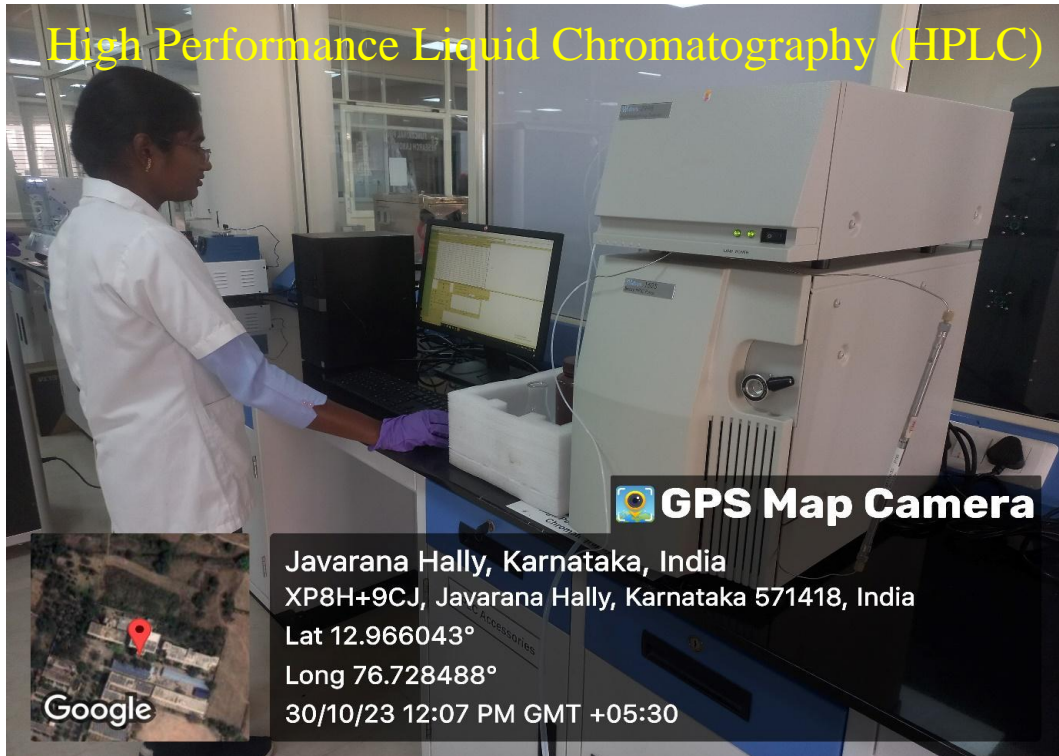
Javarana Hally, Karnataka, India
XP8H+9CJ, Javarana Hally, Karnataka 571418, India
Lat 12.966043°
Long 76.728488°
30/10/23 12:08 PM GMT +05:30



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High Performance Liquid Chromatography (HPLC)

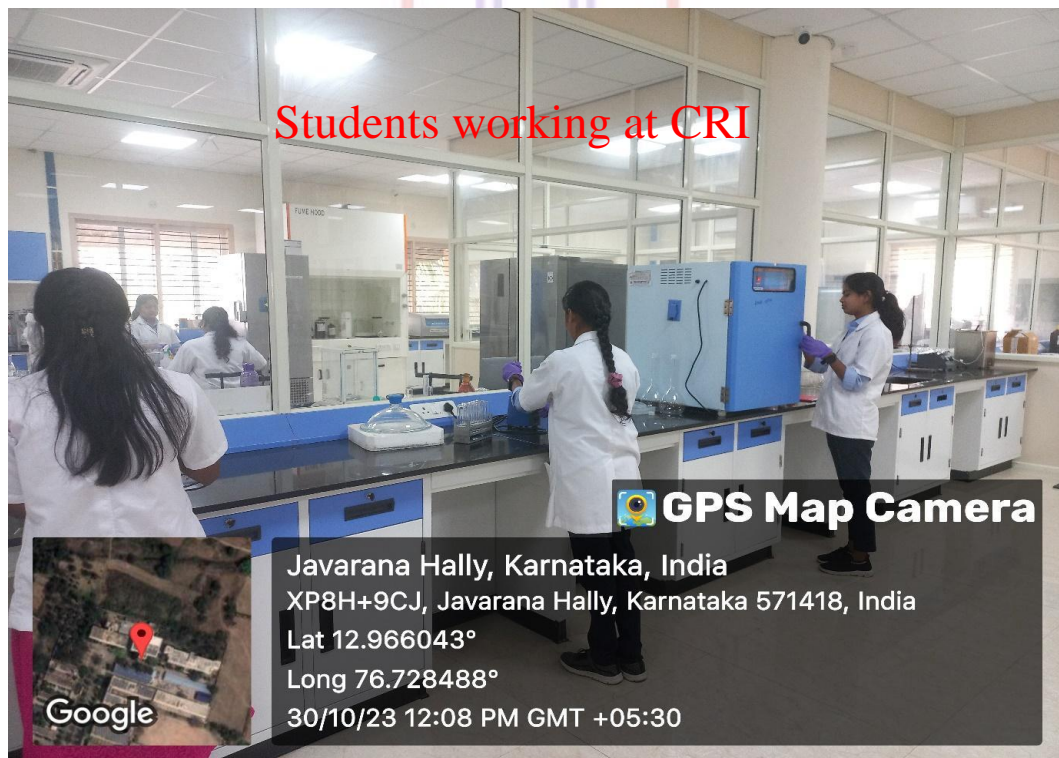


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Lat 12.966043°
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Students working at CRI



 **GPS Map Camera**



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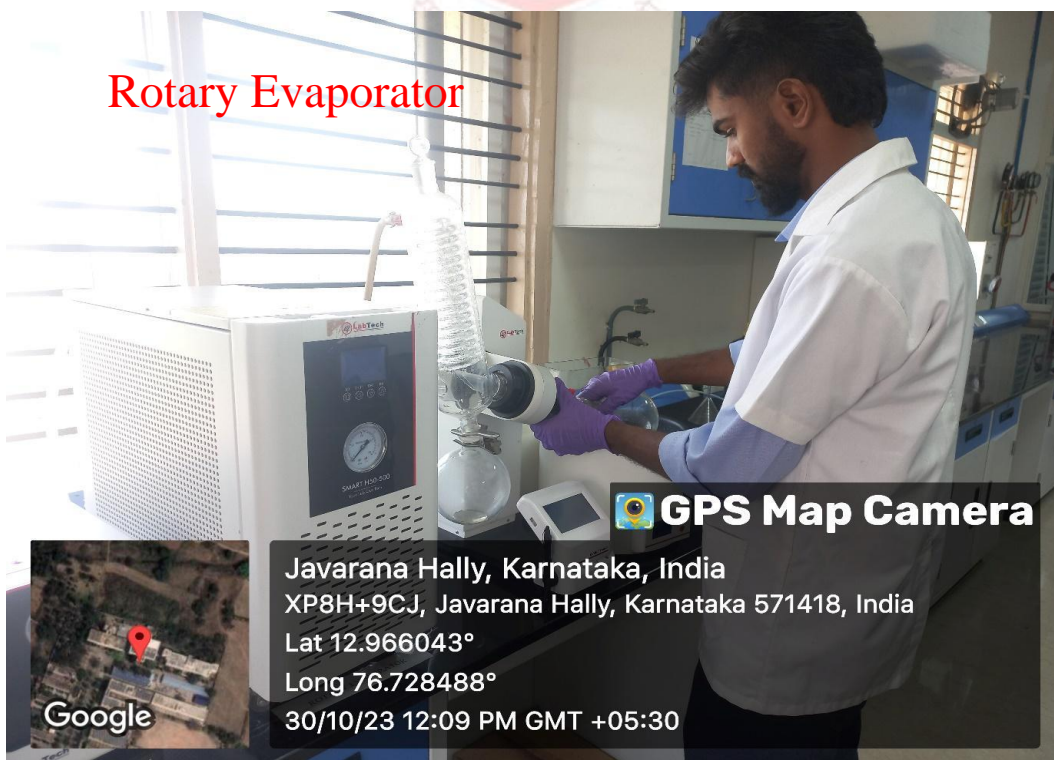
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Rotary Evaporator





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3D Printer

GPS Map Camera



Google

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Gel Documentation Unit

GPS Map Camera



Google

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