

Central Instrumentation Centre (CIC)

The quest for search of knowledge is made vibrant by promoting basic and interdisciplinary research activities with focus on emerging societal needs and innovation. To cater the need of researchers and innovators, a Central Instrumentation Facility Centre is established in University. This center supports various researchers by providing a well-equipped laboratories pertaining to the modern research areas. In addition CIC Provide teaching and research supports to post graduate students & researchers of all science and technology departments. It runs under the purview of Research Cell of the university. The objective of this center is to strengthen the technological infrastructure to carry out advanced research in various science disciplines under one roof. For this, university creates an enabling environment to foster interdisciplinary research culture and providing required research infrastructure and support. The center was created with the objective of providing a central facility of latest and advanced analytical instruments for research and for promoting interdisciplinary research. Efforts are being made by the CIF to develop new techniques / methods of analysis to put the instruments to their full use and offer them to the researchers for exploring new dimensions in research in various areas of science and technology.

The facilities will house a wide range of sophisticated analytical equipment, maintain them and ensure a fair utilization among the research community. Some of the equipments that are installed and operational include Spectrophotometer, BOD Incubator, Spectrometer, viscometer etc. are located in CIC Lab itself while some bulky equipments are placed at the Department.

The computer labs are equipped with various design and analysis tools, simulation softwares, High level language softwares etc. with 24*7 internet connectivity. The university Engineering Department has laboratories with state-of-the-art instruments like. Sieve, Pendulum Impact Testing machine, Universal Testing Machine, Compression Testing Machine, Bitumine Mixer and extractor, various testing apparatuses for stability test, ductility test etc. We have laboratories for fields like Fluid Mechanics, IC Engine, CNC Lathe machine for automation work and CAD tools.

CIC is trying hard to make this center even more equipped in future and open it for outsiders to utilize CICEquipments and instruments on a nominal payment basis. Also, to organize short-term courses/workshops on the use, application and analysis of various instruments for advanced research for students, teachers and technical personnel from our University, affiliated institutions, Universities and Industry in the region.



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Instruments under CIC

Instrument Name	Objective	Lab
Spectrophotometer	A basic instrument used for obtaining absorption/transmittance spectra, optical band gap and solute concentration etc.	Chemistry Lab
Digital pH Meter	It is used to accurately measure the acidity or alkalinity of a substance	Chemistry Lab
Kipp's Apparatus	It is an apparatus designed for preparation of small volumes of gases.	Chemistry Lab
BOD Incubator	BOD Incubators are used to maintain temperature to test tissue culture growth, storage of bacterial cultures and incubation where high degree of constant temperature accuracy is required.	Chemistry Lab
Pendulum Impact Testing Machine	It is used to determine the amount of energy absorbed by a material during fracture.	Engineering Lab
Spring Testing Machine	It is used to test the laminated springs and coil springs under compression and bending loads	Engineering Lab
Universal Testing Machine	To check the Tensile strength of building materials	Engineering Lab
Hot air oven	Determination of moisture in soil and plant by dry weight basis.	Agronomy lab
Binocular microscope	To Observe the minute insects and insect body parts after Dissection	Entomology lab
Soxhlet Extraction Apparatus	To extract the lipids and other molecules from a solid sample	Entomology lab
Rotary shaker	To mix solid and liquid at desired period of time.	Soil science and agriculture chemistry
Infiltrometer	To determine infiltration rate of soil.	Soil science and agriculture chemistry



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Jagannath University

Google

Jaisinghpura, Rajasthan, India
Unnamed Road, Jagganath University, Jaisinghpura,
Rajasthan 303901, India
Lat 26.54956°
Long 75.953024°
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am
tometer

ROTARY SHAKER

COMPRESSOR

ROTARY FLASK SHAKER

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Jaisinghpura, Rajasthan, India

GXX3+W43, Jaganath University, Jaisinghpura,

Rajasthan 303901, India

Lat 26.54964°

Long 75.952582°

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SPRING TESTING MACHINE



GPS Map Camera

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 Jaisinghpura, Rajasthan 303901, India
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BOD
INCUBATOR

B.O.D. INCUBATOR

B.O.D. INCUBATOR



GPS Map Camera




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SPECTRO
PHOTOMETER



 GPS Map Camera

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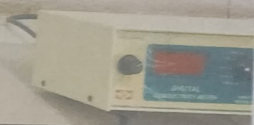
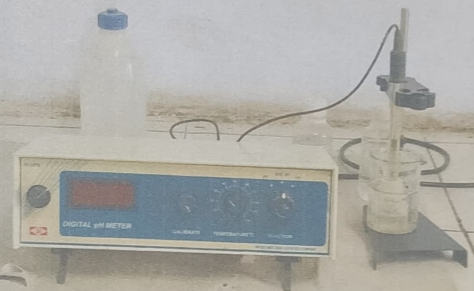
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Rajasthan 303901, India
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DIGITAL pH METER



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Rajasthan 303901, India
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INFILTRMETER

Oven



GPS Map Camera

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GXX3+W43, Jagannath University,

Jaisinghpura, Rajasthan 303901, India

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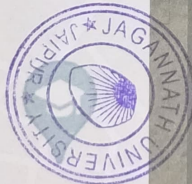
INFILTROMETER



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GXX3+W43, Jaganath University, Jaisinghpura,

Rajasthan 303901, India

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BINOCULAR
MICROSCOPE



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Rampura Bujurg, Rajasthan, India

Unnamed Road, Rampura Bujurg, Rajasthan 303901,

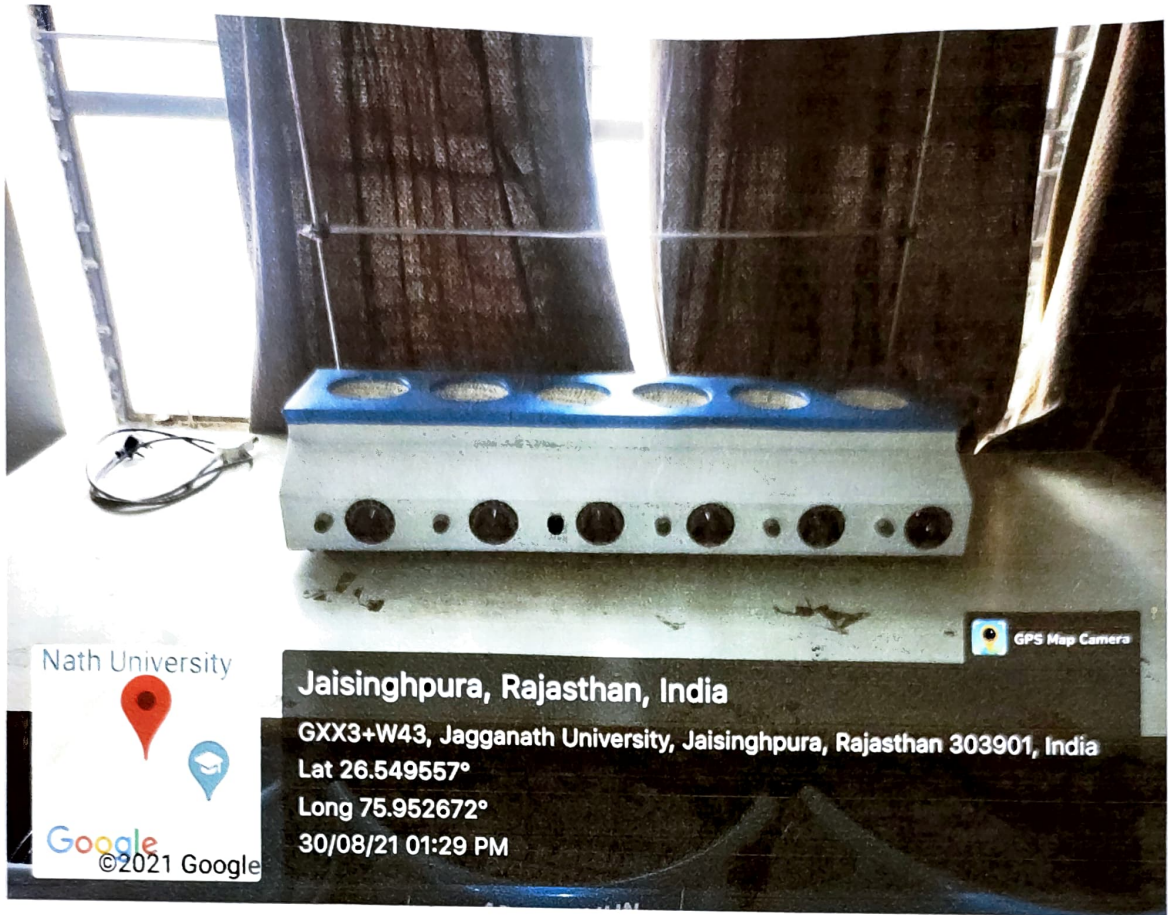
India

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Long 75.951889°

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Central Instrumentation Centre (CIC)

Guidelines

1. The facility is available for all the students, Research Scholars and Faculty Members of the university at no cost.
2. For external users, instruments are available at very nominal cost in the time bound manner.
3. The users have to submit the Requisition Form [Annexure I] duly signed by the respective Head of the Department/ Research Guide indicating the desired time slot.
4. The time slot is 7 days for a particular instrument.
5. User cannot take consecutive slots for the same instrument however, they can book slot for other instruments.
6. Confirmation of the slot booking will be intimated through emails 3 days prior to the slot date.
7. All the available instruments/ sample results are meant for research purposes only and cannot be used in legal disputes.
8. It is mandatory for all scholars to mention the Jagan Nath University Central Instrumentation Centre in their Research Report/ Thesis etc. along with the number of samples taken.
9. The CIF will not be responsible for any loss, damage of the sample occurred during the transit.
10. Any specific consumables required for particular analysis has to be managed by the candidate himself.



STOCK REGISTER

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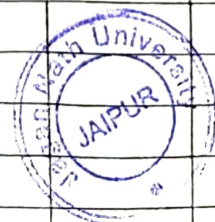
Name of Article UNIVERSAL TESTING M/C

वस्तु का नाम

Date तिथि	PARTICULARS विवरण	Bill No. बीजक नं.	Receipt प्राप्ति	Issue देय	Balance बाकी	Remarks टिप्पणी
18/8/13	A-S-I Sales Pvt. Ltd.	B-159/09	01	-	01	Trans J.N.U. verified 3/5/13
						OK magal 3/7/13 11/7/13
13/2/14	vijay elec. switch. of	-	01	switch	Replacement	OK magal 1/8/14 2/4/14
						magal 10/9/16 7/3/19
						W/h OK 04/1/22

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Responsible
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STOCK REGISTER

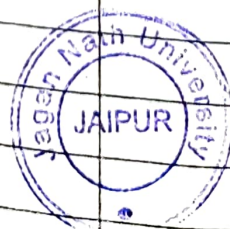
Name of Article IMPACT M/C

वस्तु का नाम

Date तिथि	PARTICULARS विवरण	Bill No. बीजक नं.	Receipt प्राप्ति	Issue देय	Balance बाकी	Remarks टिप्पणी
18/8/22	AST PVT LTD	B-157/02	01	-	01	for
						Receipt
						OK
						M. G. G.
						19/12
						11/11/22
						M. G. G.
						15/11/22
						7/13/19
						M. G. G.
						04/01/22

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Raminder
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Name of Article SPRING TESTING M/C
 वस्तु का नाम

Date तिथि	PARTICULARS विवरण	Bill No. बीजक नं	Receipt प्राप्ति	Issue देय	Balance शेष	Remarks टिप्पणी
18/8/7	ASI PVT LTD.	13-159/7	01	-	01	Pool initial verified 18/8/7
14/09/10	Matn (vald) / 40 to 10 litres	168304 168301	10 litres	-	-	Big verified 14/9/10
						OK 11/7/13
02/10/13	Hydraulic Seal of m/c 25 X 50 X 12	1954 2/10/13	02	01	01	OK 11/9/14
						OK 16/9/14
						S/M 7/3/19
						Phoma OK 04/01/22

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Stock Register

पृष्ठ
0110

Name of Article
नाम सामग्री

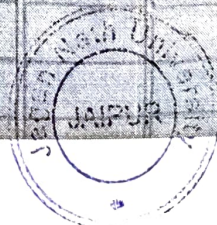
Oven

HSN Code

Month & Date माह व तिथि	PARTICULARS विवरण	Voucher or Invoice No. वाचन / बीएस नं.	Receipt प्राप्ति	Issue निर्गमित	Balance शेष	Remarks टिप्पणी
02-03-16	R.K. Enterprises	8177	1 Nos.		1 Nos.	
	Cost 5200/- +5% VAT					
19/6/2019	This Equipment Received from 8 Centralized Stock Register NO. 3 and Page NO. 37					
						AS 28/08/20

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STOCK REGISTER

32

Name of Article *Microscope (Binocular with light source)*
 नाम का वस्तु

Date दिनांक	PARTICULARS विवरण	Bill No बी. नं.	Receipt जप	Quantity मात्रा	Balance शेष	Remarks टिप्पणी
10/11	The Scientific Instrument Co. (Private) Cost. Rs. 1500/-	805/8350	1 No.		1 No.	
15/11	Agarwal Brothers Jaipur Olympus model CR 101 Cost. Rs. 2500/-	1292	1 No.		2 Nos.	1 No.
15/11	nothing consistent with yes					
25/11	No. Breakage				2 Nos.	
25/11	Balance (On Hand) (Not Working)				2 Nos.	
					2	
					21/11/11	
						1 No.
						1 No.
						2 Nos.

Monitor

Certified

[Handwritten Signature]



Chemistry, Soil Science and Agricultural Chemistry

S. No.	Name of Equipments	Stock Register Name	Page No.	Quantity	Remark
1	pH Meter	Chemistry Lab.	21	5 Nos.	
2	Visible Spectrophotometer	Chemistry Lab.	33	1 Nos.	
3	Rotary Shaker	Soil Science and Agricultural Chemistry Lab.	66	1 Nos.	
4	BOD Incubator	Chemistry Lab.	34	1 Nos.	
		Soil Science and Agricultural Chemistry Lab.	61	1 Nos.	
5	Hydrometer	Soil Science and Agricultural Chemistry Lab.	69	5 Nos.	
6	Infiltrometer	Soil Science and Agricultural Chemistry Lab.	63	3 Nos.	
7	Redwood Viscometer	Chemistry Lab.	23	2 Nos.	
8	Kipp's Appartus	Chemistry Lab.	30	1 Nos.	

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