

Centurion University of Technology and Management
M S Swaminathan School of Agriculture
Laboratory Equipment Ok Certificate

Date: 03.02.2022

To,

The Registrar
CUTM, Paralakhemundi

The following departments of M S Swaminathan School of Agriculture is given their laboratory equipment Ok certificate. The list is attached here with. Please release the salary of School of Agriculture for the month of January '2022.

1. Crop Physiology and Bio Chemistry
2. Plant Pathology *of Agr. Microbiology*
3. Agronomy
4. Horticulture
5. Agricultural Chemistry and Soil Science
6. Genetics and Plant Breeding and Seed Science & Technology
7. Entomology
8. Fishery Department
9. Biotechnology *of Phytothama*

S. S. Dange
Dean(Admin.), MSSSoA
S. S. Dange

Approved / ~~Not Approved~~

[Signature]
Registrar

LABORATORY EQUIPMENT CERTIFICATE

Department: ENTOMOLOGY Name of Faculty In-Charge: Dr. Manish K Yadav (DATE:31/01/2021)

Laboratory Name: Entomology Lab Name of Lab In-Charge: M. RAMESH

S.no	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab Equipment
1	Sprayers	10-05-2015	07-08-2020	yearly	5 liter sprayer (4) not Working
2	Microscopes	29-03-2013			Working
3	Projector	07-03-2018	07-08-2020		Working
4	Light Trap	11-07-2018			Working
5	Motor (1/3 HP)	30-08-2017			Working
	PH meter	21-12-2018			Working & cable not working
7	Binocular Microscopes	21-12-2018		Half yearly	Working
8	Weighing Machine(200g)	1-12-2018			Working & cable not working
9	Soxhlet Apparatus	30/11/2018		Half yearly	Working
10	Oven	21/01/2019		Half yearly	Working
11	Mixer Grinder	28/08/2017		Yearly	Working
12	Weighing Balance 3 kg	01/05/2019		Yearly	Working
13	Bee Hives	09/01/2019		Not required	working
14	Weighing Machine(3kg)	01.05.2019		Yearly	Working
15	Desicator 150mm	25.10.2021			Working
16	Occular Micrometer	25.10.2021			Working

M.Ramesh

Signature of Lab In-Charge

M. Ramesh
02/02/2022

Dr. Lipsa Das
02/02/2022

Signature of HoD

Manish Kumar Yadav

Signature of Faculty-in-Charge of Lab

Manish Kumar Yadav

LABORATORY LOG REGISTER

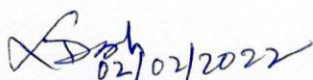
Name of the Laboratory: **Entomology**

Department/School: **Entomology**

Lab Log Register for the month of **January** _Year **2021**

S. No	Date	Lab used by	Total allotted (In Hours)	Time used (in hours)
1.	01-01-2022 to 31-01-2022	Ms. V. Ramalaxmi	32 Hours	15 Hours
2.	"	Dr. Lipsa Das	32 Hours	15 Hours
3.	"	Dr. Sudhasnubala	0 Hours	0 Hours
4.	"	Dr. Sunil	32 Hours	12 Hours
5.	"	Mr. Deepayan Padhy	32 Hours	15 Hours
6.	"	Dr. Nihal R	32 Hours	15 Hours
7.	"	Dr. Manish K Yadav	32 Hours	12 Hours

		Total	192 Hours	84 Hours


02/02/2022
Dr. Lipsa Das

Signature of the Hod

LABORATORY USAGE REPORT

Name of the Laboratory: ENTOMOLOGY

Department/ School: DEPT.OF ENTOMOLOGY

Lab usage report for the month: January Year: 2021

No. of working hours of the month (1)	Total hours utilized in the month (2)	Utilized by Dept/ School (write the list in the table below) (3)	Utilized by (Program name & course name) (4)	No. of hours used by each of them as given in column (5)
192 hours	84 hours	Entomology	PHCM IPESDM	84 Hours

M.Ramesh

Signature of Lab In-Charge

M. Ramesh
02/02/2022

Dr. Lipsa Das 02/02/2022
Dr. Lipsa Das

Signature of HoD

Lipsa Das

LABARATORY EQUIPMENT OK CIRTIFICATE

Department : Crop Physiology & Biochemistry

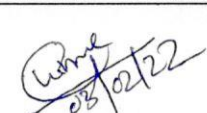
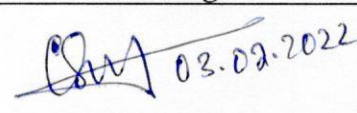
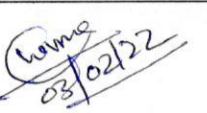
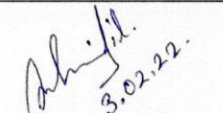
Name of Faculty In-charge : Dr. Dinkar J Gaikwad

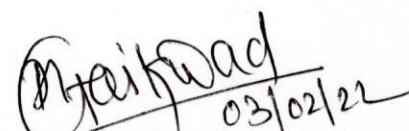
Labaroty Name: Crop Physiology & Plant Biochemistry

Name of lab In-Charge : Mr. Chiranjeevi Limma

Month: January, 2022

Sl. No.	Name of Equipment's	Manufacturing Date	Last Service Date	How often does it need Servicing	Condition of Lab Equipment
1	Sensitive balance (2)	29/10/18	One year after Installation	Once a year	Good
2	Hot air oven	20/03/18	----do----	Once a year	Good
3	Water bath (2)	05/02/18	----do----	Once a year	Need to repair a coils
4	Colori meter	07/08/18	----do----	Once a year	Good
5	Paper chromatography	20/03/18	----do----	Once a year	Good
6	pH meter (2)	16/07/18	----do----	Once a year	Good
7	Hair dryer	07/08/18	----do----	Once a year	Good
8	Spectrophotometer	15/02/15	----do--	Once a year	Good
9	Leaf area meter	20/02/15	---do---	Once a yaer	Good
10	UV Transilluminator	17/02/19	---do---	Once a year	Good
11	Paper Electrophoresis		----do--	Once a year	Good
12	Gel Electrophoresis		----do---	Once a year	Good

Sl.No.	Name of the Laboratory	Signature of the Technical In-Charge	Signature of the Faculty In-Charge
1.	Plant Physiology	 (Mr. Chiranjeevi Limma)	 (Mr. Chandrasekhar Sahu)
2	Plant Biochemistry	 (Mr. Chiranjeevi Limma)	 (Dr. Poulami Sil)


(Dr. Dinkar J Gaikwad)

Signature of HOD
Department
Crop Physiology & Plant Biochemistry
& Crop Physiology
MSSSoA, C.U.T.M

LABORATORY USAGE REPORT

Name of the Laboratory: Plant Pathology

Department/School: MSSSOA

Lab usage report for the month of January year 2022

No. of working hours of the month (1)	Total hours utilized in the month (2)	Utilised by Dept/ School (write the list in the table below) (3)	Utilised by (Program name & course name) (4)	No. of hours used by each of them as given in column (5)
90 hours	80 hours	MSSSOA	Bsc Ag (FP)	4 hours
		MSSSOA	Bsc Ag (DFHC)	18 hours
		MSSSOA	Bsc Ag (IPDM)	4 hours
		MSSSOA	Biofertilizer & pesticides	52 hours

Carstedt

Nardini

Perpetua

Orbital shaker	1	9/11/16		Once in 2 years	Working
Millipore filtration unit	1	25/10/16		Once in 2 years	Working
Refrigerator	1			Once in 2 years	Working
Occular meter	5	10/2/15		Once in 2 years	Working
Stage micrometer	5	10/2/15		Once in 2 years	Working
Camera lucida	5	10/2/15 8/12/18		Once in 2 years	Working
Slide rack	1	22/3/17		Once in 2 years	Working
Colorimeter	1			Once in 2 years	Working
Eletronic balance (3kg)	1	8/12/18		Once in 2 years	Working
Trinocular microscope (photo display camera)	1	8/12/18		Once in 2 years	Working
	2	8/12/18			

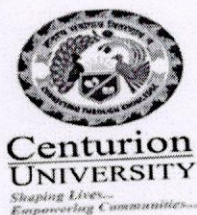
Signature of faculty in-charge

Signature of HoD

Signature of lab in-charge

Signature

		<u>January-2022</u>		
<u>S.No</u>	<u>Date</u>	<u>LAB</u>	<u>Experiment</u>	<u>Sign</u>
1	31/1/2022	FPP - F ₁ (9:30-11:30)	Gram staining	<u>Subs</u> 3/1/22
2	3/1/2022	DFHCM - F ₁ (7:30-9:30)	Disease of Rice	<u>Subs</u>
3	3/1/2022	DFHCM - F ₂ (2:30-4:30)	Basic technique	<u>Subs</u>
4	3/1/2022	FPP - F ₂ (2:30-4:30)	Staining	<u>Subs</u>
5	4/1/2022	DFHCM - B ₁ (11:30-1:30)	Slide preparation	<u>Subs</u>
6	4/1/2022	DFHCM - C ₁ (2:30-4:30)	Media preparation	<u>Subs</u>
7	5/1/2022	DFHCM - A ₂ (9:30-11:30)	Microscopy	<u>Subs</u>
8	5/1/2022	DFHCM B ₁ (11:30-1:30)	Microscopy	<u>Subs</u>
9	6/1/2022	T.P.D.M - F ₁ (9:30-11:30)	Theory	<u>Subs</u>
10	6/1/2022	I.P.D.M - D ₁ (11:30-1:30)	Theory	<u>Subs</u>
11	6/1/2022	DFHCM - G ₂ (1:30-3:30)	Slide preparation	<u>Subs</u>
12	7/1/2022	DFHCM - D ₂ (3:30-5:30)	Slide preparation	<u>Subs</u>
13	10/1/2022	Biofertilizer (AELP)	Media preparation	<u>Subs</u>
14	11/1/2022	Biofertilizer (AELP)	Media preparation	<u>Subs</u>
15	17/1/2022	Biopesticides (AELP)	Media preparation	<u>Subs</u>
16	18/1/2022	Biopesticides (AELP)	Inoculation	<u>Subs</u>
17	19/1/2022	Biofertilizer & pesticides (AELP)	Media preparation	<u>Subs</u>
18	20/1/2022	"	Inoculation	<u>Subs</u>
19	21/1/2022	Biofertilizer & Pesticides	Serial dilution	<u>Subs</u>
20	22/1/2022	Biofertilizer	Media preparation	<u>Subs</u>
22	24/1/2022	"	Media preparation	<u>Subs</u>
23	25/1/2022	Biopesticides	Media preparation	<u>Subs</u>
24	27/1/2022	Biofertilizer	"	<u>Subs</u>
25	28/1/2022	Biopesticides	Inoculation	<u>Subs</u>
26	29/1/2022	Biofertilizer	Media preparation	<u>Subs</u>
27	30/1/2022	Biofertilizer & pesticides	Serial dilution media preparation	<u>Subs</u>



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LABORATORY EQUIPMENT OK CERTIFICATE

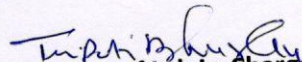
Department: Agronomy

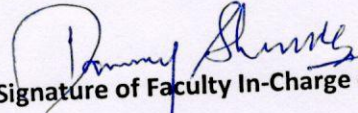
Name of Faculty In-Charge: Ms. Monalisa Sahoo

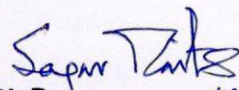
Laboratory Name: Agronomy lab

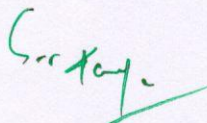
Name of Lab In-Charge: Mr. Tripati bhuyan

S.no	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab Equipment
1	DOUBLE RING INFILTRMETER	22-10-16	January 2022	EVERY 3 MONTH INTERVAL	OK
2	HOT AIR OVEN	22-10-16	January 2022		OK
3	TENSIOMETER	22-10-16	January 2022		OK
4	P ^H METER	22-10-16	January 2022		OK
5	EC METER	22-10-16	January 2022		OK
6	CORE SAMPLER	22-10-16	January 2022		OK
7	PARSHALL FLUME	22-10-16	January 2022	NO NEED	OK
8	RECTANGULAR WEIR	22-10-16	January 2022		OK
9	TRIANGULAR WEIR	22-10-16	January 2022		OK
10	TRAPEZOIDAL WEIR	22-10-16	January 2022		OK
11	MOISTURE METER	22-10-16	January 2022		OK


Signature of Lab In-Charge


Signature of Faculty In-Charge of Lab


Signature of HoD
01/12/22





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LABORATORY EQUIPMENT OK CERTIFICATE

Department: Agronomy
Laboratory Name: Agronomy lab

Name of Faculty In-Charge: Mr. Triptesh Mondal
Name of Lab In-Charge: Ms. Archana Behera

S.no	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab Equipment	
12.	ORIFICES	22-10-16	January 2022	NO NEED	OK	
13.	DIGITAL WEIGHT BALANCE	22-10-16	January 2022	EVERY 3 MONTH INTERVAL	OK	
14.	WATER BATH	22-10-16	January 2022		OK	
15.	SCREW AUGAR	22-10-16	January 2022		OK	
16.	HOT PLATE	22-10-16	January 2022		OK	
17.	MOISTURE BOX	22-10-16	January 2022		OK	
18.	WEIGHT BALANCE	22-10-16	January 2022		OK	
19.	PYCONOMETER	22-10-16	January 2022		OK	
20.	MESH AND TEST TUBE	22-10-16	January 2022		OK	
21.	KELPLUS (Nitrogen analyser)	20-10-17	January 2022		EVERY 3 MONTH INTERVAL	OK
22.	OIL EXTRACTION	20-10-17	January 2022			OK
23.	DIGESTION UNIT	20-10-17	January 2022	OK		
24.	LUX METER	20-10-17	January 2022		OK	
25.	ROTARY SHAKER	20-09-18	January 2022		Repair	
26.	FLAME PHOTOMETER	22-10-16	January 2022		OK	

Archana Behera
Signature of Lab In-Charge

Triptesh Mondal
Signature of Faculty In-Charge of Lab

Sapna Datta
Signature of HoD 01/02/2022

LABORATORY USAGE REPORT

Name of the Laboratory: AGRONOMY- I & II

Department/ School: DEPT.OF AGRONOMY

Lab usage report for the month: January

Year: 2022

No. of working hours of the month (1)	Total hours utilized in the month (2)	Utilized by Dept/ School (write the list in the table below) (3)	Utilized by (Program name & course name) (4)	No. of hours used by each of them as given in column (5)
M.Sc (Ag) and B.Sc(Ag.)	25	AGRONOMY M.Sc.	Modern concepts in crop production	0
			Principles and practices of weed	0
			Principles and practices of water	0
			Physiology of growth and yield	0
			Lab use for analysis (M.Sc.Ag. students)	25
		B.Sc	Fundamental of Agronomy	0

Anchana Behera

[Signature]
Signature of Lab In-Charge

[Signature]
Signature of HoD 01/02/22

Department: Horticulture

Laboratory Name: Post Harvest Lab

Name of the faculty in-charge : Dr. Anant Tamang

Sl.No.	Name of Equipment	Manufacturing Date	Last Service Date	How often does it need servicing	Condition of Lab Equipment
1	Autoclave	10-01-2019	02-20-2020	Monthly	Working
2	Bottle sealer	14-02-2016	06-03-2021	Quarterly	Working
3	Cylinder Gas	13-12-2015	06-03-2021	Monthly	Working
4	Juice extractor	28-01-2017	13-09-2019	Quarterly	Working
5	Mag-stirrer	21-12-2018	18-12-2019	Monthly	working
6	Mango Pulp machine	04-02-2016	13-12-2019	Quarterly	working
7	Mixer Grinder	16-02-2015	08-08-2021	Monthly	Working
8	pH meter	07-01-2017	28-08-2021	Monthly	Working
9	Poly pouch sealer	17-12-2014	28-11-2019	Quarterly	Working
10	Potato slicer	28-01-2017	26-03-2021	Quarterly	Working
11	Refractrometer	06-02-2014	30-04-2021	Quarterly	Working
12	Refrigerator	02-09-2-14	25-08-2021	Monthly	Working
13	Weighing balance	28-04-2018	09-04-2021	Monthly	Working
14	Water Bath	20-05-2018	07-07-2021	Monthly	Working

Signature of Lab - in-charge

Madhura Bachan Chinchani
Mr. Madhura Bachan Chinchani

Signature of faculty -in-charge

Dr. Anant Tamang

Signature of HOD

Dr. Nilanjana Datta

S. K. Datta

LABORATORY EQUIPMENT OK CERTIFICATE

Department: Horticulture

Laboratory Name: Fundamentals of Horticulture

Name of the faculty in-charge : Dr. Subhrajyoti Chatterjee

Sl.No.	Name of Equipment	Manufacturing Date	Last Service Date	How often does it need servicing	Condition of Lab Equipment
1	Hand sprayer	13-02-2016	11-04-2021	Monthly	Working
2	Pruning shear	19-06-2015	13-09-2017	Monthly	Working
3	Secateurs	18-09-2014	09-04-2021	Monthly	Working
4	Seed desiccator	09-05-2018	20-03-2021	Monthly	Working
5	Hedge Shear	03-08-2021	25-08-2021	Monthly	Working
6	Budding knives	03-11-2018	20-04-2021	Monthly	Working
7	Rose cans	04-10-2019	25-08-2021	Monthly	Working
8	Hand Hoe	29-10-2018	20-08-2021	Monthly	Working
9	Crow Bar	05-08-2021	05-08-2021	Monthly	Working
10	Sickle	05-08-2021	07-08-2021	Monthly	Working
11	Hand Saw	05-10-2019	26-08-2021	Monthly	Working
12	Garden Rake	10-03-2021	27-08-2021	Monthly	Working

Signature of Lab In-Charge

P.Vijayalakshmi

Madhura Behera Chatterjee

Signature of Faculty In-Charge

Dr. Subhrajyoti Chatterjee

Subhrajyoti Chatterjee
10.12.21

Signature of HOD

[Signature]

Dr. Nilanjana Dutta

LABORATORY EQUIPMENT OK CERTIFICATE

Department: Horticulture
Laboratory Name: MSc. Horticulture
Name of the faculty in-charge : Dr. Barsha Tripathy

Sl.No.	Name of Equipment	Manufacturing Date	Last Service Date	How often does it need servicing	Condition of Lab Equipment
1	Centrifuge	09-05-2018	30-04-2021	Quarterly	Working
2	Computer system	10-01-2018	02-03-2021	Quarterly	Working
3	Heater	09-05-2018	20-04-2021	Monthly	Working
4	Hot air oven	10-01-2018	30-04-2021	Monthly	Working
5	Mixer Grinder	05-08-2021	05-08-2021	Monthly	Working
6	Microscope	07-01-2017	09-04-2021	Monthly	Working
7	Chlorophyll content meter	05-12-2018	20-07-2021	Monthly	Working
8	Refractrometer	06-02-2014	30-04-2021	Quarterly	Working
9	Refrigerator	02-09-2-14	25-03-2021	Monthly	Working
10	Seed desiccator	09-05-2018	20-3-2021	Monthly	Working
11	Spectrophotometer	09-05-2018	30-04-2021	Monthly	Working
12	Water bath	07-01-2020	09-04-2021	Monthly	Working
13	Digital weighing Balance	20-07-2021	31-08-2021	Monthly	Not Working
14	Weighing balance	19-04-2018	20-07-2021	Monthly	Working
14	p ^H meter	02-08-2021	02-08-2021	Monthly	Working

Signature of Lab In-Charge :

P.Vijayalakshmi

Signature of Faculty In-Charge :

Dr. Barsha Tripathy

Signature of HOD :

Dr. Nilanjana Dutta

Madhura Basu Choudhary
Barsha
1.2.22

LABORATORY USAGE REPORT

Name of the Laboratory:

Department / School: **HORTICULTURE**

Lab usage report for the month of **January** year **2022**

No. of working hours of the month (1)	Total hours utilized in the month (2)	Utilised by Dept/ School (write the list in the table below) (3)	Utilised by (Program name & course name) (4)	No. of hours used by each of them as given in column (5)
<p style="text-align: center;">Tested 173 hours</p>	<p style="text-align: center;">99 hours due to lockdown</p>	Horticulture	MSc Horticulture Lab	26 hour
		Horticulture	BSc Horticulture Lab	34 hour
		Horticulture	Post Harvest Lab	39 hour



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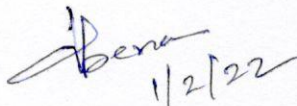
LABORATORY EQUIPMENT OK CERTIFICATE

Department: Soil Science & Agril. chem Name of faculty In charge: Monisankar Bera

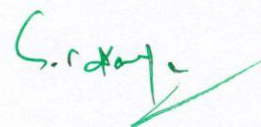
Laboratory Name: Soil Science & Agril. chem Name of lab In-charge: Kuladeep Bardhan

Name of equipment	Date of purchase	Last service Date	How often does it need servicing	Condition of lab equipment
pH meter	04/08/17	27/12/19	Quarterly	working
Conductivity meter	06/02/16	31/08/19	Quarterly	working
Spectrophotometer	22/08/13		Quarterly	working
Flame photometer	31/08/13	18/02/19	Quarterly	working
Rotary shaker	01/09/14	29/12/21	Yearly	working
Kelplus nitrogen distillation unit	05/03/16		Quarterly	working
Hot plate	02/02/19		Yearly	working
Mechanical stirrer	25/08/13		Yearly	working
Electronic balance	04/08/17	29/12/21	Quarterly	working
Digital balance	02/08/17		Quarterly	working
Hot air oven	06/08/17	18/02/19	Yearly	working
Water bath	02/02/19		Yearly	working
Distilled water unit	04/08/17		Yearly	Not working

Kuladeep Bardhan 01.02.22
Signature of lab In-charge


1/2/22
Signature of faculty In-charge
(Monisankar Bera)

Fen,
Anunabha Pal.
01.02.22.
Signature of HOD
Dept. of Soil Science &
Agricultural Chemistry
MSSSoA CUTM



LABORATORY USAGE REPORT

Name of the laboratory: soil science laboratory

Department/school: Dept. of Soil Science & Agril. Chemistry

Lab usage report for the month of January, 2021

No. of working hours of the month	Total hours utilized in the month	Utilized by Dept./school(write the list in the table below)	Utilized by (program name & course name)	No. of hours by each of them as given in column
168 hours	50 hours	MSSSoA, B.Sc(Agriculture)	Fundamental of Soil Science	16 hours
		MSSSoA, B. Sc (Agriculture)	Manures, Fertilizer and Soil Fertility Management	16 hours
		Other	M.Sc (Ag), AELP etc	18 hours
		Total		50 hours

Hoena
1/2/22

Kuladeep Bardhan
01.02.22

Dr. Anushe Pat.
01.02.22.



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LABORATORY EQUIPMENT OK CERTIFICATE

Department : Genetics and plant breeding

Name of Faculty In-charge : Mr. Durga dutta Meher

Labaroty Name: Genetics and plant breeding

Name of lab In-Charge : Mr. Bhanuprasad bisoyi

Month: January 2022

Sl.No.	Name of equipment	Manufacturing Date	Last Service date	How often does it need Servicing	Condition of lab Equipment
1.	Simple microscope	26/12/14	One year after Installation	Once a year	Good
2.	Compound microscope	13/08/15	----do----	Once a year	Good
3.	Binocular microscope	26/12/14	----do----	Once a year	Good
4.	Microtome	06/09/19	----do----	Once a year	Good
5.	Electronic weighing machine(0.08gm-200gm)	06/09/18	----do----	Once a year	Good
6.	Water distillation	19/06/2017	----do----	Once a year	Good
7.	Refrigerator	29/01/2018	----do----	Once a year	Good

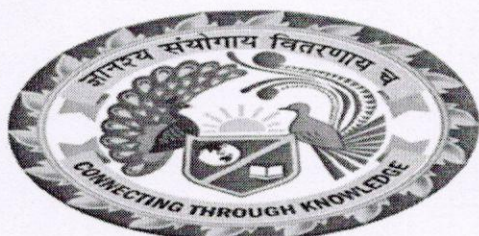
Sl.No.	Name of the Laboratory	Signature of the Technical In-Charge	Signature of the Faculty In-Charge
1.	Genetic and Plant breeding	Bhanu Prasad bisoyi 03/02/2022 (Mr. Bhanuprasad Bisoyi)	OK Durga Meher (Mr.Durga dutta Meher)

K. Krishnam Raju
(Dr. K.krishnam raju) *3/1/22*

Signature of HOD

Genetics and Plant Breeding & Seed Science and Technology

Sridhar



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LABORATORY EQUIPMENT OK CERTIFICATE

Department : Seed Science and Technology

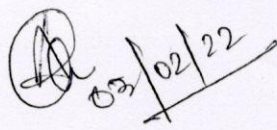
Name of Faculty In-charge : Dr. P. Susmita

Labaroty Name : Seed Science and Technology

Name of lab In-Charge : Mr. Bhanuprasad bisoyi

Month : January 2022

Sl.No.	Name of equipment	Manufacturing Date	Last Service date	How often does it need Servicing	Condition of lab Equipment
1.	Auto Calibration digital seed moisture meter	08/2016	One year after Installation	Once a year	Not working
2.	Automatic Seed counter	08/2016	----do----	Once a year	Good
3.	Seed Germinator	04/2015	----do----	Once a year	Good
4.	Purity work board	08/ 2016	----do----	Once a year	Good
5.	Seed divider bonier type	08/2016	----do----	Once a year	Good
6.	Seed divider gamete type	08/2016	----do----	Once a year	Good
7.	Seed divider riffle type	07/2016	----do----	Once a year	Good
8.	Seed dryer	10/03/2017	----do----	Once a year	Good
9.	Water distillation	19/06/2017	----do----	Once a year	Good
10.	Refrigerator	29/01/2018	----do----	Once a year	Good

Sl.No.	Name of the Laboratory	Signature of the Technical In-Charge	Signature of the Faculty In-Charge
1.	Seed Science and Technology	Bhanu Prasad bisoyi 03/02/2022 (Mr. Bhanuprasad Bisoyi)	 (Dr. P. Susmita)

K. Krishnam Raju 3/2/22
(Dr. k.krishnam raju)

Signature of HOD

Genetics and Plant Breeding & Seed Science and Technology



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Paralakhemundi

M S Swaminathan School of Agriculture



Laboratory Equipment Ok Certificate for the Month of: January

- A. Department Name : Fisheries Science
 B. Name of Faculty In-Charge : Sagarika Swain
 C. Laboratory Name : Aquaculture Lab
 D. Name of Lab. In-Charge : Manikandha Baxi

	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab. Equipment
1.	Weighing Balance.	27.10.17	17.09.18	6 Months	Working
2.	Refractometer.	27.10.17	17.09.18	3 Months	Working.
3.	D.O. Meter.	27.10.17	17.09.18	6 Months	Working.
4.	Conductivity Meter.	27.10.17	17.09.18	6 Months	Working
5.	Magnetic Stirrer.	27.10.17	17.09.18	6 Months	Not Working
6.	Compound Microscope	27.10.17	17.09.18	6 Months	Working
7.	Digital pH Meter.	27.10.17	17.09.18	6 Months	Working.

Manikandha Baxi
 Signature of Lab In-Charge
 School of Fisheries
 Paralakhemundi, Dt-Gajapati
 Odisha, Pin-761211
 Signature of HOD

Sagarika Swain
 Signature of Faculty-in-Charge of Lab
 Dean(Admin.), MSSSoA



Laboratory Equipment Ok Certificate for the Month of: January

- A. Department Name : Fisheries Science.
- B. Name of Faculty In-Charge : Houzanur Islam
- C. Laboratory Name : Fish Processing Lab.
- D. Name of Lab. In-Charge : Momti Komtha Baxi

Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab. Equipment
1. Deep Freezer.	17.09.18	09.02.19.	6 Months	Working
2. Vacuum Packing	13.04.19	15.10.19	6 Months	Working
3. Fish Deboner.	10.05.19	15.10.19	6 Months	Working
4. Weighing Balance	27.07.21	-	6 Months	Working
5. Miken Grinder.	27.07.21	-	6 Months	Working
6. Seal Machine.	12.08.21	-	6 Months	Working

Momti Komtha Baxi
Signature of Lab In-Charge
M S Swaminathan
Signature of HOD

Houzanur Islam
Signature of Faculty-in-Charge of Lab
G. G. G.
Dean(Admin.), MSSSoA



Laboratory Equipment Ok Certificate for the Month of : *January, 2022*

- A. Department Name : *Fisheries Science*
- B. Name of Faculty In-Charge : *Shashank Singh*
- C. Laboratory Name : *Aquatic Environment Management Lab.*
- D. Name of Lab. In-Charge : *Mamikaantha Bora*

Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab. Equipment
<i>1. Kieselhaus Digestion unit</i>	<i>17.09.18</i>	<i>09.02.19</i>	<i>6 Months</i>	<i>Working</i>
<i>2. Soxhlet Extraction</i>				
<i>unit.</i>	<i>17.09.18</i>	<i>09.02.19</i>	<i>6 Months</i>	<i>Working</i>

Mamikaantha Bora
Signature of Lab In-Charge

[Signature]
Signature of HOD

[Signature]
Signature of Faculty-in-Charge of Lab

[Signature]
Dean(Admin.), MSSSoA

HEAD
School of Fisheries
CUTA, Paralakhemundi, Dt-Gajapati
Odisha, Pin-761211



Laboratory Equipment Ok Certificate for the Month of : January.

- A. Department Name : Fisheries Science
 B. Name of Faculty In-Charge : Sambid Swain
 C. Laboratory Name : Aquatic Animal Health Management Lab.
 D. Name of Lab. In-Charge : Momikamtha Baxi

	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab. Equipment
1.	Digital pH Meter.	27.10.17	23.12.18	6 Months	Working
2.	Conductivity Meter.	27.10.17	02.04.19.	6 Months	Working.
3.	Compound Microscope	27.10.17	02.04.19.	6 Months	Working
4.	Refractometer.	27.10.17	09.02.19	3 Months	Working
5.	Homogenizer.	17.09.18	09.02.19	6 Months	Working
6.	Microtome	29.12.17	27.12.18	6 Months	Working
7.	Hot Bin oven.	27.10.17.	23.12.18	6 Months	Working
8.	Water Bath	17.09.18	23.12.18.	6 Months	Working
9.	Autoclave	17.09.18	09.02.18	6 Months	Not Working
10.	Digital colony counter.	17.09.18	09.02.18	6 Months	Working.
11.	Precision Weighing Balance	27.10.17.	17.09.18	6 Months	Working.
12.	Distillation Unit.	11.01.21	-	6 Months	Not Working

Momikamtha Baxi
 Signature of Lab In-Charge
 HEAD
 School of Fisheries
 CUTM, Paralakhemundi, Dt-Gajapati
 Odisha, Pin-761211

Sambid Swain
 Signature of Faculty In-Charge of Lab
 Dean (Admin.), MSSSOA



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LABORATORY EQUIPMENT OK CERTIFICATE

Department: Biotechnology Laboratory

HOD: Dr. Satyabrata Nanda

Name of Faculty In-Charge: Dr. Satyabrata Nanda

Laboratory Name: Biotechnology Laboratory

Name of Lab In-Charge: Ms. Swapna Rani Nag

Month: January-2022

S. R. Nag

Sl.No.	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of lab Equipment
1.	-80 C Freezer	12/2016	27/11/2021	Once a year	Working
2.	-20 CFreezer	12/2016	One year	Once a year	Working
3.	Laminar air flow	12/2016	do-----	Once a year	Working
4.	Centrifuge	05/2016	do-----	Once a year	Working
5.	Cooling Centrifuge	09/2017	do-----	Once a year	Working
6.	Microfuge	29/2017	do-----	Once a year	Working
7.	Ice Flaking Machine	07/2016	do-----	Once a year	Working
8.	RT-PCR	03/2016	do-----	Once a year	Working
9.	PCR	01/2015	do-----	Once a year	Working
10.	Gradient PCR	05/2017	do-----	Once a year	Working
11.	Gel Electrophoresis	12/2015	do-----	Once a year	Working
12.	Gel Documentation System	04/2017	do-----	Once a year	Working
13.	Thermostatic Water Bath	12/2016	do-----	Once a year	Working
14.	Oil Bath	14/2017	do-----	Once a year	Needs to repaired
15.	Hybridization Blot	08/2016	do-----	Once a year	Working
16.	Vortex machine	01/2017	do-----	Once a year	Working
17.	Spectrophotometer	01/2014	do-----	Once a year	Working
18.	Microwave oven	01/2017	do-----	Once a year	Working
19.	Electronic Balance	25/2016	do-----	Once a year	Working
20.	Orbital Shaking incubator	02/2017	do-----	Once a year	Working
21.	Portable Autoclave	31/2017	do-----	Once a year	Needs to repaired
22.	Digital PH Meter	11/2021	do-----	Once a year	Working
23.	Weigh Balance	11/2021	do-----	Once a year	Working
24.	Double Distillation Apparatus	11/2021	do-----	Once a year	Working

Signature of Lab In-Charge

[Signature]
01/02/2022

Signature of Faculty-In-Charge of Lab

[Signature]
01.02.22

Signature of HOD

[Signature]
01.02.22

Head of the Department
Dept. of Biotechnology
MSSSOA, CUTM,
Paralakhemundi, Odisha



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LABORATORY EQUIPMENT OK CERTIFICATE

Laboratory Name: Phytopharma Lab

Name of Faculty In-Charge: Dr. Preetha Bhadra

Name of Lab In-Charge: Ms. Swapna Rani Nag

Month: January-2021

Sl.No.	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of lab Equipment
1	Probe Sonicator	06/04/2021	Once in 6 th months after installation	Every six Months Interval	Good
2	Liophiliser	06/04/2021	----do----	Every six Months Interval	Good

3	Freezer Dryer	16/08/2021
4	Centrifuge	06/04/2021
5	Digital Rotational Viscometer	06/04/2021
6	Magnetic Stirrer	06/04/2021
7	Weigh Balance	06/04/2021
8	Rota vapour	06/04/2021
9	Refrigerated Centrifuge	06/04/2021
11	Ultrasonic Bath	06/04/2021
12	Hot Air Oven	06/04/2021
13	Homogenizer	06/04/2021
14	Lab Stirrer	06/04/2021
15	UV/VIS Spectrophotometer	06/04/2021

16	HPLC	06/04/2021	----do----	Every six Months Interval	Good
17	Dissolution Test Apparatus	06/04/2021	----do----	Every six Months Interval	Good
18	Data Printer	06/04/2021	----do----	Every six Months Interval	Needs to be Repaired
19	Soxhlet Extraction Apparatus	21/01/2022	----do----	Every six Months Interval	Good
20	Chromatography Column	21/01/2022	----do----	Every six Months Interval	Good
21	Reflux Assembly	21/01/2022	----do----	Every six Months Interval	Good
22	Paper Chromatography Cabinet	21/01/2022	----do----	Every six Months Interval	Good
23	Digital P ^H Meter	21/01/2022	----do----	Every six Months Interval	Good

Signature of Lab In-Charge

M. S. Swaminathan
02/02/2022

Signature of Faculty In-Charge of Lab

M. S. Swaminathan

In-Charge of the Pharmacy Lab
Department of Biotechnology
M. S. Swaminathan School of Agriculture
CUTM, Paralakhemundi, Gajapati
Odisha, Pin-761211

Centurion University of Technology and Management
M S Swaminathan School of Agriculture
Laboratory Equipment Ok Certificate


Date: 04.05.2022


To,

The Registrar
CUTM, Paralakhemundi

The following departments of M S Swaminathan School of Agriculture are given their laboratory equipment Ok certificate. The list is attached here with. Please release the salary of School of Agriculture for the month of April 2022.

1. Crop Physiology and Bio Chemistry
2. Plant Pathology
3. Agronomy
4. Horticulture
5. Agricultural Chemistry and Soil Science
6. Genetics and Plant Breeding and Seed Science & Technology
7. Entomology
8. Fishery Department
9. Biotechnology
10. Agricultural Microbiology
11. Phytopharmaceuticals


Dean(Admin.), MSSoA


~~Approved / Not Approved~~

Registrar

LABORATORY EQUIPMENT OK CERTIFICATE

Department : Crop Physiology & Biochemistry


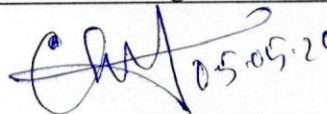

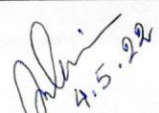
Name of Faculty In-charge : Dr. Dinkar J. Gaikwad

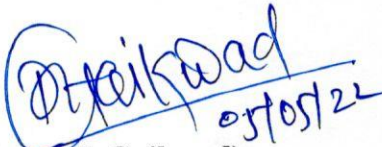
Labaroty Name: Crop Physiology & Plant Biochemistry

Name of lab In-Charge : Mr. Chiranjeevi Limma

Month: April, 2022

Sl. No.	Name of Equipment's	Manufacturing Date	Last Service Date	How often does it need Servicing	Condition of Lab Equipment
1	Sensitive balance (3)	29/10/18	One year after Installation	Once a year	Need to replace battery in one balance.
2	Hot air oven (2)	20/03/18	----do----	Once a year	Good
3	Water bath (2)	05/02/18	----do----	Once a year	Coil is brought but not fixed yet.
4	Colori meter	07/08/18	----do----	Once a year	Good
5	Paper chromatography	20/03/18	----do----	Once a year	Good
6	pH meter (2)	16/07/18	----do----	Once a year	Good
7	Hair dryer	07/08/18	----do----	Once a year	Good
8	Seed Germinator		29.04.2022	Once a year	Good
9	Leaf area meter	20/02/15	---do---	Once a yaer	Good
10	UV Transilluminator	17/02/19	---do---	Once a year	Good
11	Paper Electrophoresis		----do--	Once a year	Good
12	Gel Electrophoresis		----do---	Once a year	Good

Sl.No.	Name of the Laboratory	Signature of the Technical In-Charge	Signature of the Faculty In-Charge
1.	Plant Physiology	 (Mr. Chiranjeevi Limma)	 (Mr. Chandrasekhar Sahu)
2	Plant Biochemistry	 (Mr. Chiranjeevi Limma)	 (Dr. Poulami Sil)


(Dr. Dinkar J. Gaikwad)

Signature of HOD
Department of Crop Physiology
& Plant Biochemistry
MSSoA, CUTM





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LABORATORY EQUIPMENT

Department: PLANT PATHOLOGY

Name of faculty in-charge: *I. Venkatesh*

Laboratory name : PLANT PATHOLOGY

Name of lab in-charge: *Radhakrishna Punigam*

Name of Equipment	No.	Manufacturing Date (Date of purchase)	Last Service Date	How Often does it need servicing	Condition of Lab Equipment
Autoclave	2	22/8/13 22/3/17	25/8/2015	Once in 2 years	Working
Hot air oven	1	22/3/17		Once in 2 years	Working
Incubator	1	-----		Once in 2 years	<u>Working</u>
Cooling incubator	1	8/12/18			(under repair)
Laminar air flow chamber	1	-----		Once in 2 years	Working
Microtome	1	2/1/17		Once in 2 years	Working
Digital balance	2	12/9/13 8/12/18		Once in 2 years	Working
pH meter	2	12/9/13 21/12/16		Once in 2 years	Working
Student Microscopes	19	5/1/16 1/2/17		Once in 2 years	<u>Working</u>
(Stereo) binocular microscope	5	10/2/15 8/12/18			Binocular - 1 microscope lamp (light) Repair.
Centrifuge	2	22/8/13 8/12/18		Once in 2 years	Working

S. S. S.

LABORATORY USAGE REPORT

Name of the Laboratory: Plant Pathology Laboratory.

Department/ School: MSSSOA

Lab usage report for the month of April year 2022

No. of working hours of the month (1)	Total hours utilized in the month (2)	Utilised by Dept/ School (write the list in the table below) (3)	Utilised by (Program name & course name) (4)	No. of hours used by each of them as given in column (5)	
72 hours	65 hours	MSSSOA	DFTCM (4 sem)	6 hours	
		MSSSOA	IPDM (6th sem)	2 hours	
		MSSSOA	Fisheries	1 hour	
		MSSSOA	fpp	2nd sem	40 hours
		MSSSOA		External Extn Sem	16 hours

[Signature]

[Signature]

APRIL-2022

35

<u>Signature</u>	<u>SLN</u>	<u>Date</u>	<u>LAB</u>	<u>Experiment</u>	<u>Sign</u>
	1	2/4/2022	DFHCM-A ₂ (9.30-11.30)	Slide preparation	Kas
	2	4/4/2022	AMB-A ₁ (11.30-1.30)	Media preparation	Bpu
	3	4/4/2022	fisheries (3.30-4.30)	Autoclave	Nandini
	4	5/4/2022	DFHCM-B ₁ (11.30-1.30)	Revision	Kas
	5	5/4/2022	AMB-A ₁ (1.30-3.30)	Azotobacter Media	Bpu
	6	6/4/2022	DFHCM-B ₂ (11.30-1.30)	Revision	Kas
	7	7/4/2022	TPDM-F ₂ (9.30-11.30)	Presentation	Kas
	8	11/4/2022	External Exam (9.30-11.30)	} Exam	Kas
	9	12/4/2022	External Exam (9.30-11.30)		Kas
	10	13/4/2022	AMB-A ₂ (1.30-3.30)	Azotobacter media	Bpu
	11	13/4/2022	AMB-B ₁ (11.30-1.30)	Media preparation	Kas
	12	13/4/2022	AMB-E ₂ (1.30-3.30)	Media preparation	Kas
	13	16/4/2022	AMB-B ₂ (9.30-11.30)	Sterilization	Kas
	14	16/4/2022	AMB-D ₂ (2.30-4.30)	Sterilization	Kas
	15	18/4/2022	AMB-A ₁ (11.30-1.30)	Sterilization Media preparation	Bpu
	16	18/4/2022	AMB-C ₁ (2.30-3.30)	Media preparation	Kas
	17	18/4/2022	AMB-E ₁ (11.30-1.30)	Media preparation	Kas
	18	19/4/2022	AMB-A ₂ (1.30-3.30)	Media preparation	Bpu
	19	20/4/2022	AMB-B ₁ (11.30-1.30)	Media preparation	Kas
	20	20/4/2022	AMB-E ₂ (1.30-3.30)	Media preparation	Kas
	21	21/4/2022	AMB-D ₁ (1.30-3.30)	Media preparation	Kas
	22	21/4/2022	AMB-F ₁ (3.30-5.30)	Media preparation	Bpu
	23	22/4/2022	AMB-F ₂ (11.30-1.30)	Media (sterilization) preparation	Bpu
	24	22/4/2022	AMB-G ₂ (1.30-3.30)	Sterilization	Kas
	25	23/4/2022	AMB-B ₂ (9.30-11.30)	Media Preparation	Kas
	26	23/4/2022	AMB-D ₂ (2.30-4.30)	Media Preparation	Kas
	27	25/4/22	AMB-A ₁ (11.30-1.30)	Inoculation	Bpu
	28	25/4/22	AMB-C ₁ (1.30-3.30)	Media preparation	Kas
	29	26/4/22	AMB-F ₁ (11.30-1.30)		Kas

LABORATORY EQUIPMENT OK CERTIFICATE [APRIL-2022]

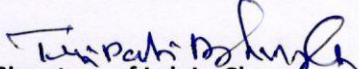
Department: Agronomy

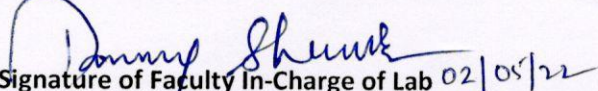
Name of Faculty In-Charge: Ms. Monalisa Sahoo

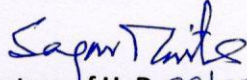
Laboratory Name: Agronomy lab

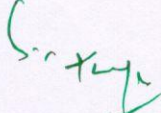
Name of Lab In-Charge: Mr. Tripati bhuyan

S.no	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab Equipment
1	DOUBLE RING INFILTRMETER	22-10-16	APRIL 2022	EVERY 3 MONTH INTERVAL	OK
2	HOT AIR OVEN	22-10-16	APRIL 2022		OK
3	TENSIOMETER	22-10-16	APRIL 2022		OK
4	P ^H METER	22-10-16	APRIL 2022		OK
5	EC METER	22-10-16	APRIL 2022		OK
6	CORE SAMPLER	22-10-16	APRIL 2022		OK
7	PARSHALL FLUME	22-10-16	APRIL 2022	NO NEED	OK
8	RECTANGULAR WEIR	22-10-16	APRIL 2022		OK
9	TRIANGULAR WEIR	22-10-16	APRIL 2022		OK
10	TRAPEZOIDAL WEIR	22-10-16	APRIL 2022		OK
11	MOISTURE METER	22-10-16	APRIL 2022		OK


Signature of Lab In-Charge


Signature of Faculty In-Charge of Lab 02/05/22


Signature of HoD 02/05/2022



LABORATORY EQUIPMENT OK CERTIFICATE

Department: Agronomy

Name of Faculty In-Charge: Mr. Triptesh Mondal

Laboratory Name: Agronomy lab

Name of Lab In-Charge: Ms. Archana Behera

S.no	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab Equipment	
12.	ORIFICES	22-10-16	APRIL 2022	NO NEED	OK	
13.	DIGITAL WEIGHT BALANCE	22-10-16	APRIL 2022	EVERY 3 MONTH INTERVAL	OK	
14.	WATER BATH	22-10-16	APRIL 2022		OK	
15.	SCREW AUGAR	22-10-16	APRIL 2022		OK	
16.	HOT PLATE	22-10-16	APRIL 2022		OK	
17.	MOISTURE BOX	22-10-16	APRIL 2022		OK	
18.	WEIGHT BALANCE	22-10-16	APRIL 2022		OK	
19.	PYCONOMETER	22-10-16	APRIL 2022		OK	
20.	MESH AND TEST TUBE	22-10-16	APRIL 2022		OK	
21.	KELPLUS (Nitrogen analyser)	20-10-17	APRIL 2022		EVERY 3 MONTH INTERVAL	OK
22.	OIL EXTRACTION	20-10-17	APRIL 2022			OK
23.	DIGESTION UNIT	20-10-17	APRIL 2022	OK		
24.	LUX METER	20-10-17	APRIL 2022		OK	
25.	ROTARY SHAKER	20-09-18	January 2022		Repair	
26.	FLAME PHOTOMETER	22-10-16	March 2022		Repair	

Archana Behera
02/05/2022
Signature of Lab In-Charge

Triptesh Mondal
02/05/2022
Signature of Faculty In-Charge of Lab

Sapn Zinta
02/05/2022
Signature of HoD

S. K. Singh

LABORATORY USAGE REPORT

Name of the Laboratory: AGRONOMY- I & II

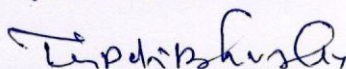
Department/ School: DEPT.OF AGRONOMY

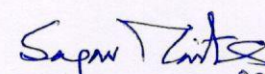
Lab usage report for the month: APRIL

Year: 2022

No. of working hours of the month (1)	Total hours utilized in the month (2)	Utilized by Dept/ School (write the list in the table below) (3)	Utilized by (Program name & course name) (4)	No. of hours used by each of them as given in column (5)
M.Sc (Ag) and B.Sc(Ag.)	223	AGRONOMY	Management of problem soils and water	8
			Agronomy of major cereals and pulses	8
			Agronomy of oil seed, fibre and sugarcane crops	8
			Lab use for analysis (M.Sc.Ag. students)	55
		B.Sc	Introductory Agro meteorology and climate change	48
			Irrigation water management	96

Arachana Behera


Signature of Lab In-Charge


Signature of HoD 02/05/22

Department: Horticulture

Laboratory Name: Post Harvest Lab

Name of the faculty in-charge : Dr. Anant Tamang

Sl.No.	Name of Equipment	Manufacturing Date	Last Service Date	How often does it need servicing	Condition of Lab Equipment
1	Autoclave	10-01-2019	02-02-2020	Monthly	Working
2	Bottle sealer	14-02-2016	06-03-2021	Quarterly	Working
3	Cylinder Gas	13-12-2015	16-03-2022	Monthly	Working
4	Juice extractor	28-01-2017	13-09-2019	Quarterly	Working
5	Mag-stirrer	21-12-2018	18-12-2019	Monthly	working
6	Mango Pulp machine	04-02-2016	13-12-2019	Quarterly	working
7	Mixer Grinder	16-02-2015	08-08-2021	Monthly	Working
8	pH meter	07-01-2017	28-08-2021	Monthly	NOT Working
9	Poly pouch sealer	17-12-2014	28-11-2019	Quarterly	Working
10	Potato slicer	28-01-2017	26-03-2021	Quarterly	Working
11	Refractrometer	06-02-2014	30-04-2021	Quarterly	Working
12	Refrigerator	12-03-2022	12-03-2022	Monthly	Working
14	Water Bath	20-05-2018	07-07-2021	Monthly	Working
15	Hot Air Oven	09-01-2017	03-04-2020	Monthly	Working
16	Apple Cutter	20-11-2021	12-04-2022	Monthly	Working

Signature of Lab - in-charge

Mr. Madhura Bachan Chinchani

Signature of faculty -in-charge

Dr. Anant Tamang

Signature of HOD

Dr. Nilanjana Datta

Madhura Bachan Chinchani

S. K. Ch

LABORATORY EQUIPMENT OK CERTIFICATE

Department: Horticulture

Laboratory Name: Fundamentals of Horticulture

Name of the faculty in-charge : Dr. Subhrajyoti Chatterjee

Sl.No.	Name of Equipment	Manufacturing Date	Last Service Date	How often does it need servicing	Condition of Lab Equipment
1	Hand sprayer	13-02-2016	11-04-2021	Monthly	Working
2	Pruning shear	19-06-2015	13-09-2017	Monthly	Working
3	Secateurs	18-09-2014	09-04-2021	Monthly	Working
4	Seed desiccator	09-05-2018	20-03-2021	Monthly	Working
5	Hedge Shear	03-08-2021	25-08-2021	Monthly	Working
6	Budding knives	03-11-2018	20-04-2021	Monthly	Working
7	Rose cans	04-10-2019	25-08-2021	Monthly	Working
8	Hand Hoe	29-10-2018	20-08-2021	Monthly	Working
9	Crow Bar	05-08-2021	05-08-2021	Monthly	Working
10	Sickle	05-08-2021	07-08-2021	Monthly	Working
11	Hand Saw	05-10-2019	26-08-2021	Monthly	Working
12	Garden Rake	10-03-2021	27-08-2021	Monthly	Working

Signature of Lab In-Charge

Signature of Faculty In-Charge

Signature of HOD

Oggu Keerthi Priya

Dr. Subhrajyoti Chatterjee

Dr. Nilanjana Dutta

LABORATORY EQUIPMENT OK CERTIFICATE

Department: Horticulture
Laboratory Name: MSc. Horticulture
Name of the faculty in-charge : Dr. Barsha Tripathy

Sl.No.	Name of Equipment	Manufacturing Date	Last Service Date	How often does it need servicing	Condition of Lab Equipment
1	Centrifuge	09-05-2018	30-04-2021	Quarterly	Working
2	Computer system	10-01-2018	02-03-2021	Quarterly	Working
3	Heater	09-05-2018	20-04-2021	Monthly	Working
4	Hot air oven	10-01-2018	30-04-2021	Monthly	Working
5	Mixer Grinder	05-08-2021	05-08-2021	Monthly	Working
6	Microscope	07-01-2017	09-04-2021	Monthly	Working
7	Chlorophyll content meter	05-12-2018	20-07-2021	Monthly	Working
8	Refractrometer	06-02-2014	30-04-2021	Quarterly	Working
9	Refrigerator	02-09-2-14	25-03-2021	Monthly	Working
10	Seed desiccator	09-05-2018	20-3-2021	Monthly	Working
11	Spectrophotometer	09-05-2018	30-04-2021	Monthly	Working
12	Water bath	07-01-2020	09-04-2021	Monthly	Working
13	Digital weighing Balance	20-07-2021	31-08-2021	Monthly	Not Working
14	Weighing balance	19-04-2018	20-07-2021	Monthly	Working
14	p ^H meter	02-08-2021	02-08-2021	Monthly	Working

Signature of Lab In-Charge :

Oggu Keerthi Priya

Signature of Faculty In-Charge :

Dr. Barshs Tripathy

Signature of HOD :

Dr. Nilanjana Dutta

*Madhura Bachay
Chinchari*

*N. Chivaree
Nilanjana Dutta*

LABORATORY USAGE REPORT

Name of the Laboratory:

Post Harvest Lab / B.Sc Horticulture / M.Sc Horticulture

Department / School: Horticulture

April

Lab usage report for the month of April - year 2022

No. of working hours of the month (1)	Total hours utilized in the month (2)	Utilised by Dept/ School (write the list in the table below) (3)	Utilised by (Program name & course name) (4)	No. of hours used by each of them as given in column (5)
162 hours	157 hours	Post Harvest Lab		58
		B.Sc Horticulture		37
		M.Sc Horticulture		62



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LABORATORY EQUIPMENT OK CERTIFICATE

Department: Soil Science & Agril. Chem. Name of faculty In charge: Limbraj Parshuram Pholane

Laboratory Name: Soil Science & Agril. Chem. Name of lab In-charge: Kuladeep Bardhan

Name of equipment	Date of purchase	Last service Date	How often does it need servicing	Condition of lab equipment
pH meter	04/08/17	27/12/19	Quarterly	working
Conductivity meter	06/02/16	31/08/19	Quarterly	working
Spectrophotometer	22/08/13		Quarterly	working
Flame photometer	31/08/13	18/02/19	Quarterly	working
Rotary shaker	01/09/14	29/12/21	Yearly	working
Kelplus nitrogen distillation unit	05/03/16		Quarterly	working
Hot plate	02/02/19		Yearly	working
Mechanical stirrer	25/08/13		Yearly	working
Electronic balance	04/08/17	29/12/21	Quarterly	working
Digital balance	02/08/17		Quarterly	working
Hot air oven	06/08/17	18/02/19	Yearly	working
Water bath	02/02/19		Yearly	working
Distilled water unit	04/08/17		Yearly	Not working

Kuladeep Bardhan ^{04.05.22}

Signature of lab In-charge

Limbraj Parshuram Pholane

Signature of faculty In-charge

Dr. Anil Kumar Singh
Signature of HOD

Limbraj Parshuram Pholane

LABORATORY USAGE REPORT

Name of the laboratory: soil science laboratory

Department/school: Dept. of Soil Science & Agril. Chemistry

Lab usage report for the month of April, 2022

No. of working hours of the month	Total hours utilized in the month	Utilized by Dept./school (write the list in the table below)	Utilized by (program name & course name)	No. of hours by each of them as given in column	
176 hours	120 hours	MSSSoA, B.Sc (Agriculture)	Manures, Fertilizers and Soil Fertility Management	34 hours	
		M.Sc (Agronomy)	Management of Problem soil and water	10 hours	
		MSSSoA, B.Sc (Agriculture)	Environmental studies and disease management	18 hours	
		B. Tech (Ag)	Fundamental of soil Science	8 hours	
		Other	Soil Testing	50 hours	
		Total			120 hours

Kuladeep Bardhan
04.05.22

Rahul Adhikary
9/05/2022



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Empowering Communities!*



LABARATORY EQUIPM,ENT OK CIRTIFICATE

Department : Genetics and plant breeding

Name of Faculty In-charge :Mr. Durga Dutta Meher

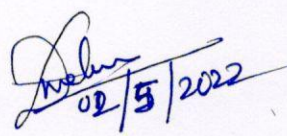
Labaroty Name: Genetics and plant breeding

Name of lab In-Charge : Mr. Bhanuprasad bisoyi

Month: April 2022

Sl.No.	Name of equipment	Manufacturing Date	Last Service date	How often does it need Servicing	Condition of lab Equipment
1.	Simple microscope	26/12/14	One year after Installation	Once a year	Good
2.	Compound microscope	13/08/15	----do----	Once a year	Good
3.	Binocular microscope	26/12/14	----do----	Once a year	2 microscope not working
4.	Microtome	06/09/19	----do----	Once a year	Not working
5.	Electronic weighing machine(0.08gm-200gm)	06/09/18	----do----	Once a year	Good
6.	Water distillation	19/06/2017	----do----	Once a year	Good
7.	Refrigerator	29/01/2018	----do----	Once a year	Good

S. D. Meher

1.	Genetic and Plant breeding	Bhanuprasad Bisoi 02/05/2022 (Mr. Bhanuprasad Bisoi)	 02/5/2022 (Mr. Durga datta Meher)
----	-------------------------------	--	---

K. Krishnam Raju 4/05/2022
(Dr. K. Krishnamraju)

Signature of HOD

Genetics and Plant Breeding & Seed Science and Technology



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LABORATORY EQUIPMENT OK CERTIFICATE

Department : Seed Science and Technology

Name of Faculty In-charge : Dr. P. Susmita

Labaroty Name : Seed Science and Technology

Name of lab In-Charge : Mr. Bhanuprasad bisoyi

Month : April 2022

Sl.No.	Name of equipment	Manufacturing Date	Last Service date	How often does it need Servicing	Condition of lab Equipment
1.	Auto Calibration digital seed moisture meter	08/2016	One year after Installation	Once a year	Not working
2.	Automatic Seed counter	08/2016	----do----	Once a year	Good
3.	Seed Germinator	04/2015	----do----	Once a year	Not working
4.	Purity work board	08/ 2016	----do----	Once a year	Good
5.	Seed divider bonier type	08/2016	----do----	Once a year	Good
6.	Seed divider gamete type	08/2016	----do----	Once a year	Good
7.	Seed divider riffle type	07/2016	----do----	Once a year	Good
8.	Seed dryer	10/03/2017	----do----	Once a year	Good
9.	Water distillation	19/06/2017	----do----	Once a year	Good
10.	Refrigerator	29/01/2018	----do----	Once a year	Good

11. Desiccator Vacuum pump

----do---- once a year Good.

Sl.No.	Name of the Laboratory	Signature of the Technical In-Charge	Signature of the Faculty In-Charge
1.	Seed Science and Technology	Bhanuprasad Bisoyi 02/05/2022 (Mr. Bhanuprasad Bisoyi)	P. Susmitha 02/05/2022 (Dr. P. Susmita)

K. Krishnam Raju 4/5/21
(Dr.k.krishnamraju)

Signature of HOD

Genetics and Plant Breeding & Seed Science and Technology

LABORATORY EQUIPMENT CERTIFICATE

Department: ENTOMOLOGY Name of Faculty In-Charge: Dr. Manish K Yadav (DATE:30/04/2022)

Laboratory Name:Entomology Lab Name of Lab In-Charge: M. RAMESH

S.no	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab Equipment
1	Sprayers	10-05-2015	07-08-2020	yearly	5 liter sprayer (4) not Working
2	Microscopes	29-03-2018			Working
3	Projector	07-03-2018	07-08-2020		Working
4	Light Trap	11-07-2018			Working
5	Motor (1/3 HP)	30-08-2017			Working
6	PH meter	21-12-2018			Working & cable not working
7	Binocular Microscopes	21-12-2018		Half yearly	Working
8	Weighing Machine(200g)	1-12-2018			Working & cable not working
9	Soxhlet Apparatus	30/11/2018		Half yearly	Working
10	Oven	21/01/2019		Half yearly	Working
11	Mixer Grinder	28/08/2017		Yearly	Working
12	Weighing Balance 3 kg	01/05/2019		Yearly	Working
13	Bee Hives	09/01/2019		Not required	working
14	Weighing Machine(3kg)	01.05.2019		Yearly	Working
15	Desicator 150mm	25.10.2021			Working
16	Ocular Micrometer	25.10.2021			Working

M.Ramesh

Signature of Lab In-Charge

M. Ramesh

Dr. Lipsa Das Signature of Faculty-in-Charge of Lab

Signature of HoD

*On behalf of
Dr. Lipsa Das*

[Signature] 02/05/22

Manish Kumar Yadav

Manish
30/4/22

[Signature]

LABORATORY USAGE REPORT

Name of the Laboratory: ENTOMOLOGY

Department/ School: DEPT. OF ENTOMOLOGY

Lab usage report for the month: April Year: 2022

No. of working hours of the month (1)	Total hours utilized in the month (2)	Utilized by Dept/ School (write the list in the table below) (3)	Utilized by (Program name & course name) (4)	No. of hours used by each of them as given in column (5)
192 hours	168 hours	Entomology	PHCM IPESDM FE-I	168 Hours

M. Ramesh

M. Ramesh

Signature of Lab In-Charge

Dr. Lipsa Das

Signature of HoD

*On behalf of
Dr. Lipsa Das*

Lipsa Das
02/05/22

LABORATORY LOG REGISTER

Name of the Laboratory: **Entomology**

Department/School: **Entomology**

Lab Log Register for the month of **April** year **2022**

S. No	Date	Lab used by	Total allotted (In Hours)	Time used (in hours)
1.	01-04-2022 to 30-04-2022	Ms. V. Ramalaxmi	32Hours	28Hours
2.	"	Dr. Lipsa Das	32Hours	28Hours
3.	"	Dr. Sudhasnubala	0 Hours	0Hours
4.	"	Dr. Sunil	32Hours	28Hours
5.	"	Mr. Deepayan Padhy	32Hours	28Hours
6.	"	Dr. Nihal R	32Hours	28Hours
7.	"	Dr. Manish K Yadav	32Hours	28Hours
		Total	192Hours	168Hours

Dr. Lipsa Das

Signature of the Hod

*On behalf of
Dr. Lipsa Das*

[Signature] 02/05/22

Laboratory Equipment Ok Certificate for the Month of : April

- A. Department Name : Fisheries Science
 B. Name of Faculty In-Charge : N. Sushila
 C. Laboratory Name : Aquatic Animal Health Management Lab
 D. Name of Lab. In-Charge : P. Unninda Rao

Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab Equipment
1. Digital PH Meter	27.10.17	23.12.18	6 Months	Working
2. Conductivity Meter	27.10.17	02.04.19	6 Months	Working
3. Compound Microscope	27.10.17	02.04.19	6 Months	Not Working
4. Refractometer	27.10.17	09.02.19	3 Months	Working
5. Homogenizer	17.09.18	09.02.19	6 Months	Working
6. Microtome	29.12.17	27.12.18	6 Months	Working
7. Hot Air Oven	27.10.17	23.12.18	6 Months	Working
8. Water Bath	17.09.18	23.12.19	6 Months	Working
9. Autoclave	17.09.18	09.02.19	6 Months	Not Working
10. Precision Weighing Balance	27.10.17	17.09.18	6 Months	Working
11. Refrigerator	02.04.22	-	6 Months	Working
12. Laminar Air Flow	04.04.22	-	6 Months	Working
B. Distillation Unit	11.01.21	-	6 Months	Not Working

P. Unninda Rao
Signature of Lab In-Charge
School of Fisheries
Paralakhemundi, Dt-Gajapati
Odisha, Pin-761211

N. Sushila
04/05/2022
Signature of Faculty-in-Charge of Lab

S. S. S. S.
Dean(Admin.), MSSSoA

Laboratory Equipment Ok Certificate for the Month of : April

- A. Department Name : Fishes Science
 B. Name of Faculty In-Charge : Shashank Singh
 C. Laboratory Name : Aquaculture Lab.
 D. Name of Lab. In-Charge : Manikamtha Baxi

Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab. Equipment
1. Weighing Balance	27.10.17	17.09.18	6 Months	Working
2. Refractometer.	27.10.17	17.09.18	3 Months	Working
3. D.O. Meter.	27.10.17	17.09.18	6 Months	Working
4. Conductivity Meter.	27.10.17	17.09.18	6 Months	Working
5. Magnetic Stirrer.	27.10.17	17.09.18	6 Months	Not Working
6. Compound Microscope	27.10.17	17.09.18	6 Months	Working
7. Digital pH Meter.	27.10.17	17.09.18	6 Months	Working
8. T. D. S Meter.	25.01.22	-	6 Months	Working
9. Temperature Meter.	25.01.22	-	6 Months	Working
10. Pannaizer.	27.03.22	-	6 Months	Working

Manikamtha Baxi
 Signature of Lab In-Charge
 Signature of HoD
 School of Fisheries
 M S Swaminathan School of Agriculture
 Odisha, Pin-761211

Shashank Singh
 Signature of Faculty-in-Charge of Lab

Signature of Dean (Admin.)
 M S Swaminathan School of Agriculture

Laboratory Equipment Ok Certificate for the Month of : April

- A. Department Name : Fisheries Science
 B. Name of Faculty In-Charge : Haryou Kim
 C. Laboratory Name : Fish Processing Lab
 D. Name of Lab. In-Charge : Manikandha Baxi

	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab. Equipment
1.	Deep freezer	17.09.18	09.02.19	6 Months	Not Inworking.
2.	Vacuum Packing	13.04.19	15.10.19	6 Months	Inworking
3.	Fish Deboner	10.05.19	15.10.19	6 Months	Inworking
4.	Weighing Balance	27.07.21	-	6 Months	Inworking
5.	Mixer Grinder	27.07.21	-	6 Months	Inworking.
6.	Sauce Machine	12.08.21	-	6 Months	Inworking.

Manikandha Baxi
 Signature of Lab In-Charge
 M S Swaminathan School of Fisheries
 Paralakhemundi, Dt-Gajapati
 Odisha, Pin-761211
 Signature of HoD

Subal Kumar Chhosh 4/5/22
 Signature of Faculty-in-Charge of Lab

Dean(Admin.), MSSSoA

Laboratory Equipment Ok Certificate for the Month of: April

- A. Department Name : Fisheries Science
 B. Name of Faculty In-Charge : Rahul. R
 C. Laboratory Name : Aquatic Environment Management Lab.
 D. Name of Lab. In-Charge : R. Gourinda Rao.

Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab Equipment
1. Kjeldahl Digestion Unit.	17.09.18	09.02.19	6 Months	Working.
2. Soxhlet Extraction Unit.	17.09.18	09.02.19	6 Months	Working.

R. Gourinda Rao
 Signature of Lab In-Charge
 M S Swaminathan School of Fisheries
 Paralakhemundi, Dt-Gajapati
 Odisha, Pin-761211

Rahul
 04/05/22
 Signature of Faculty-in-Charge of Lab
 Dean(Admin.), MSSSoA



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LABORATORY EQUIPMENT OK CERTIFICATE

Department: Biotechnology Laboratory

HOD: Dr. Satyabrata Nanda

Name of Faculty In-Charge: Dr. Satyabrata Nanda

Laboratory Name: Biotechnology Laboratory

Name of Lab In-Charge: Ms. Swapna Rani Nag

Month: April-2022

CSA

Sl.No.	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab Equipment
1.	-80 C Freezer	12/2016	27/11/2021	Once a year	Working
2.	-20 CFreezer	12/2016	One year	Once a year	Working
3.	Laminar air flow	12/2016	-----do-----	Once a year	Working
4.	Centrifuge	05/2016	-----do-----	Once a year	Working
5.	Cooling Centrifuge	09/2017	-----do-----	Once a year	Working
6.	Microfuge	29/2017	-----do-----	Once a year	Working
7.	Ice Flaking Machine	07/2016	-----do-----	Once a year	Working
8.	Rt-PCR	03/2016	-----do-----	Once a year	Working
9.	PCR	01/2016	-----do-----	Once a year	Needs to repaired
10.	Gradient PCR	05/2017	-----do-----	Once a year	Working
11.	Gel Electrophoresis	12/2015	-----do-----	Once a year	Working
12.	Gel Documentation System	04/2017	-----do-----	Once a year	Working
13.	Thermostatic Water Bath	12/2016	-----do-----	Once a year	Needs to repaired
14.	Oil Bath	14/2017	-----do-----	Once a year	Working
15.	Hybridization Blot	08/2016	-----do-----	Once a year	Working
16.	Vortex machine	01/2017	-----do-----	Once a year	Working
17.	Spectrophotometer	01/2014	-----do-----	Once a year	Working
18.	Microwave oven	01/2017	-----do-----	Once a year	Working
19.	Electronic Balance	25/2016	-----do-----	Once a year	Working
20.	Orbital Shaking incubator	02/2017	-----do-----	Once a year	Needs to repaired
21.	Portable Autoclave	31/2017	-----do-----	Once a year	Working
22.	Digital PH Meter	11/2021	-----do-----	Once a year	Working
23.	Weigh Balance	11/2021	-----do-----	Once a year	Working
24.	Double Distillation Apparatus	11/2021	-----do-----	Once a year	Working

Signature of Lab In-Charge
01/08/2022

Signature of Lab In-Charge

Signature of Faculty-In-Charge of Lab

Signature of Faculty-In-Charge of Lab

Signature of HOD

Signature of HOD



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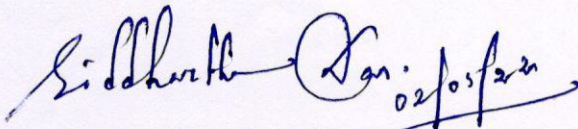
LABORATORY EQUIPMENT OK CERTIFICATE

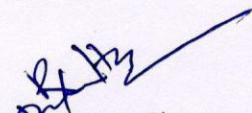
Laboratory Name : Agricultural Microbiology
Name of Faculty In-Charge : Dr. Siddharth Das
Name of Lab In-Charge : Mr. Radhakrushna Panigrahy
Month :

Name of Equipment	No.	Manufacturing Date(Date of purchase)	Condition of Lab Equipment
Autoclave	2	01.03.2021 18.03.2021	Working Shifted to Spawn unit
Hot air oven	1	14.07.2021	Working
Incubator	1	01.03.2021	Working
Laminar air flow chamber	1	01.03.2021	Working Shifted to Spawn unit
Digital balance	1	18.03.2021	Working
pH meter	1	18.03.2021	Working
Student Microscopes	10	18.03.2021	Working
Stereo binocular microscope	05	01.03.2021	Working
Colony counter	1	01.03.2021	Working
Centrifuge	1	01.03.2021	Working

Signature

Occular meter	5	18.03.2021	Working
Stage micrometer	5	18.03.2021	Working
Slide rack	1	18.03.2021	Working
Hot air oven	1	01.08.2021	Working
Orbital shaker	1	04.09.2021	Working


Signature of Faculty In-Charge


Signature of Lab In-Charge

LABORATORY USAGE REPORT

Name of the Laboratory:

Department/ School:

Lab usage report for the month of APRIL year 2022

No. of working hours of the month (1)	Total hours utilized in the month (2)	Utilised by Dept/ School (write the list in the table below) (3)	Utilised by (Program name & course name) (4)	No. of hours used by each of them as given in column (5)
22 hours	16 hours	MSSS01A	FPP 2nd sem	16 hours

[Signature]

[Signature]

APRIL 2022 22-170

DATE

APRIL

3

LAB

EXPERIMENT

SING

①

2/4/22

Sec D

Introduction

[Signature]

②

4/4/22

Sec-C1

Introduction
classroom

③ *[Signature]*

3

5/4/22

Sec-E1

Introduction

[Signature]

4

6/4/22

Sec-B1

Microbial
environment

[Signature]

5

6/4/22

Sec-E2

Microbial
environment

[Signature]

6

7/4/22

Sec-D

Microbiology
environment

[Signature]

7

7/4/22

Sec-F

Microbiology

[Signature]

8

8/4/22

Sec-C

Agriculture
Microbiology

④ *[Signature]*



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LABORATORY EQUIPMENT OK CERTIFICATE

Laboratory Name: Phytopharma Lab

Name of Faculty In-Charge: Dr. Poulami Sil

Name of Lab In-Charge: Ms. Swapna Rani Nag

Month: April-2022

Sl.No.	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of lab Equipment
1	Probe Sonicator	06/04/2021	Once in 6 th months after installation	Every six Months Interval	Good
2	Liophiliser	06/04/2021	-----do-----	Every six Months Interval	Good

Swarna

3	Freezer Dryer	16/08/2021	----do----	Every six Months Interval	Good
4	Centrifuge	06/04/2021	----do-----	Every six Months Interval	Good
5	Digital Rotational Viscometer	06/04/2021	----do-----	Every six Months Interval	Good
6	Magnetic Stirrer	06/04/2021	----do-----	Every six Months Interval	Good
7	Weigh Balance	06/04/2021	----do-----	Every six Months Interval	Good
8	Rota vapour	06/04/2021	----do-----	Every six Months Interval	Good
9	Refrigerated Centrifuge	06/04/2021	----do-----	Every six Months Interval	Good
11	Ultrasonic Bath	06/04/2021	----do-----	Every six Months Interval	Needs to be Repaired
12	Hot Air Oven	06/04/2021	----do-----	Every six Months Interval	Good
13	Homogenizer	06/04/2021	----do-----	Every six Months Interval	Good
14	Lab Stirrer	06/04/2021	----do-----	Every six Months Interval	Good
15	UV/VIS Spectrophotometer	06/04/2021	----do-----	Every six Months Interval	Needs to be repaired

16	HPLC	06/04/2021	----do----	Every six Months Interval	Good
17	Dissolution Test Apparatus	06/04/2021	----do----	Every six Months Interval	Good
18	Data Printer	06/04/2021	----do----	Every six Months Interval	Needs to be Repaired
19	Chromatography Column	21/01/2022	----do----	Every six Months Interval	Good
20	Paper Chromatography Cabinet	21/01/2022	----do----	Every six Months Interval	Good
21	Digital pH Meter	21/01/2022	----do----	Every six Months Interval	Good

Signature of Lab In-Charge

Shweta Datta
6/5/2022

Signature of Faculty-In-Charge of Lab

Shweta Datta
6.5.22

Centurion University of Technology and Management
M S Swaminathan School of Agriculture
Laboratory Equipment Ok Certificate

Date: 05.03.2022

To,

The Registrar
CUTM, Paralakhemundi

The following departments of M S Swaminathan School of Agriculture is given their laboratory equipment Ok certificate. The list is attached here with. Please release the salary of School of Agriculture for the month of February 2022.

1. Crop Physiology and Bio Chemistry
2. Plant Pathology
3. Agronomy
4. Horticulture
5. Agricultural Chemistry and Soil Science
6. Genetics and Plant Breeding and Seed Science & Technology
7. Entomology
8. Fishery Department
9. Biotechnology
10. Agricultural Microbiology
11. Phytopharmaceuticals

Dean(Admin.),MSSSoA

07-03-2022

Approved / ~~Not Approved~~


Registrar

LABARATORY EQUIPMENT OK CIRTIFICATE

Department : Crop Physiology & Biochemistry

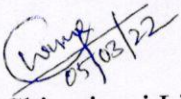
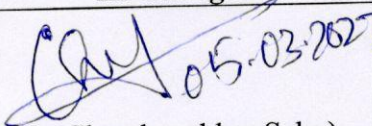
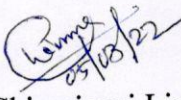
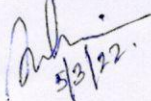
Name of Faculty In-charge : Dr. Dinkar J. Gaikwad

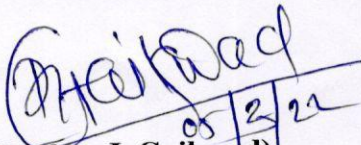
Labaroty Name: Crop Physiology & Plant Biochemistry

Name of lab In-Charge : Mr. Chiranjeevi Limma

Month: February, 2022

Sl. No.	Name of Equipment's	Manufacturing Date	Last Service Date	How often does it need Servicing	Condition of Lab Equipment
1	Sensitive balance (2)	29/10/18	One year after Installation	Once a year	Good
2	Hot air oven	20/03/18	----do----	Once a year	Good
3	Water bath (2)	05/02/18	----do----	Once a year	Need to repair a coils
4	Colori meter	07/08/18	----do----	Once a year	Good
5	Paper chromatography	20/03/18	----do----	Once a year	Good
6	pH meter (2)	16/07/18	----do----	Once a year	Good
7	Hair dryer	07/08/18	----do----	Once a year	Good
8	Spectrophotometer	15/02/15	----do--	Once a year	Good
9	Leaf area meter	20/02/15	---do---	Once a yaer	Good
10	UV Transilluminator	17/02/19	---do---	Once a year	Good
11	Paper Electrophoresis		----do--	Once a year	Good
12	Gel Electrophoresis		----do---	Once a year	Good

Sl.No.	Name of the Laboratory	Signature of the Technical In-Charge	Signature of the Faculty In-Charge
1.	Plant Physiology	 (Mr. Chiranjeevi Limma)	 (Mr. Chandrasekhar Sahu)
2	Plant Biochemistry	 (Mr. Chiranjeevi Limma)	 (Dr. Poulami Sil)


(Dr. Dinkar J. Gaikwad)

Signature of **HOA**
Crop Physiology & Plant Biochemistry
Department of Crop Physiology
& Biochemistry
MCCSA, CU



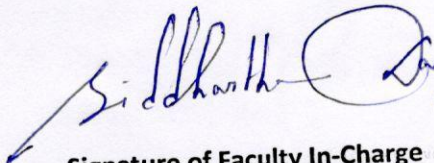
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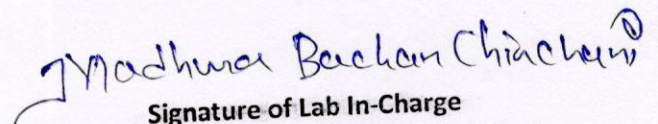
LABORATORY EQUIPMENT OK CERTIFICATE

Laboratory Name : Agricultural Microbiology
Name of Faculty In-Charge : Dr. Siddharth Das
Name of Lab In-Charge : Mr: Madhura Bachan
Month :

Name of Equipment	No.	Manufacturing Date(Date of purchase)	Condition of Lab Equipment
Autoclave	2	01.03.2021 18.03.2021	Working
Hot air oven	1	14.07.2021	Working
Incubator	1	01.03.2021	Working
Laminar air flow chamber	1	01.03.2021	Working
Digital balance	1	18.03.2021	Working
pH meter	1	18.03.2021	Working
Student Microscopes	10	18.03.2021	Working
Stereo binocular microscope	05	01.03.2021	Working
Colony counter	1	01.03.2021	Working
Centrifuge	1	01.03.2021	Working

Occular meter	5	18.03.2021	Working
Stage micrometer	5	18.03.2021	Working
Slide rack	1	18.03.2021	Working
Hot air oven	1	01.08.2021	Working
Orbital shaker	1	04.09.2021	Working


Signature of Faculty In-Charge
07/03/22


Signature of Lab In-Charge

LABORATORY USAGE REPORT

Name of the Laboratory: Agricultural Microbiology

Department/ School: MSSSOA

Lab usage report for the month of February year 2022

No. of working hours of the month (1)	Total hours utilized in the month (2)	Utilised by Dept/ School (write the list in the table below) (3)	Utilised by (Program name & course name) (4)	No. of hours used by each of them as given in column (5)
120 hours	116 hours	Plant Pathology, Fisheries, Dairy, AFIP, Aquaculture, MSC (Ag)	MSSSOA, SOF, SOABE,	80 hours (MSSSOA), 20 hours (AFIP), SOABE (8 hours), SOF (8 hours)

Madhura Bachelar Chinnbare

Siddhanta Das
07/03/22



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LABORATORY EQUIPMENT

Department: PLANT PATHOLOGY

Name of faculty in-charge: *Dr. Gagan Kumar*

Laboratory name : PLANT PATHOLOGY

Name of lab in-charge: *Nandini Dash*

Name of Equipment	No.	Manufacturing Date(Date of purchase)	Last Service Date	How Often does it need servicing	Condition of Lab Equipment
Autoclave	2	22/8/13 22/3/17	25/8/2015	Once in 2 years	Working
Hot air oven	1	22/3/17		Once in 2 years	Working
Incubator	1	-----		Once in 2 years	Working (<i>under repair</i>)
Cooling incubator	1	8/12/18			
Laminar air flow chamber	1	-----		Once in 2 years	Working
Microtome	1	2/1/17		Once in 2 years	Working
Digital balance	2	12/9/13 8/12/18		Once in 2 years	Working
pH meter	2	12/9/13 21/12/16		Once in 2 years	Working
Student Microscopes	19	5/1/16 1/2/17		Once in 2 years	Working
Stereo binocular microscope	5	10/2/15 8/12/18			
Centrifuge	2	22/8/13 8/12/18		Once in 2 years	Working

LABORATORY USAGE REPORT

Name of the Laboratory: Plant Pathology

Department/ School: MSSSOA

Lab usage report for the month of February year 2022

No. of working hours of the month (1)	Total hours utilized in the month (2)	Utilised by Dept/ School (write the list in the table below) (3)	Utilised by (Program name & course name) (4)	No. of hours used by each of them as given in column (5)
140 hours	118 hours	MSSSOA (BSc Ag)	DFHM - I (4th Sem)	42 hours
		MSSSOA (BSc Ag)	FPP (1st Sem)	24 hours
		MSSSOA (BSc Ag)	Bio Fertilizer (AEP) (8th Sem)	12 hours
		MSSSOA (BSc Ag)	Bio pesticide (DELP) (6th Sem)	28 hours
		MSSSOA (BSc Ag)	IPDM - (6th Sem)	12 hours

Nandini

[Signature]

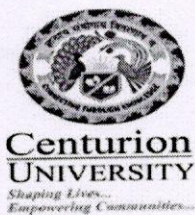
[Signature]

February - 2022

31

<u>Sl No</u>	<u>Date</u>	<u>LAB</u>	<u>Experiment</u>	<u>Sign</u>
1	1/2/2022	Biopesticides Media preparation (APP)	Media preparation	Paggar
2	2/2/2022	Biofertilizer	Media preparation	BP
3	3/2/2022	Biopesticides	Inoculation	Paggar
4	4/2/2022	Biopesticides	Inoculation	Paggar
5	7/2/2022	Biofertilizer	Media preparation	BP
6	8/2/2022	Biofertilizer	Media preparation	Paggar
7	9/2/2022	Biopesticides	Serial dilution	Paggar
8	10/2/2022	Biopesticides	Inoculation	Paggar
9	11/2/2022	Biopesticides	Media preparation	Paggar
10	14/2/2022	Biopesticides	Discard	Paggar
11	15/2/2022	IPDM - A ₂ (9:30-11:30)	Review & Revision	BP
12	15/2/2022	DFHCM - T E ₁ (2:30-9:30)	No student	
13	15/2/2022	DFHCM - B ₁ (11:30-1:30)	No student	Paggar
14	15/2/2022	DFHCM - C ₁ (2:30-4:30)	Symptoms Identification	Paggar
15	16/2/2022	DFHCM - A ₂ (9:30-11:30)	Symptoms Identification	Paggar
16	16/2/2022	DFHCM - B ₂ (11:30-1:30)	Slide preparation	Paggar
17	17/2/2022	FPP - E ₁ (11:30-1:30)	Internal practical	BP
18	17/2/2022	DFHCM - C ₂ (1:30-3:30)	Micrometry	Paggar
19	17/2/2022	DFHCM - D ₁ (3:30-5:30)	No Student	
20	18/2/2022	FPP - E ₂ (2:30-4:30)	fungicides	
21	19/2/2022	FPP - E ₃ (11:30-1:30)	Gram Staining	Paggar
22	19/2/2022	DFHCM - A ₃ (9:30-11:30)	Slide preparation	BP
24	19/2/2022	DFHCM - E ₂ (2:30-4:30)	Slide preparation	BP
27	21/2/2022	DFHCM - F ₁ (2:30-9:30)	Slide preparation	BP
28	21/2/2022	APP - F ₁ (9:30-11:30)	Record Correction	BP
29	21/2/2022	IPDM - E ₁ (11:30-1:30)	Detection & Diagnosis	BP

SLNO	Date	LAB	Experiment	Sign
30	21/2/2022	DFHCM - B ₂ (2.30-4.30)	Dissection	<i>[Signature]</i>
31	22/2/2022	DFHCM - E ₂ (7.30-9.30)	Dissection	<i>[Signature]</i>
32	23/2/2022	TPDM - A ₂ (9.30-11.30)	Nucleus	<i>[Signature]</i>
33	22/2/2022	DFHCM - B ₁ (11.30-1.30)	Slide preparation	<i>[Signature]</i>
34	22/2/2022	DFHCM - C ₁ (2.30-4.30)	Dissection	<i>[Signature]</i>
35	23/2/2022	DFHCM - A ₁ (9.30-11.30)	Slide preparation	<i>[Signature]</i>
36	23/2/2022	DFHCM - B ₂ (11.30-1.30)	Slide preparation	<i>[Signature]</i>
37	24/2/2022	TPDM - E ₁ (9.30-11.30)	Trichinella	<i>[Signature]</i>
38	24/2/2022	TPDM - D ₁ (11.30-1.30)	Trichinella	<i>[Signature]</i>
39	24/2/2022	DFHCM - C ₂ (1.30-3.30)	Slide preparation	<i>[Signature]</i>
40	24/2/2022	DFHCM - D (3.30-5.30)	Slide preparation	<i>[Signature]</i>
41	25/2/2022	FPP External Exam (9.30-5.30)	External Exam	<i>[Signature]</i>
42	26/2/2022	FPP (9.30-5.30)	External Exam	<i>[Signature]</i>
43	28/2/2022	TPDM - A (9.30-11.30)	Media preparation	<i>[Signature]</i>
44	28/2/2022	TPDM - E (11.30-1.30)	Media preparation	<i>[Signature]</i>
45	28/2/2022	DFHCM - F (7.30-9.30)	Slide preparation	<i>[Signature]</i>
46	25/2/2022	DFHCM - E (2.30-4.30)	Slide preparation	<i>[Signature]</i>



LABORATORY EQUIPMENT OK CERTIFICATE [FEBRUARY-2022]

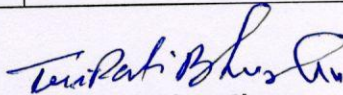
Department: Agronomy

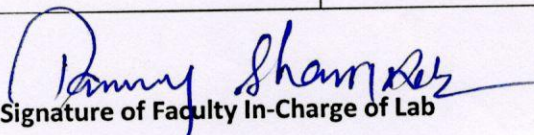
Name of Faculty In-Charge: Ms. Monalisa Sahoo

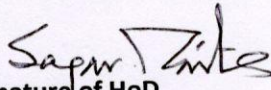
Laboratory Name: Agronomy lab

Name of Lab In-Charge: Mr. Tripathi bhuyan

S.no	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab Equipment
1	DOUBLE RING INFILTRMETER	22-10-16	February 2022	EVERY 3 MONTH INTERVAL	OK
2	HOT AIR OVEN	22-10-16	February 2022		OK
3	TENSIOMETER	22-10-16	February 2022		OK
4	P ^H METER	22-10-16	February 2022		OK
5	EC METER	22-10-16	February 2022		OK
6	CORE SAMPLER	22-10-16	February 2022		OK
7	PARSHALL FLUME	22-10-16	February 2022	NO NEED	OK
8	RECTANGULAR WEIR	22-10-16	February 2022		OK
9	TRIANGULAR WEIR	22-10-16	February 2022		OK
10	TRAPEZOIDAL WEIR	22-10-16	February 2022		OK
11	MOISTURE METER	22-10-16	February 2022		OK


Signature of Lab In-Charge


Signature of Faculty In-Charge of Lab


Signature of HoD



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LABORATORY EQUIPMENT OK CERTIFICATE

Department: Agronomy

Name of Faculty In-Charge: Mr. Triptesh Mondal

Laboratory Name: Agronomy lab

Name of Lab In-Charge: Ms. Archana Behera

S.no	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab Equipment
12.	ORIFICES	22-10-16	February 2022	NO NEED	OK
13.	DIGITAL WEIGHT BALANCE	22-10-16	February 2022	EVERY 3 MONTH INTERVAL	OK
14.	WATER BATH	22-10-16	February 2022		OK
15.	SCREW AUGAR	22-10-16	February 2022		OK
16.	HOT PLATE	22-10-16	February 2022		OK
17.	MOISTURE BOX	22-10-16	February 2022		OK
18.	WEIGHT BALANCE	22-10-16	February 2022		OK
19.	PYCONOMETER	22-10-16	February 2022		OK
20.	MESH AND TEST TUBE	22-10-16	February 2022		OK
21.	KELPLUS (Nitrogen analyser)	20-10-17	February 2022		EVERY 3 MONTH INTERVAL
22.	OIL EXTRACTION	20-10-17	February 2022	OK	
23.	DIGESTION UNIT	20-10-17	February 2022	OK	
24.	LUX METER	20-10-17	February 2022		OK
25.	ROTARY SHAKER	20-09-18	February 2022		Repair
26.	FLAME PHOTOMETER	22-10-16	February 2022		Repair

Archana Behera

Signature of Lab In-Charge

Triptesh Mondal

Signature of Faculty In-Charge of Lab

Sagar Tripathi

Signature of HoD

LABORATORY USAGE REPORT

Name of the Laboratory: AGRONOMY- I & II

Department/ School: DEPT.OF AGRONOMY

Lab usage report for the month: February

Year: 2022

No. of working hours of the month (1)	Total hours utilized in the month (2)	Utilized by Dept/ School (write the list in the table below) (3)	Utilized by (Program name & course name) (4)	No. of hours used by each of them as given in column (5)
M.Sc (Ag) and B.Sc(Ag.)	116	AGRONOMY M.Sc.	Modern concepts in crop production	10
			Principles and practices of weed	10
			Principles and practices of water	10
			Physiology of growth and yield	10
			Lab use for analysis (M.Sc.Ag. students)	40
		B.Sc	Fundamental of Agronomy	36

Anchana Behera
Tesmiti Bhuyan
Signature of Lab In-Charge

Sagar Zaita
Signature of HoD

LABORATORY EQUIPMENT OK CERTIFICATE

Department: Horticulture
Laboratory Name: MSc. Horticulture
Name of the faculty in-charge : Dr. Barsha Tripathy

Sl.No.	Name of Equipment	Manufacturing Date	Last Service Date	How often does it need servicing	Condition of Lab Equipment
1	Centrifuge	09-05-2018	30-04-2021	Quarterly	Working
2	Computer system	10-01-2018	02-03-2021	Quarterly	Working
3	Heater	09-05-2018	20-04-2021	Monthly	Working
4	Hot air oven	10-01-2018	30-04-2021	Monthly	Working
5	Mixer Grinder	05-08-2021	05-08-2021	Monthly	Working
6	Microscope	07-01-2017	09-04-2021	Monthly	Working
7	Chlorophyll content meter	05-12-2018	20-07-2021	Monthly	Working
8	Refractrometer	06-02-2014	30-04-2021	Quarterly	Working
9	Refrigerator	02-09-2-14	25-03-2021	Monthly	Working
10	Seed desiccator	09-05-2018	20-3-2021	Monthly	Working
11	Spectrophotometer	09-05-2018	30-04-2021	Monthly	Working
12	Water bath	07-01-2020	09-04-2021	Monthly	Working
13	Digital weighing Balance	20-07-2021	31-08-2021	Monthly	Not Working
14	Weighing balance	19-04-2018	20-07-2021	Monthly	Working
14	p ^H meter	02-08-2021	02-08-2021	Monthly	Working

Signature of Lab In-Charge :

P.Vijayalakshmi

Signature of Faculty In-Charge :

Dr. Barsha Tripathy

Signature of HOD :

Dr. Nilanjana Dutta

Madhura Barcha
Chirchit
Dr. Barsha
3-3-22

LABORATORY EQUIPMENT OK CERTIFICATE

Department: Horticulture

Laboratory Name: Fundamentals of Horticulture

Name of the faculty in-charge : Dr. Subhrajyoti Chatterjee

Sl.No.	Name of Equipment	Manufacturing Date	Last Service Date	How often does it need servicing	Condition of Lab Equipment
1	Hand sprayer	13-02-2016	11-04-2021	Monthly	Working
2	Pruning shear	19-06-2015	13-09-2017	Monthly	Working
3	Secateurs	18-09-2014	09-04-2021	Monthly	Working
4	Seed desiccator	09-05-2018	20-03-2021	Monthly	Working
5	Hedge Shear	03-08-2021	25-08-2021	Monthly	Working
6	Budding knives	03-11-2018	20-04-2021	Monthly	Working
7	Rose cans	04-10-2019	25-08-2021	Monthly	Working
8	Hand Hoe	29-10-2018	20-08-2021	Monthly	Working
9	Crow Bar	05-08-2021	05-08-2021	Monthly	Working
10	Sickle	05-08-2021	07-08-2021	Monthly	Working
11	Hand Saw	05-10-2019	26-08-2021	Monthly	Working
12	Garden Rake	10-03-2021	27-08-2021	Monthly	Working

Signature of Lab In-Charge

P.Vijayalakshmi

Signature of Faculty In-Charge

Dr. Subhrajyoti Chatterjee

Signature of HOD

Dr. Nilanjana Dutta

Dr. Subhrajyoti Chatterjee
04.03.2021
mm

Department: Horticulture

Laboratory Name: Post Harvest Lab

Name of the faculty in-charge : Dr. Anant Tamang

Sl.No.	Name of Equipment	Manufacturing Date	Last Service Date	How often does it need servicing	Condition of Lab Equipment
1	Autoclave	10-01-2019	02-20-2020	Monthly	Working
2	Bottle sealer	14-02-2016	06-03-2021	Quarterly	Working
3	Cylinder Gas	13-12-2015	06-03-2021	Monthly	Working
4	Juice extractor	28-01-2017	13-09-2019	Quarterly	Working
5	Mag-stirrer	21-12-2018	18-12-2019	Monthly	working
6	Mango Pulp machine	04-02-2016	13-12-2019	Quarterly	working
7	Mixer Grinder	16-02-2015	08-08-2021	Monthly	Working
8	pH meter	07-01-2017	28-08-2021	Monthly	Working
9	Poly pouch sealer	17-12-2014	28-11-2019	Quarterly	Working
10	Potato slicer	28-01-2017	26-03-2021	Quarterly	Working
11	Refractrometer	06-02-2014	30-04-2021	Quarterly	Working
12	Refrigerator	02-09-2-14	25-08-2021	Monthly	Working
13	Weighing balance	28-04-2018	09-04-2021	Monthly	Working
14	Water Bath	20-05-2018	07-07-2021	Monthly	Working

Signature of Lab - in-charge


Mr. Madhura Bachan Chinchani

Signature of faculty -in-charge

Dr. Anant Tamang

Signature of HOD

Dr. Nilanjana Datta




LABORATORY USAGE REPORT

Name of the Laboratory:

Department/ School: AGRICULTURE

Lab usage report for the month of February **year** 2022

No. of working hours of the month (1)	Total hours utilized in the month (2)	Utilised by Dept/ School (write the list in the table below) (3)	Utilised by (Program name & course name) (4)	No. of hours used by each of them as given in column (5)
		Msc. Horticulture		72 hour
		Fundamental Horticulture		108 hour
		Post Hon vet Lab		116  hour
	296 hour			



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LABORATORY EQUIPMENT OK CERTIFICATE

Department: Soil Science & Agril. chem. Name of faculty In charge: Monisankar Bera

Laboratory Name: Soil Science & Agril. chem. Name of lab In-charge: Kuladeep Bardhan

Name of equipment	Date of purchase	Last service Date	How often does it need servicing	Condition of lab equipment
pH meter	04/08/17	27/12/19	Quarterly	working
Conductivity meter	06/02/16	31/08/19	Quarterly	working
Spectrophotometer	22/08/13		Quarterly	working
Flame photometer	31/08/13	18/02/19	Quarterly	working
Rotary shaker	01/09/14	29/12/21	Yearly	working
Kelplus nitrogen distillation unit	05/03/16		Quarterly	working
Hot plate	02/02/19		Yearly	working
Mechanical stirrer	25/08/13		Yearly	working
Electronic balance	04/08/17	29/12/21	Quarterly	working
Digital balance	02/08/17		Quarterly	working
Hot air oven	06/08/17	18/02/19	Yearly	working
Water bath	02/02/19		Yearly	working
Distilled water unit	04/08/17		Yearly	Not working

Kuladeep Bardhan 02.03.22
Signature of lab In-charge

Am 3/3/22
Signature of faculty In-charge

Rahul Adhinariy
Signature of HOD 02/05/2022
Dept. of Soil Science &
Agricultural Chemistry
MSSSoA CUTM

LABORATORY USAGE REPORT

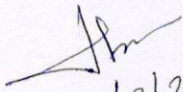
Name of the laboratory: soil science laboratory

Department/school: Dept. of Soil Science & Agril. Chemistry

Lab usage report for the month of February, 2022

No. of working hours of the month	Total hours utilized in the month	Utilized by Dept./school (write the list in the table below)	Utilized by (program name & course name)	No. of hours by each of them as given in column	
176 hours	100 hours	MSSSOA, B.Sc (Agriculture)	Fundamental of soil science	36 hours	
		MSSSOA B.Sc (Agriculture)	Manure, Fertilizer and soil Fertility Management	40 hours	
		M.Sc (Agronomy)	Soil Fertility and Fertilizer Use	4 hours	
		Other	AELP, M.Sc (Ag)	20 hours	
		Total			100 hours

Kuldeep Bardhan
02.03.22


3/3/22

Rahul Adhikary
HOD Soil Science
02/03/2022
Dept. of Soil Science &
Agricultural Chemistry
MSSSOA CUTM



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Empowering Communities!



LABORATORY EQUIPMENT OK CERTIFICATE

Department : Genetics and plant breeding

Name of Faculty In-charge : Mr. Durga dutta Meher

Labaroty Name: Genetics and plant breeding

Name of lab In-Charge : Mr. Bhanuprasad bisoyi

Month: February 2022

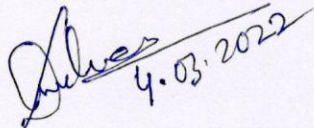
Sl.No.	Name of equipment	Manufacturing Date	Last Service date	How often does it need Servicing	Condition of lab Equipment
1.	Simple microscope	26/12/14	One year after Installation	Once a year	Good
2.	Compound microscope	13/08/15	----do----	Once a year	Good
3.	Binocular microscope	26/12/14	----do----	Once a year	Good <i>except two microscope</i>
4.	Microtome	06/09/19	----do----	Once a year	Good
5.	Electronic weighing machine(0.08gm-200gm)	06/09/18	----do----	Once a year	Good
6.	Water distillation	19/06/2017	----do----	Once a year	Good
7.	Refrigerator	29/01/2018	----do----	Once a year	Good

microscope model No.

- 1) HYTEK INDIA UT-152
- 11) HYTEK INDIA UT-152

Problem

- Light problem
Light problem

Sl.No.	Name of the Laboratory	Signature of the Technical In-Charge	Signature of the Faculty In-Charge
1.	Genetic and Plant breeding	Bhanu Prasad Bisoyi 04.03.2022 (Mr. Bhanuprasad Bisoyi)	 4.03.2022 (Mr. Durga Dutta Meher)

K. Krishnam Raju 04/03/2022
(Dr. K. Krishnam Raju)

Signature of HOD

Genetics and Plant Breeding & Seed Science and Technology



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LABORATORY EQUIPMENT OK CERTIFICATE

Department : Seed Science and Technology

Name of Faculty In-charge : Dr. P. Susmita

Labaroty Name : Seed Science and Technology

Name of lab In-Charge : Mr. Bhanuprasad bisoyi

Month : February 2022

Sl.No.	Name of equipment	Manufacturing Date	Last Service date	How often does it need Servicing	Condition of lab Equipment
1.	Auto Calibration digital seed moisture meter	08/2016	One year after Installation	Once a year	Not working
2.	Automatic Seed counter	08/2016	----do----	Once a year	Good
3.	Seed Germinator	04/2015	----do----	Once a year	Not Good
4.	Purity work board	08/ 2016	----do----	Once a year	Good
5.	Seed divider bonier type	08/2016	----do----	Once a year	Good
6.	Seed divider gamete type	08/2016	----do----	Once a year	Good
7.	Seed divider riffle type	07/2016	----do----	Once a year	Good
8.	Seed dryer	10/03/2017	----do----	Once a year	Good
9.	Water distillation	19/06/2017	----do----	Once a year	Good
10.	Refrigerator	29/01/2018	----do----	Once a year	Good

Sl.No.	Name of the Laboratory	Signature of the Technical In-Charge	Signature of the Faculty In-Charge
1.	Seed Science and Technology	Bhanu Prasad Bisoyi 04/03/2022 (Mr. Bhanuprasad Bisoyi)	P. Susmita 4/03/2022 (Dr. P. Susmita)

K. Krishnam Raju 4/03/22
(Dr. k.krishnam raju)

Signature of HOD

Genetics and Plant Breeding & Seed Science and Technology

LABORATORY EQUIPMENT CERTIFICATE

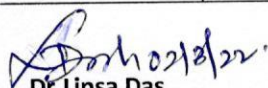
Department: ENTOMOLOGY Name of Faculty In-Charge: Dr. Manish K Yadav (DATE:28/02/2021)

Laboratory Name: Entomology Lab Name of Lab In-Charge: M. RAMESH


S.no	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab Equipment
1	Sprayers	10-05-2015	07-08-2020	yearly	5 liter sprayer (4) not Working
2	Microscopes	29-03-2018			Working
3	Projector	07-03-2018	07-08-2020		Working
4	Light Trap	11-07-2018			Working
	Motor (1/3 HP)	30-08-2017			Working
6	PH meter	21-12-2018			Working & cable not working
7	Binocular Microscopes	21-12-2018		Half yearly	Working
8	Weighing Machine(200g)	1-12-2018			Working & cable not working
9	Soxhlet Apparatus	30/11/2018		Half yearly	Working
10	Oven	21/01/2019		Half yearly	Working
11	Mixer Grinder	28/08/2017		Yearly	Working
12	Weighing Balance 3 kg	01/05/2019		Yearly	Working
13	Bee Hives	09/01/2019		Not required	working
14	Weighing Machine(3kg)	01.05.2019		Yearly	Working
15	Desicator 150mm	25.10.2021			Working
16	Ocular Micrometer	25.10.2021			Working

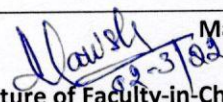
M.Ramesh

Signature of Lab In-Charge


Dr.Lipsa Das

Signature of HoD


02/03/2021


Manish Kumar Yadav
Signature of Faculty-in-Charge of Lab

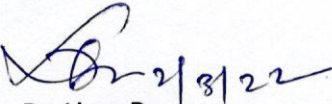
LABORATORY LOG REGISTER

Name of the Laboratory: **Entomology**

Department/School: **Entomology**

Lab Log Register for the month of **February** _Year **2022**

S. No	Date	Lab used by	Total allotted (In Hours)	Time used (in hours)
1.	01-02-2022 to 28-02-2022	Ms. V. Ramalaxmi	32 Hours	15 Hours
2.	"	Dr. Lipsa Das	32 Hours	15 Hours
3.	"	Dr. Sudhasnubala	0 Hours	0 Hours
4.	"	Dr. Sunil	32 Hours	12 Hours
5.	"	Mr. Deepayan Padhy	32 Hours	15 Hours
6.	"	Dr. Nihal R	32 Hours	15 Hours
7.	"	Dr. Manish K Yadav	32 Hours	12 Hours
		Total	192 Hours	84 Hours


Dr. Lipsa Das

Signature of the Hod

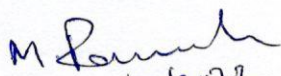
LABORATORY USAGE REPORT

Name of the Laboratory: ENTOMOLOGY

Department/ School: DEPT.OF ENTOMOLOGY

Lab usage report for the month: February Year: 2022

No. of working hours of the month (1)	Total hours utilized in the month (2)	Utilized by Dept/ School (write the list in the table below) (3)	Utilized by (Program name & course name) (4)	No. of hours used by each of them as given in column (5)
192 hours	84 hours	Entomology	PHCM IPESDM	84 Hours


01/03/2022
M.Ramesh

Signature of Lab In-Charge


21/3/22
Dr. Lipsa Das

Signature of HoD



Laboratory Equipment Ok Certificate for the Month of : February

- A. Department Name : Fisheries Science
 B. Name of Faculty In-Charge : Sagarika Swain
 C. Laboratory Name : Aquaculture Lab.
 D. Name of Lab. In-Charge : Momikant Das

	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab. Equipment
1.	weighing Balance	27.10.17	17.09.18	6 Months	Working
2.	Petrochrometer	27.10.17	17.09.18	3 Months	Working
3.	D.O. Meter	27.10.17	17.09.18	6 Months	Working
4.	Conductivity Meter	27.10.17	17.09.18	6 Months	Working
5.	Magnetic Stirrer	27.10.17	17.09.18	6 Months	not Working
6.	Compound Microscope	27.10.17	17.09.18	6 Months	Working
7.	Digital pH Meter	27.10.17	17.09.18	6 Months	Working
8.	TDS Meter	25.01.22	—	6 Months	Working
9.	Temperature Meter	25.01.22	—	6 Months	Working

Momikant Das
Signature of Lab In-Charge
School of Fisheries
Paralakhemundi, Dt-Gajapati
Odisha, Pin-761211

Sagarika Swain
Signature of Faculty-in-Charge of Lab

S. S. Swain
Dean(Admin.), MSSSoA



M S Swaminathan School of Agriculture

Laboratory Equipment Ok Certificate for the Month of : _____

- A. Department Name : School of Fisheries
 B. Name of Faculty In-Charge : Dr. Ngeirangbam Sushila
 C. Laboratory Name : Aquatic animal health Management Lab
 D. Name of Lab. In-Charge : R. Govinda Rao

Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab. Equipment
1. Digital pH meter	27.10.17	23.12.18	6 Months	Working
2. Conductivity meter	27.10.17	02.04.19	6 Months	Working
3. Compound microscope	27.10.17	02.04.19	6 Months	Working
4. Refractometer	27.10.17	09.02.19	3 Months	Working
5. Homogenizer	17.09.18	09.02.19	6 Months	Working
6. Microtome	29.12.17	27.12.18	6 Months	Working
7. Hot air oven	27.10.17	23.12.18	6 Months	Working
8. Water Bath	17.09.18	23.12.18	6 months	Working
9. Autoclave	17.09.18	09.02.19	6 Months	Not Working
10. Digital Colony counter	17.09.18	09.02.19	6 Months	Working
11. Precision weighing balance	27.10.17	17.09.18	6 Months	Not working
12. Distillation unit	11.11.21		6 Months	Not working

R. Govinda Rao
Signature of Lab In-Charge

Ng. Sushila
04/03/2022
Signature of Faculty-in-Charge of Lab

Signature of HOD
M S Swaminathan School of Fisheries
Paralakhemundi, Dt. Gajapati
Odisha, Pin-761211

Dean(Admin.), MSSoA



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Paralakhemundi



M S Swaminathan School of Agriculture

Laboratory Equipment Ok Certificate for the Month of : February

- A. Department Name : Fisheries Science
 B. Name of Faculty In-Charge : Hauzou Kion
 C. Laboratory Name : Fish Processing Lab
 D. Name of Lab. In-Charge : Mamikontha Bori

	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab. Equipment
1.	Deep freezer.	17.09.18	09.02.19	6 Months	Working
2.	Vacuum Packing	13.04.19.	15.10.19	6 Months	Working
3.	Fish Deboner.	10.05.19.	15.10.19.	6 Months	Working
4.	Weighing Balance.	27.07.21	-	6 Months	Working
5.	Mixer Grinder.	27.07.21	-	6 Months	Working
6.	Scale Machine	12.08.21	-	6 Months	Working

Mamikontha Bori
 Signature of Lab In-Charge
 M S Swaminathan School of Fisheries
 Paralakhemundi, Dt-Gajapati
 Odisha, Pin-761211

Hauzou Kion
 Signature of Faculty-in-Charge of Lab
 Dean(Admin.), MSSSoA

Sl.No.	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of lab Equipment
1	Probe Sonicator	06/04/2021	One year	Once a year	Good
2	Liophiliser	06/04/2021	----do----	----do----	Good
3	Freezer Dryer	16/08/2021	----do----	----do----	Good
4	Centrifuge	06/04/2021	----do----	----do----	Good
5	Digital Rotational Viscometer	06/04/2021	----do----	----do----	Good
6	Magnetic Stirrer	06/04/2021	----do----	----do----	Good
7	Weigh Balance	06/04/2021	----do----	----do----	Good
8	Rota vapour	06/04/2021	----do----	----do----	Good
9	Refrigerated Centrifuge	06/04/2021	----do----	----do----	Good
11	Ultrasonic Bath	06/04/2021	----do----	----do----	Needs to be Repaired
12	Hot Air Oven	06/04/2021	----do----	----do----	Good
13	Homogenizer	06/04/2021	----do----	----do----	Good
14	Lab Stirrer	06/04/2021	----do----	----do----	Good
15	UV/VIS Spectrophotometer	06/04/2021	----do----	----do----	Good
16	HPLC	06/04/2021	----do----	----do----	Good
17	Dissolution Test Apparatus	06/04/2021	----do----	----do----	Good
18	Data Printer	06/04/2021	----do----	----do----	Needs to be Repaired
19	Chromatography Column	21/01/2022	----do----	----do----	Good
20	Paper Chromatography Cabinet	21/01/2022	----do----	----do----	Good
21	Digital pH Meter	21/01/2022	----do----	----do----	Good

Signature of Lab In-Charge

Head of the Department

Dept. of Biotechnology

MSSSoA, CUTM,

Paralakhemundi, Odisha

Signature of Faculty-In-Charge of Lab

[Handwritten Signature]

[Handwritten Signature]
05/05/22

[Handwritten Signature]
3.03.22



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LABORATORY EQUIPMENT OK CERTIFICATE

Department: Biotechnology Laboratory

HOD: Dr. Satyabrata Nanda

Name of Faculty In-Charge: Dr. Satyabrata Nanda

Laboratory Name: Biotechnology Laboratory

Name of Lab In-Charge: Ms. Swapna Rani Nag

Month: February-2022

Sl.No.	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of lab Equipment
1.	-80 C Freezer	12/2016	27/11/2021	Once a year	Working
2.	-20 CFreezer	12/2016	One year	Once a year	Working
3.	Laminar air flow	12/2016	----do----	Once a year	Working
4.	Centrifuge	05/2016	----do----	Once a year	Working
5.	Cooling Centrifuge	09/2017	----do----	Once a year	Working
6.	Microfuge	29/2017	----do----	Once a year	Working
7.	Ice Flaking Machine	07/2016	----do----	Once a year	Working
8.	Rt-PCR	03/2016	----do----	Once a year	Working
9.	PCR	01/2016	----do----	Once a year	Needs to repaired
10.	Gradient PCR	05/2017	----do----	Once a year	Working
11.	Gel Electrophoresis	12/2015	----do----	Once a year	Working
12.	Gel Documentation System	04/2017	----do----	Once a year	Working
13.	Thermostatic Water Bath	12/2016	----do----	Once a year	Needs to repaired
14.	Oil Bath	14/2017	----do----	Once a year	Working
15.	Hybridization Blot	08/2016	----do----	Once a year	Working
16.	Vortex machine	01/2017	----do----	Once a year	Working
17.	Spectrophotometer	01/2014	----do----	Once a year	Working
18.	Microwave oven	01/2017	----do----	Once a year	Working
19.	Electronic Balance	25/2016	----do----	Once a year	Working
20.	Orbital Shaking incubator	02/2017	----do----	Once a year	Needs to repaired
21.	Portable Autoclave	31/2017	----do----	Once a year	Working
22.	Digital PH Meter	11/2021	----do----	Once a year	Working
23.	Weigh Balance	11/2021	----do----	Once a year	Working
24.	Double Distillation Apparatus	11/2021	----do----	Once a year	Working

Anurupa
02/03/2022

Signature of Lab In-Charge

S. S. N. S.

Signature of the Department Head of the Department of Biotechnology

MSSSOA, CUTM,
Paralakhemundi, Odisha

S. S. N. S.

Signature of HOD

MSSSOA, CUTM,
Paralakhemundi, Odisha

Centurion University of Technology and Management
M S Swaminathan School of Agriculture
Laboratory Equipment Ok Certificate


Date: 06.08.2022

To,


The Registrar
CUTM, Paralakhemundi

The following departments of M S Swaminathan School of Agriculture are given their laboratory equipment Ok certificate. The list is attached here with. Please release the salary of School of Agriculture for the month of July 2022.

1. Crop Physiology and Bio Chemistry
2. Plant Pathology
3. Agronomy
4. Horticulture
5. Agricultural Chemistry and Soil Science
6. Genetics and Plant Breeding and Seed Science & Technology
7. Entomology
8. Fishery Department
9. Biotechnology
10. Agricultural Microbiology
11. Phytopharmaceuticals
12. Animal Cell Culture Lab


Dean(Admin.), MSSSOA
06.08.22

Approved / ~~Not Approved~~


Registrar

LABARATORY EQUIPMENT OK CIRTIFICATE

Department : Crop Physiology & Biochemistry


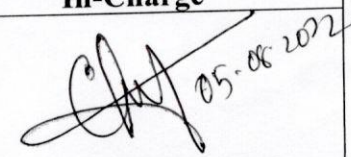

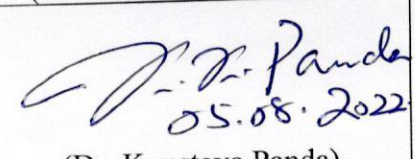
Name of Faculty in-Charge : Dr. Dinkar J. Gaikwad

Labaroty Name: Crop Physiology & Plant Biochemistry

Name of lab In-Charge : Mr. Chiranjeevi Limma and Mr. Sudhir Patro

Month: July, 2022

Sl. No.	Name of Equipment's	Manufacturing Date	Last Service Date	How often does it need Servicing	Condition of Lab Equipment
1	Sensitive balance (3)	29/10/18	One year after Installation	Once a year	One battery is replaced. Battery in another balance still not repaired.
2	Hot air oven (2)	20/03/18	----do----	Once a year	Good
3	Water bath (2)	05/02/18	----do----	Once a year	Good
4	Colori meter	07/08/18	----do----	Once a year	Good
5	Paper chromatography	20/03/18	----do----	Once a year	Good
6	pH meter (2)	16/07/18	----do----	Once a year	Good
7	Hair dryer	07/08/18	----do----	Once a year	Good
8	Seed Germinator		29.04.2022	Once a year	Sensor was changed, still temp not coming under control.
9	Leaf area meter	20/02/15	---do---	Once a year	Good
10	UV Transilluminator	17/02/19	---do---	Once a year	Switch is replaced. Working fine.
11	Paper Electrophoresis		----do--	Once a year	Good
12	Gel Electrophoresis		----do---	Once a year	Good

Sl.No.	Name of the Laboratory	Signature of the Technical In-Charge	Signature of the Faculty In-Charge
1.	Plant Physiology	 (Mr. Chiranjeevi Limma)	 (Mr. Chandrasekhar Sahu)
2	Plant Biochemistry	 (Mr. Sudhir Patro)	 (Dr. Koustava Panda)

Copy

Dr. Dinkar J. Gaikwad

10/08/22

(Dr. Dinkar J. Gaikwad)

Signature of HOD

Crop Physiology & Plant Biochemistry

HEAD
Department of Crop Physiology
& Biochemistry
MSSoA, Coim.



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LABORATORY EQUIPMENT OK CERTIFICATE

Laboratory Name: Phyttopharma Lab

Name of Faculty In-Charge: Dr.PoulamSii

Name of Lab In-Charge: Ms.Swapna Rani Nag

Month: July-2022

Sl.No.	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of lab Equipment
1	Probe Sonicator	06/04/2021	Once in 6 th months after installation	Every six Months Interval	Good
2	Liophiliser	06/04/2021	----do----	Every six Months Interval	Good

6.11.22

3	Freezer Dryer	16/08/2021	----do----	Every six Months Interval	Good
4	Centrifuge	06/04/2021	----do----	Every six Months Interval	Good
5	Digital Rotational Viscometer	06/04/2021	----do----	Every six Months Interval	Good
6	Magnetic Stirrer	06/04/2021	----do----	Every six Months Interval	Good
7	Weigh Balance	06/04/2021	----do----	Every six Months Interval	Good
8	Rota vapour	06/04/2021	----do----	Every six Months Interval	Good
9	Refrigerated Centrifuge	06/04/2021	----do----	Every six Months Interval	Good
11	Ultrasonic Bath	06/04/2021	----do----	Every six Months Interval	Needs to be Repaired
12	Hot Air Oven	06/04/2021	----do----	Every six Months Interval	Good
13	Homogenizer	06/04/2021	----do----	Every six Months Interval	Good
14	Lab Stirrer	06/04/2021	----do----	Every six Months Interval	Good
15	UV/VIS Spectrophotometer	06/04/2021	----do----	Every six Months Interval	Needs to be repaired (Software update)

16	HPLC	06/04/2021	-----do-----	Every six Months Interval	Good
17	Dissolution Test Apparatus	06/04/2021	-----do-----	Every six Months Interval	Good
18	Data Printer	06/04/2021	-----do-----	Every six Months Interval	Needs to be Repaired
19	Chromatography Column	21/01/2022	-----do-----	Every six Months Interval	Good
20	Paper Chromatography Cabinet	21/01/2022	-----do-----	Every six Months Interval	Good
21	Digital pH Meter	21/01/2022	-----do-----	Every six Months Interval	Good

Signature
01.05.22

Signature of Lab In-Charge

Signature of Faculty-In-Charge of Lab

Signature
1.8.22



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Empowering Communities...*



LABORATORY EQUIPMENT OK CERTIFICATE

Laboratory Name: Animal Cell Culture Lab

Name of Faculty In-Charge: Dr.Preetha Bhadra

Name of Lab In-Charge: Ms. Swapna Rani Nag

Month: July-2022

Sl.No.	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of lab Equipment
1	CO ₂ Incubator	08/04/2022	Once in 6 th months after installation	Every six Months Interval	Good
2	Cooling Centrifuge	08/02/2022	----do----	Every six Months Interval	Good

3	Digital Water Bath	23/11/2021	----do----	Every six Months Interval	Good
4	Liquid Nitrogen Container	23/11/2021	----do----	Every six Months Interval	Good
5	Micro Plate Reader	18/02/2022	----do----	Every six Months Interval	Good
6	Bio Safety Cabinet	28/06/2022	----do----	Every six Months Interval	Good
7	Digital P ^H Meter	14/03/2022	----do----	Every six Months Interval	Good
8	Cyclo Mixer	08/12/2021	----do----	Every six Months Interval	Good
9	Trinocular Microscope	17/05/2022	----do----	Every six Months Interval	Good
10	Heamocytometer	23/11/2021	----do----	Every six Months Interval	Good

Signature
01/08/22

Signature of Lab In-Charge

Signature of Faculty-In-Charge of Lab
Dept. of Biotechnology
MSSSOA, CUTM,
Paralakhemundi, Odisha

Signature
(on behalf of N. N. Ghosh)



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WARRINGTON
ENGLAND

LABORATORY EQUIPMENT

Department: PLANT PATHOLOGY

Name of faculty in-charge: *Dr. Aravind T*

Laboratory name : PLANT PATHOLOGY

Name of lab in-charge: *Radhika Nourshna Panigrahy*

Name of Equipment	No.	Manufacturing Date (Date of purchase)	Last Service Date	How Often does it need servicing	Condition of Lab Equipment
Autoclave	2	22/8/13 22/3/17	25/8/2015	Once in 2 years	Working
Hot air oven	1	22/3/17		Once in 2 years	Working
Incubator	1	-----		Once in 2 years	Working
Cooling incubator	1	8/12/18			(Under Repair)
Laminar air flow chamber	1	-----		Once in 2 years	Working
Microtome	1	2/1/17		Once in 2 years	Working
Digital balance	2	12/9/13 8/12/18		Once in 2 years	Working
pH meter	2	12/9/13 21/12/16		Once in 2 years	Working
Student Microscopes	19	5/1/16 1/2/17		Once in 2 years	Working
Stereo binocular microscope	5	10/2/15 8/12/18			under Repair (1 binocular microscope)
Centrifuge	2	22/8/13 8/12/18		Once in 2 years	Working

6.12.18

LABORATORY USAGE REPORT

Name of the Laboratory: **PLANT PATHOLOGY**

Department / School: **MISSOURI**

Lab usage report for the month of **JUNE** year **2022**

No. of working hours of the month (1)	Total hours utilized in the month (2)	Utilised by Dept/ School (write the list in the table below) (3)	Utilised by (Program name & course name) (4)	No. of hours used by each of them as given in column (5)
102 Hours	102 Hours	MISSOURI	DFH AM2	10 Hours
		MISSOURI	DFHCM	78 Hours
		MISSOURI	External Exam	14 Hours

[Signature]
2/8/22

[Signature]
2/8/22

Rodina Kuperman Paul Gentry

LABORATORY EQUIPMENT OK CERTIFICATE

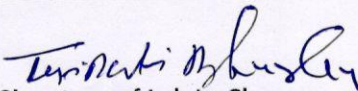
Department: Agronomy

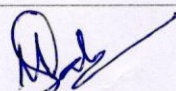
Name of Faculty In-Charge: Ms. Monalisa Sahoo

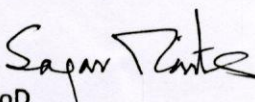
Laboratory Name: Agronomy lab (UG)

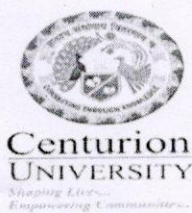
Name of Lab In-Charge: Mr. Tripathi bhuyan

S.no	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab Equipment
1	DOUBLE RING INFILTRMETER	22-10-16	JULY 2022	EVERY 3 MONTH INTERVAL	OK
2	HOT AIR OVEN	22-10-16	JULY 2022		OK
3	TENSIOMETER	22-10-16	JULY 2022		OK
4	P ^H METER	22-10-16	JULY 2022		OK
5	EC METER	22-10-16	JULY 2022		OK
6	CORE SAMPLER	22-10-16	JULY 2022		OK
7	PARSHALL FLUME	22-10-16	JULY 2022	NO NEED	OK
8	RECTANGULAR WEIR	22-10-16	JULY 2022		OK
9	TRIANGULAR WEIR	22-10-16	JULY 2022		OK
10	TRAPEZOIDAL WEIR	22-10-16	JULY 2022		OK
11	MOISTURE METER	22-10-16	JULY 2022		OK


Signature of Lab In-Charge


Signature of Faculty In-Charge of Lab


Signature of HoD



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Empowering Communities...



LABORATORY EQUIPMENT OK CERTIFICATE

Department: Agronomy

Name of Faculty In-Charge: Mr. Triptesh Mondal

Laboratory Name: Agronomy lab(PG)

Name of Lab In-Charge: Ms. Archana Behera

S.no	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab Equipment
12.	ORIFICES	22-10-16	JULY 2022	NO NEED	OK
13.	DIGITAL WEIGHT BALANCE	22-10-16	JULY 2022	EVERY 3 MONTH INTERVAL	OK
14.	WATER BATH	22-10-16	JULY 2022		OK
15.	SCREW AUGAR	22-10-16	JULY 2022		OK
16.	HOT PLATE	22-10-16	JULY 2022		OK
17.	MOISTURE BOX	22-10-16	JULY 2022		OK
18.	WEIGHT BALANCE	22-10-16	JULY 2022		OK
19.	PYCONOMETER	22-10-16	JULY 2022		OK
20.	MESH AND TEST TUBE	22-10-16	JULY 2022		OK
21.	KELPLUS (Nitrogen analyser)	20-10-17	JULY 2022		EVERY 3 MONTH INTERVAL
22.	OIL EXTRACTION	20-10-17	JULY 2022	OK	
23.	DIGESTION UNIT	20-10-17	JULY 2022	OK	
24.	LUX METER	20-10-17	JULY 2022		OK
25.	ROTARY SHAKER	20-09-18	January 2022		Repair
26.	FLAME PHOTOMETER	22-10-16	JULY 2022		OK

Archana Behera

Signature of Lab In-Charge

T. Mondal
30/07/2022

Signature of Faculty In-Charge of Lab

Sapna Zinta

Signature of HoD

Copy

LABORATORY USAGE REPORT

Name of the Laboratory: AGRONOMY- I & II

Department/ School: DEPT.OF AGRONOMY

Lab usage report for the month: JULY

Year: 2022

Programs of the department	Total hours utilized in the month	Utilized by Dept./ School (write the list in the table below)	Utilized by (Program name & course name)	No. of hours used by each of them as given in column	
(1)	(2)	(3)	(4)	(5)	
M.Sc (Ag) and B.Sc(Ag.)	132	AGRONOMY	Management of problem soils and water	8	
			M.Sc.	Agronomy of major cereals and pulses	8
			Agronomy of oil seed, fibre and sugarcane crops	8	
			Cropping systems and sustainable agriculture	4	
			Lab use for analysis (M.Sc.Ag. students)	50	
		B.Sc	Introductory Agro meteorology and climate change	15	
			Irrigation water management	24	
			Introduction to Agroforestry	15	

Archana Behera

Tridip Behera

Signature of Lab In-Charge

Sagar Kumar

Signature of HoD

S. K. S.

Department: Horticulture

Laboratory Name: Post Harvest Lab

Name of the faculty in-charge : Dr. Anant Tamang

Sl.No.	Name of Equipment	Manufacturing Date	Last Service Date	How often does it need servicing	Condition of Lab Equipment
1	Autoclave	10-01-2019	02-02-2020	Monthly	Working
2	Bottle sealer	14-02-2016	06-03-2021	Quarterly	Working
3	Cylinder Gas	13-12-2015	16-03-2022	Monthly	Working
4	Juice extractor	28-01-2017	13-09-2019	Quarterly	Working
5	Mag-stirrer	21-12-2018	18-12-2019	Monthly	working
6	Mango Pulp machine	04-02-2016	13-12-2019	Quarterly	working
7	Mixer Grinder	16-02-2015	08-08-2021	Monthly	Working
8	pH meter	07-01-2017	28-08-2021	Monthly	NOT Working
9	Poly pouch sealer	17-12-2014	28-11-2019	Quarterly	Working
10	Potato slicer	28-01-2017	26-03-2021	Quarterly	Working
11	Refractrometer	06-02-2014	30-04-2021	Quarterly	Working
12	Refrigerator	12-03-2022	12-03-2022	Monthly	Working
14	Water Bath	20-05-2018	07-07-2021	Monthly	Working
15	Hot Air Oven	09-01-2017	03-04-2020	Monthly	Working
16	Apple Cutter	20-11-2021	12-04-2022	Monthly	Working

Signature of Lab - in-charge

Mr. Madhura Bachan Chinchani

Signature of faculty -in-charge

Dr. Anant Tamang

Signature of HOD

Dr. Nilanjana Datta

Anant Tamang
02/03/22

Anant Tamang (In-charge)

LABORATORY EQUIPMENT OK CERTIFICATE

Department: Horticulture

Laboratory Name: Fundamentals of Horticulture

Name of the faculty in-charge : Dr. Subhrajyoti Chatterjee

Sl.No.	Name of Equipment	Manufacturing Date	Last Service Date	How often does it need servicing	Condition of Lab Equipment
1	Hand sprayer	13-02-2016	11-04-2021	Monthly	Working
2	Pruning shear	19-06-2015	13-09-2017	Monthly	Working
3	Secateurs	18-09-2014	09-04-2021	Monthly	Working
4	Seed desiccator	09-05-2018	20-03-2021	Monthly	Working
5	Hedge Shear	03-08-2021	25-08-2021	Monthly	Working
6	Budding knives	03-11-2018	20-04-2021	Monthly	Working
7	Rose cans	04-10-2019	25-08-2021	Monthly	Working
8	Hand Hoe	29-10-2018	20-08-2021	Monthly	Working
9	Crow Bar	05-08-2021	05-08-2021	Monthly	Working
10	Sickle	05-08-2021	07-08-2021	Monthly	Working
11	Hand Saw	05-10-2019	26-08-2021	Monthly	Working
12	Garden Rake	10-03-2021	27-08-2021	Monthly	Working

Signature of Lab In-Charge

Johnson Digal

Signature of Faculty In-Charge

Dr. Subhrajyoti Chatterjee

Signature of HOD

Dr. Nilanjana Dutta

02/08/22

(Handwritten signature)

LABORATORY EQUIPMENT OK CERTIFICATE

Department: Horticulture
Laboratory Name: MSc. Horticulture
Name of the faculty in-charge : Dr. Barsha Tripathy

Sl.No.	Name of Equipment	Manufacturing Date	Last Service Date	How often does it need servicing	Condition of Lab Equipment
1	Centrifuge	09-05-2018	30-04-2021	Quarterly	Working
2	Computer system	10-01-2018	02-03-2021	Quarterly	Working
3	Heater	09-05-2018	20-04-2021	Monthly	Working
4	Hot air oven	10-01-2018	30-04-2021	Monthly	Working
5	Mixer Grinder	05-08-2021	05-08-2021	Monthly	Working
6	Microscope	07-01-2017	09-04-2021	Monthly	Working
7	Chlorophyll content meter	05-12-2018	20-07-2021	Monthly	Working
8	Refractrometer	06-02-2014	30-04-2021	Quarterly	Working
9	Refrigerator	02-09-2-14	25-03-2021	Monthly	Working
10	Seed desiccator	09-05-2018	20-3-2021	Monthly	Working
11	Spectrophotometer	09-05-2018	30-04-2021	Monthly	Working
12	Water bath	07-01-2020	09-04-2021	Monthly	Working
13	Digital weighing Balance	20-07-2021	31-08-2021	Monthly	Not Working
14	Weighing balance	19-04-2018	20-07-2021	Monthly	Working
14	p ^H meter	02-08-2021	02-08-2021	Monthly	Working

Signature of Lab In-Charge :

Johnson Digal

Signature of Faculty In-Charge :

E.Ramesh

Signature of HOD :

Dr. Nilanjana Dutta

Johnson Digal
02/08/22

Ramesh
02/08/22

Dr. Nilanjana Dutta (In-charge)
02/08/22

LABORATORY USAGE REPORT

Name of the Laboratory: post Harvest

Department/ School:

Lab usage report for the month of July

No. of working hours of the month (1)	Total hours utilized in the month (2)
1) post harvest lab 184 hours B.sc Horticulture 2) 184 hours M-sc Horticulture 3) 184 hours	196 hours



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LABORATORY EQUIPMENT OK CERTIFICATE

Department: Soil Science & Agril. Chem. Name of faculty In charge: Limbraj Parshuram Pholane

Laboratory Name: Soil Science & Agril. Chem. Name of lab In-charge: Kuladeep Bardhan

Name of equipment	Date of purchase	Last service Date	How often does it need servicing	Condition of lab equipment
pH meter	04/08/17	27/12/19	Quarterly	working
Conductivity meter	06/02/16	31/08/19	Quarterly	working
Spectrophotometer	22/08/13		Quarterly	working
Flame photometer	31/08/13	18/02/19	Quarterly	working
Rotary shaker	01/09/14	29/12/21	Yearly	working
Kelplus nitrogen distillation unit	05/03/16		Quarterly	working
Hot plate	02/02/19		Yearly	working
Mechanical stirrer	25/08/13		Yearly	working
Electronic balance	04/08/17	29/12/21	Quarterly	working
Digital balance	02/08/17		Quarterly	working
Hot air oven	06/08/17	18/02/19	Yearly	working
Water bath	02/02/19		Yearly	working
Distilled water unit	04/08/17		Yearly	Not working

Kuladeep Bardhan 01.08.22
Signature of lab In-charge

Limbraj Parshuram Pholane 11/01/2022
Signature of faculty In-charge

Enr

Arjunabha Pal 01.08.22
Signature of HOD

Dept. of Soil Science &
Agricultural Chemistry
MSSSoA CUTM

Limbraj Parshuram Pholane

LABORATORY USAGE REPORT

Name of the laboratory: soil science laboratory

Department/school: Dept. of Soil Science & Agril. Chemistry

Lab usage report for the month of July, 2022

No. of working hours of the month	Total hours utilized in the month	Utilized by Dept./school(write the list in the table below)	Utilized by (program name & course name)	No. of hours by each of them as given in column
192 hours	186 hours	B. sc (Agriculture)	Problematic Soils and their Management	80 hours
		AELP	Soil Testing Unit	100 hours
		Other	-	6 hours
		Total		186 hours

Kuladeep Bardhan
01.08.22

For.

Attonabha Pal
01.08.22

Dept. of Soil Science &
Agricultural Chemistry
MSSSoA CUTM

APher
11/8/2022



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LABORATORY EQUIPMENT OK CERTIFICATE

Department : Genetics and plant breeding

Name of Faculty In-charge : Mr. Niranjana kumar chourasia

Labaroty Name: Genetics and plant breeding

Name of lab In-Charge : Mr. Bhanuprasad bisoyi

Month: july2022

Sl.No.	Name of equipment	Manufacturing Date	Last Service date	How often does it need Servicing	Condition of iab Equipment
1.	Simple microscope	26/12/14	One year after Installation	Once a year	Good
2.	Compound microscope	13/08/15	----do----	Once a year	Good
3.	Binocular microscope	26/12/14	----do----	Once a year	2 microscope not working
4.	Microtome	06/09/19	----do----	Once a year	Not working
5.	Electronic weighing machine(0.08gm-200gm)	06/09/18	----do----	Once a year	Good
6.	Water distillation	19/06/2017	----do----	Once a year	Good
7.	Refrigerator	29/01/2018	----do----	Once a year	Good

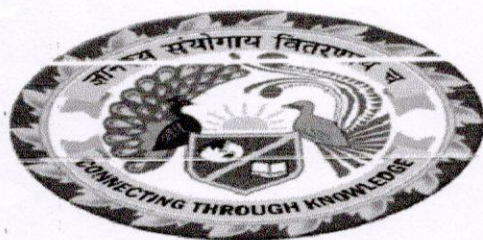
B. P. Bisoyi

1.	Genetic and Plant breeding	Bhanu Prasad Bisoyi 04/08/2022 (Mr. Bhanuprasad Bisoyi)	04/08/22 (Mr. Niranjan Kumar chaurasia)
----	-------------------------------	---	---

K. Krishnam Raju 4/8/22
(Dr. K. Krishnamraju)

Signature of HOD

Genetics and Plant Breeding & Seed Science and Technology



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LABORATORY EQUIPMENT OK CERTIFICATE

Department : Seed Science and Technology

Name of Faculty In-charge : Dr. P. Susmita

Labaroty Name : Seed Science and Technology

Name of lab In-Charge : Mr. Bhanuprasad bisoyi

Month : july2022

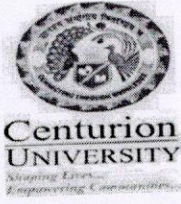
Sl.No.	Name of equipment	Manufacturing Date	Last Service date	How often does it need Servicing	Condition of iab Equipment
1.	Auto Calibration digital seed moisture meter	08/2016	One year after Installation	Once a year	Not working
2.	Automatic Seed counter	08/2016	----do----	Once a year	Good
3.	Seed Germinator	04/2015	----do----	Once a year	Not working
4.	Purity work board	08/ 2016	----do----	Once a year	Good
5.	Seed divider bonier type	08/2016	----do----	Once a year	Good
6.	Seed divider gamete type	08/2016	----do----	Once a year	Good
7.	Seed divider riffle type	07/2016	----do----	Once a year	Good
8.	Seed dryer	10/03/2017	----do----	Once a year	Good
9.	Water distillation	19/06/2017	----do----	Once a year	Good
10.	Refrigerator	29/01/2018	----do----	Once a year	Good
11.	Vacuum pump high speed oil free diaphragm type	28/04/2022	----do----	Once a Year	Good

Sl.No.	Name of the Laboratory	Signature of the Technical In-Charge	Signature of the Faculty In-Charge
1.	Seed Science and Technology	Bhanu Prasad Bisoyi 04/08/2022 (Mr. Bhanuprasad Bisoyi)	P. Susmitha 4/08/2022 (Dr. P. Susmitha)

K. Krishnam Raju 4/8/22
(Dr.k.krishnamraju)

Signature of HOD

Genetics and Plant Breeding & Seed Science and Technology



LABORATORY EQUIPMENT CERTIFICATE

Department: ENTOMOLOGY Name of Faculty In-Charge: Dr.Nihal R (DATE:30/07/2022)

Laboratory Name: Entomology Lab Name of Lab In-Charge: M. RAMESH

S.no	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab Equipment
1	Sprayers	10-05-2015	07-08-2020	yearly	5 liter sprayer (4) not Working
2	Microscopes	29-03-2018			Working
3	Projector	07-03-2018	07-08-2020		Working
4	Light Trap	11-07-2018			Working
5	Motor (1/3 HP)	30-08-2017			Working
6	PH meter	21-12-2018			Working & cable not working
7	Binocular Microscopes	21-12-2018		Half yearly	Working
8	Weighing Machine(200g)	1-12-2018			Working & cable not working
9	Soxhlet Apparatus	30/11/2018		Half yearly	Working
10	Oven	21/01/2019		Half yearly	Working
11	Mixer Grinder	28/08/2017		Yearly	Working
12	Weghing Balance 3 kg	01/05/2019		Yearly	Working
13	Bee Hives	09/01/2019		Not required	working
14	Weighing Machine(3kg)	01.05.2019		Yearly	working

M.Ramesh

Signature of Lab In-Charge

Dr. Nihal

Dr. Nihal

Head

Department of Entomology
MSSSoA, CUTM
Paralakhemundi, -761211

Signature of Faculty-in-Charge of Lab


LABORATORY LOG REGISTER

Name of the Laboratory: **Entomology**

Department/School: **Entomology**

Lab Log Register for the month of **July** ..Year **2022**

S.no	Date	Lab used by	Total allotted Hours	No. of hours used
1.	01-07-2022 to 30-07-2022	Ms. V. Ramalaxmi	24 Hours	24 Hours
2.	"	Dr. Sunil Rathod	32 Hours	32 Hours
3.	"	Mr. Deepayan padhy	0 Hours	0 Hours
4.	"	Dr. ManishK Yadav	0 Hours	0 Hours
5.	"	Dr. Nihal XXXX R	32 Hours	32 Hours
6.	"			
7.	"	Total	88 Hours	88 Hours


Dr. Nihal R
01-08-21
Head
Department of Entomology
Signature of the Hod MSSSoA, CUTM
Paralakhemundi, -761211

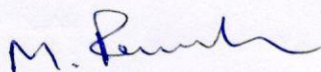
LABORATORY USAGE REPORT

Name of the Laboratory: ENTOMOLOGY

Department/ School: DEPT.OF ENTOMOLOGY

Lab usage report for the month: JULY Year: 2022

No. of working hours of the month (1)	Total hours utilized in the month (2)	Utilized by Dept/ School (write the list in the table below) (3)	Utilized by (Program name & course name) (4)	No. of hours used by each of them as given in column (5)
88 hours	88 hours	Entomology	PFC&SGM	88 Hours



M.Ramesh

Signature of Lab In-Charge



Dr. Nihal

01-08-22
Head
Signature of HoD
Department of Entomology
MSSSoA, CUTM
Paralakhemundi, -761211

Laboratory Equipment Ok Certificate for the Month of: 03-08-22

- A. Department Name : School OF Fisheries
 B. Name of Faculty In-Charge : Dr. N. Sushila
 C. Laboratory Name : Aquatic Animal Health Management Lab
 D. Name of Lab. In-Charge : R. Govinda Rao

Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab Equipment
Digital pH Meter	27-10-17	23-12-16	6 Months	Working
2. Conductivity Meter	27-10-17	2-4-19	6 Months	Working
3. Digital Colony Counter	17-9-18	9-2-19	6 Months	Working
4. Micro Scope	27-10-17	2-4-19	6 Months	Not Working
5. Refracta Meter	27-9-18	9-2-19	6 Months	Working
6. Homogenizer	29-12-17	9-2-18	6 Months	Working
7. Hot Air oven	29-10-18	23-12-18	6 Months	Working
8. Water bath	17-9-18	23-12-18	6 Months	Working
9. Autoclave	17-9-18	9-2-19	6 Months	Working
10. Refrigerator	2-4-22	-	6 Months	Working
11. Deep Freezer	28-4-22	-	6 Months	Working
12. Laminar Air flow	4-4-22	-	6 Months	Working
13. Compound Micro Scope	2-8-22	-	-	Working
14. Distillation unit	11-11-21	-	-	Not Working
15. Precision Weighing balance	27-10-17	17-9-18	6 Months	Not Working
16. Incubator	27-05-22	-	-	Working

R. Govinda Rao
Signature of Lab. In-Charge

Signature of HoD

N. Sushila
Signature of Faculty-in-Charge of Lab

Dean (Admin.), MSSSoA

Laboratory Equipment Ok Certificate for the Month of : JULY

- A. Department Name : Fishes Science
 B. Name of Faculty In-Charge : Jitendra Sahas
 C. Laboratory Name : Aquaculture Lab
 D. Name of Lab. In-Charge : Manikandha Baxi

Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab. Equipment
1. Weighing Balance	27.10.17	19.09.18	6 Months	Working
2. Refractometer	27.10.17	17.09.18	3 Months	Working
3. D.O. Meter	27.10.17	17.09.18	6 Months	Working
4. Conductivity Meter	27.10.17	17.09.18	6 Months	Working
5. Magnetic Stirrer	27.10.17	17.09.18	6 Months	Working
6. Compound Simple Microscope	27.10.17	17.09.18	6 Months	Not Working
7. Digital PH Meter	27.10.17	17.09.18	6 Months	Working
8. Temperature Meter	25.01.22	-	6 Months	Working
9. Dialuizer	21.03.22	-	6 Months	Working

Manikandha Baxi
Signature of Lab In-Charge

Jitendra Sahas
Signature of Faculty-in-Charge of Lab

Dean (Admin.), MSSoA

Laboratory Equipment Ok Certificate for the Month of: JULY

- A. Department Name : Fisheries Science
 B. Name of Faculty In-Charge : Houtou Kim
 C. Laboratory Name : Fish Processing Lab.
 D. Name of Lab. In-Charge : Moni Kondha Bora

Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab Equipment
1. Deep freezer	17.09.18	09.02.19	6 Months	Not Working
2. Vacuum Packing	13.04.19	15.10.19	6 Months	Working
3. Fish Deboner	10.05.19	15.10.19	6 Months	Not Working
4. Weighing Balance	27.07.21	-	6 Months	Working
5. Mixer Grinder	27.07.21	-	6 Months	Working
6. Seal Machine	12.08.21	-	6 Months	Working

Moni Kondha Bora
Signature of Lab In-Charge

Signature of HOD

3/8/2022
Signature of Faculty-in-Charge of Lab

Dean(Admin.), MSSSoA

Laboratory Equipment Ok Certificate for the Month of : 03-08-2022

- A. Department Name : School OF Fisheries
 B. Name of Faculty In-Charge : S. Sudharshan
 C. Laboratory Name : Aquatic Environmental management Lab
 D. Name of Lab. In-Charge : R. Govinda Rao

Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab Equipment
Kjedhal Digestion unit	17-09-18	09-02-19	6 Months	Not Working
2. Soxlet Extraction unit	17-09-18	09-02-19	6 Months	Working

R. Govinda Rao
Signature of Lab In-Charge

Signature of [Name]
03/08/22

S. Sudharshan
Signature of Faculty-in-Charge of Lab

Dean (Admin.), MSSSoA



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LABORATORY EQUIPMENT OK CERTIFICATE

Department: Biotechnology Laboratory

HOD: Dr. Satyabrata Nanda

Name of Faculty In-Charge: Ms. Panchashree Das

Laboratory Name: Biotechnology Laboratory

Name of Lab In-Charge: Ms. Swapna Rani Nag

Month: July-2022

Sl. No.	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab Equipment
1.	-80 C Freezer	12/2016	27/11/2021	Once a year	Working
2.	-20 C Freezer	12/2016	One year	Once a year	Working
3.	Laminar air flow	12/2016	-----do-----	Once a year	Working
4.	Centrifuge	05/2016	-----do-----	Once a year	Working
5.	Cooling Centrifuge	09/2017	-----do-----	Once a year	Working
6.	Microfuge	29/2017	-----do-----	Once a year	Working
7.	Ice Flaking Machine	07/2016	-----do-----	Once a year	Working
8.	Rt-PCR	03/2016	-----do-----	Once a year	Working
9.	PCR	01/2016	-----do-----	Once a year	Needs to repaired
10.	Gradient PCR	05/2017	-----do-----	Once a year	Working
11.	Gel Electrophoresis	12/2015	-----do-----	Once a year	Working
12.	Gel Documentation System	04/2017	-----do-----	Once a year	Working
13.	Thermostatic Water Bath	12/2016	-----do-----	Once a year	Needs to repaired
14.	Oil Bath	14/2017	-----do-----	Once a year	Working
15.	Hybridization Blot	08/2016	-----do-----	Once a year	Working
16.	Vortex machine	01/2017	-----do-----	Once a year	Working
17.	Spectrophotometer	01/2014	-----do-----	Once a year	Working
18.	Microwave oven	01/2017	-----do-----	Once a year	Working
19.	Electronic Balance	25/2016	-----do-----	Once a year	Working
20.	Orbital Shaking incubator	02/2017	-----do-----	Once a year	Needs to repaired
21.	Portable Autoclave	31/2017	-----do-----	Once a year	Working
22.	Digital PH Meter	11/2021	-----do-----	Once a year	Working
23.	Weigh Balance	11/2021	-----do-----	Once a year	Working
24.	Double Distillation Apparatus	11/2021	-----do-----	Once a year	Working
25.	MilliQ Water Purification System	05/2022	-----do-----	Once a year	Working
26.	ifuge Plate Spinner	06/2022	-----do-----	Once a year	Working

Swarna
01/01/22

Signature of Lab In-Charge

Pan
11.08.2022

Signature of Faculty-In-Charge of Lab

P. P. S. 22

Signature of Head of the Department

Deptt. of Biotechnology
MSSSOA, CUTAI,
Paralakhemundi, Odisha



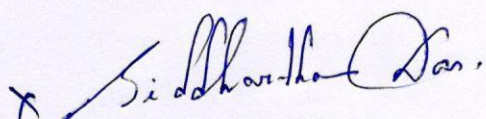
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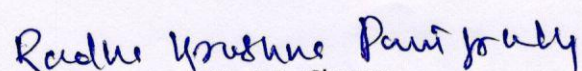
LABORATORY EQUIPMENT OK CERTIFICATE

Laboratory Name : Agricultural Microbiology
Name of Faculty In-Charge : Dr. Siddharth Das
Name of Lab In-Charge : Mr. Radhakrushna Panigrahy
Month :

Name of Equipment	No.	Manufacturing Date(Date of purchase)	Condition of Lab Equipment
Autoclave	2	01.03.2021 18.03.2021	Working
Hot air oven	1	14.07.2021	Working
Incubator	1	01.03.2021	Working
Laminar air flow chamber	1	01.03.2021	Working
Digital balance	1	18.03.2021	Working
pH meter	1	18.03.2021	Working
Student Microscopes	10	18.03.2021	Working
Stereo binocular microscope	05	01.03.2021	Working
Colony counter	1	01.03.2021	Working
Centrifuge	1	01.03.2021	Working

Occular meter	5	18.03.2021	Working
Stage micrometer	5	18.03.2021	Working
Slide rack	1	18.03.2021	Working
Hot air oven	1	01.08.2021	Working
Orbital shaker	1	04.09.2021	Working


Signature of Faculty In-Charge


Signature of Lab In-Charge

LABORATORY USAGE REPORT

Name of the Laboratory: AGRICULTURAL MICROBIOLOGY

Department/School: MSSSOA

Lab usage report for the month of JULY 2022 year 2022

No. of working hours of the month (1)	Total hours utilized in the month (2)	Utilised by Dept/School (write the list in the table below) (3)	Utilised by (Program name & course name) (4)	No. of hours used by each of them as given in column (5)
10 Hours	10 Hours	MSSSOA	DFHEM	4 Hours

X S. M. Khan

Radhika Srinivasa Panigrahy

Centurion University of Technology and Management
M S Swaminathan School of Agriculture
Laboratory Equipment Ok Certificate

Date: 07.07.2022

To,

The Registrar
CUTM, Paralakhemundi

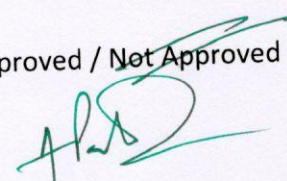
The following departments of M S Swaminathan School of Agriculture are given their laboratory equipment Ok certificate. The list is attached here with. Please release the salary of School of Agriculture for the month of June 2022.

1. Crop Physiology and Bio Chemistry
2. Plant Pathology
3. Agronomy
4. Horticulture
5. Agricultural Chemistry and Soil Science
6. Genetics and Plant Breeding and Seed Science & Technology
7. Entomology
8. Fishery Department
9. Biotechnology
10. Agricultural Microbiology
11. Phytopharmaceuticals

Dean(Admin.),MSSSoA


07.07.22

Approved / Not Approved


Registrar



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LABORATORY EQUIPMENT OK CERTIFICATE

Department : Seed Science and Technology

Name of Faculty In-charge : Dr. P. Susmita

Labaroty Name : Seed Science and Technology

Name of lab In-Charge : Mr. Bhanuprasad bisoyi

Month : May 2022

Sl.No.	Name of equipment	Manufacturing Date	Last Service date	How often does it need Servicing	Condition of lab Equipment
1.	Auto Calibration digital seed moisture meter	08/2016	One year after Installation	Once a year	Not working
2.	Automatic Seed counter	08/2016	----do----	Once a year	Good
3.	Seed Germinator	04/2015	----do----	Once a year	Not working
4.	Purity work board	08/ 2016	----do----	Once a year	Good
5.	Seed divider bonier type	08/2016	----do----	Once a year	Good
6.	Seed divider gamete type	08/2016	----do----	Once a year	Good
7.	Seed divider riffle type	07/2016	----do----	Once a year	Good
8.	Seed dryer	10/03/2017	----do----	Once a year	Good
9.	Water distillation	19/06/2017	----do----	Once a year	Good
10.	Refrigerator	29/01/2018	----do----	Once a year	Good
11.	Vacuum pump high speed oil free diaphragm type	28/04/2022	----do----	Once a Year	Good

Sl.No.	Name of the Laboratory	Signature of the Technical In-Charge	Signature of the Faculty In-Charge
1.	Seed Science and Technology	Bhanu Prasad Bisoyi 07/07/2022 (Mr. Bhanuprasad Bisoyi)	P. Susmitha (Dr. P. Susmitha)

K. Krishnam Raju
(Dr.k.krishnam raju) 7/7/22

Signature of HOD

Genetics and Plant Breeding & Seed Science and Technology

C. R. Raju



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LABARATORY EQUIPM,ENT OK CIRTIFICATE

Department : Genetics and plant breeding

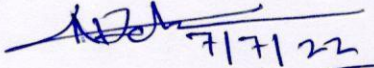
Name of Faculty In-charge :Mr. Niranjn kumar chourasia

Labaroty Name: Genetics and plant breeding

Name of lab In-Charge : Mr. Bhanuprasad bisoyi

Month: jun 2022

Sl.No.	Name of equipment	Manufacturing Date	Last Service date	How often does it need Servicing	Condition of lab Equipment
1.	Simple microscope	26/12/14	One year after Installation	Once a year	Good
2.	Compound microscope	13/08/15	----do----	Once a year	Good
3.	Binocular microscope	26/12/14	----do----	Once a year	2 microscope not working
4.	Microtome	06/09/19	----do----	Once a year	Not working
5.	Electronic weighing machine(0.08gm-200gm)	06/09/18	----do----	Once a year	Good
6.	Water distillation	19/06/2017	----do----	Once a year	Good
7.	Refrigerator	29/01/2018	----do----	Once a year	Good

Sl.No.	Name of the Laboratory	Signature of the Technical In-Charge	Signature of the Faculty In-Charge
1.	Genetic and Plant breeding	Bhanuprasad Bisoyi 07/07/2022 (Mr. Bhanuprasad Bisoyi)	 7/7/22 (Mr. Niranjana Kumar Chaurasia)

K. Krishnam Raju 7/7/22
(Dr. K. Krishnam Raju)

Signature of HOD

Genetics and Plant Breeding & Seed Science and Technology

S. R. Dasu



LABORATORY EQUIPMENT OK CIRTIFICATE

Department : Crop Physiology & Biochemistry


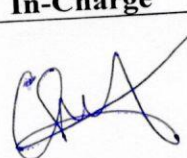

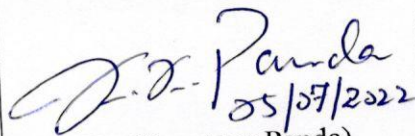
Name of Faculty in-Charge : Dr. Dinkar J. Gaikwad

Labaroty Name: Crop Physiology & Plant Biochemistry

Name of lab In-Charge : Mr. Chiranjeevi Limma

Month: June, 2022

Sl. No.	Name of Equipment's	Manufacturing Date	Last Service Date	How often does it need Servicing	Condition of Lab Equipment
1	Sensitive balance (3)	29/10/18	One year after Installation	Once a year	One battery is replaced. Battery in another balance still not repaired.
2	Hot air oven (2)	20/03/18	----do----	Once a year	Good
3	Water bath (2)	05/02/18	----do----	Once a year	Good
4	Colori meter	07/08/18	----do----	Once a year	Good
5	Paper chromatography	20/03/18	----do----	Once a year	Good
6	pH meter (2)	16/07/18	----do----	Once a year	Good
7	Hair dryer	07/08/18	----do----	Once a year	Good
8	Seed Germinator		29.04.2022	Once a year	Sensor was changed, still temp not coming under control.
9	Leaf area meter	20/02/15	---do---	Once a year	Good
10	UV Transilluminator	17/02/19	---do---	Once a year	Switch is replaced. Working fine.
11	Paper Electrophoresis		----do--	Once a year	Good
12	Gel Electrophoresis		----do---	Once a year	Good

Sl.No.	Name of the Laboratory	Signature of the Technical In-Charge	Signature of the Faculty In-Charge
1.	Plant Physiology	 (Mr. Chiranjeevi Limma)	 (Mr. Chandrasekhar Sahu)
2	Plant Biochemistry	 (Mr. Chiranjeevi Limma)	 (Dr. Koustava Panda)

Dr. Dinkar J. Gaikwad
05/07/22

(Dr. Dinkar J. Gaikwad)
Signature of HOD
Crop Physiology & Plant Biochemistry
Department of Crop Physiology
& Biochemistry
MSSSoA, CUTM

C. r. p. 15



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LABORATORY EQUIPMENT

Department: PLANT PATHOLOGY

Name of faculty in-charge: *Dr. Venkatesh Jeldumu*

Laboratory name : PLANT PATHOLOGY

Name of lab in-charge: *Nandini Dash*

Name of Equipment	No.	Manufacturing Date(Date of purchase)	Last Service Date	How Often does it need servicing	Condition of Lab Equipment
Autoclave	2	22/8/13 22/3/17	25/8/2015	Once in 2 years	Working
Hot air oven	1	22/3/17		Once in 2 years	Working
Incubator	1	-----		Once in 2 years	Working
Cooling incubator	1	8/12/18			<i>under repair</i>
Laminar air flow chamber	1	-----		Once in 2 years	Working
Microtome	1	2/1/17		Once in 2 years	Working
Digital balance	2	12/9/13 8/12/18		Once in 2 years	Working
pH meter	2	12/9/13 21/12/16		Once in 2 years	Working
Student Microscopes	19	5/1/16 1/2/17		Once in 2 years	Working
Stereo binocular microscope	5	10/2/15 8/12/18			<i>under repair (1 binocular microscope)</i>
Centrifuge	2	22/8/13 8/12/18		Once in 2 years	Working

LABORATORY USAGE REPORT

Name of the Laboratory: *Plant Pathology*

Department/School: *MSSSOA*

Lab usage report for the month of *June* year *2022*

No. of working hours of the month (1)	Total hours utilized in the month (2)	Utilised by Dept/ School (write the list in the table below) (3)	Utilised by (Program name & course name) (4)	No. of hours used by each of them as given in column (5)
<i>52 hours</i>	<i>52 hours</i>	<i>MSSSOA</i>	<i>AMB</i>	<i>52 hours</i>

Nandini
Dr. Venkatesh Ididuru

JUNE 2022

SL#	DATE	CAB	EXPERIMENT	SIGN
1	1.6.22	AMB B ₁ (11.30 - 1.30)	Azospirillum isolatum	<u>[Signature]</u>
2	1.6.22	AMB B ₂ (1.30 - 3.30)	Azospirillum isolatum	<u>[Signature]</u>
3	2.6.22	AMB D ₁ (1.30 - 3.30)	Azospirillum isolatum	<u>[Signature]</u>
4	2.6.22	AMB F ₁ (3.30 - 5.30)	Azospirillum isolatum	<u>[Signature]</u>
5	3.6.22	AMB F ₂ (9.30 - 11.30)	Azospirillum isolatum	<u>[Signature]</u>
6	4.6.22	AMB B ₂ (9.30 - 11.30)	Azospirillum isolatum	<u>[Signature]</u>
7	4.6.22	AMB D ₂ (2.30 - 4.30)	Azospirillum isolatum	<u>[Signature]</u>
8	20.6.22	AMB A ₁ (11.30 - 1.30)	Presentation	<u>[Signature]</u>
9	21.6.22	AMB - E ₁ (11.30 - 1.30)	Presentation	<u>[Signature]</u>
10	21.6.22	AMB - A ₂ (1.30 - 3.30)	Presentation	<u>[Signature]</u>
11	22.6.22	AMB - B ₁ (11.30 - 1.30)	Revision	<u>[Signature]</u>
12	22.6.22	AMB - E ₂ (1.30 - 3.30)	Revision	<u>[Signature]</u>
13	23.6.22	AMB - D ₁ (1.30 - 2.30)	Revision	<u>[Signature]</u>
14	23.6.22	AMB - F ₁ (3.30 - 5.30)	Revision	<u>[Signature]</u>
15	24.6.22	AMB - F ₂ (9.30 - 11.30)	Record Connect	<u>[Signature]</u>
16	24.6.22	AMB - C ₂ (1.30 - 3.30)	Revision	<u>[Signature]</u>
17	25.6.22	AMB - B ₂ (9.30 - 11.30)	Revision	<u>[Signature]</u>
18	25.6.22	AMB - D ₂ (2.30 - 4.30)	Revision	<u>[Signature]</u>
19	27.6.22	AMB A ₁ (11.30 - 1.30)	Record Connect	<u>[Signature]</u>
20	27.6.22	AMB E ₁ (11.30 - 3.30)	Revision	<u>[Signature]</u>
21	28.6.22	AMB B ₁ (11.30 - 1.30)	Revision	<u>[Signature]</u>
22	28.6.22	AMB A ₂ (1.30 - 3.30)	Record Connect	<u>[Signature]</u>
23	29.6.22	AMB B ₁ (11.30 - 1.30)	Revision	<u>[Signature]</u>
24	29.6.22	AMB F ₂ (1.30 - 3.30)	Revision	<u>[Signature]</u>
25	30.6.22	AMB D ₁ (1.30 - 3.30)	Record Connect	<u>[Signature]</u>
26	30.6.22	AMB F ₁ (3.30 - 5.30)	Record Connect	<u>[Signature]</u>

LABORATORY EQUIPMENT OK CERTIFICATE

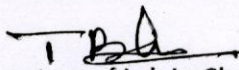
Department: Agronomy

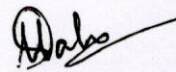
Name of Faculty In-Charge: Ms. Monalisa Sahoo

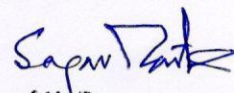
Laboratory Name: Agronomy lab (UG)

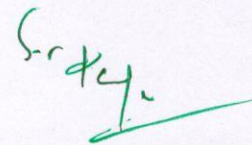
Name of Lab In-Charge: Mr. Tripati bhuyan

S.no	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab Equipment
1	DOUBLE RING INFILTRMETER	22-10-16	JUNE 2022	EVERY 3 MONTH INTERVAL	OK
2	HCT AIR OVEN	22-10-16	JUNE 2022		OK
3	TENSIOMETER	22-10-16	JUNE 2022		OK
4	P ^H METER	22-10-16	JUNE 2022		OK
5	EC METER	22-10-16	JUNE 2022		OK
6	CORE SAMPLER	22-10-16	JUNE 2022		OK
7	PARSHALL FLUME	22-10-16	JUNE 2022	NO NEED	OK
8	RECTANGULAR WEIR	22-10-16	JUNE 2022		OK
9	TRIANGULAR WEIR	22-10-16	JUNE 2022		OK
10	TRAPEZOIDAL WEIR	22-10-16	JUNE 2022		OK
11	MOISTURE METER	22-10-16	JUNE 2022		OK


Signature of Lab In-Charge


Signature of Faculty In-Charge of Lab


Signature of HoD





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LABORATORY EQUIPMENT OK CERTIFICATE

Department: Agronomy

Name of Faculty In-Charge: Mr. Triptesh Mondal

Laboratory Name: Agronomy lab(PG)

Name of Lab In-Charge: Ms. Archana Behera

S.no	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab Equipment
12.	ORIFICES	22-10-16	JUNE 2022	NO NEED	OK
13.	DIGITAL WEIGHT BALANCE	22-10-16	JUNE 2022	EVERY 3 MONTH INTERVAL	OK
14.	WATER BATH	22-10-16	JUNE 2022		OK
15.	SCREW AUGAR	22-10-16	JUNE 2022		OK
16.	HOT PLATE	22-10-16	JUNE 2022		OK
17.	MOISTURE BOX	22-10-16	JUNE 2022		OK
18.	WEIGHT BALANCE	22-10-16	JUNE 2022		OK
19.	PYCONOMETER	22-10-16	JUNE 2022		OK
20.	MESH AND TEST TUBE	22-10-16	JUNE 2022		OK
21.	KELPLUS (Nitrogen analyser)	20-10-17	JUNE 2022		EVERY 3 MONTH INTERVAL
22.	OIL EXTRACTION	20-10-17	JUNE 2022	OK	
23.	DIGESTION UNIT	20-10-17	JUNE 2022	OK	
24.	LUX METER	20-10-17	JUNE 2022		OK
25.	ROTARY SHAKER	20-09-18	January 2022		Repair
26.	FLAME PHOTOMETER	22-10-16	JUNE 2022		OK

Archana Behera

Signature of Lab In-Charge

Triptesh Mondal 30/06/22

Signature of Faculty In-Charge of Lab

Sapna Tripathy

Signature of HoD

S. Tripathy

LABORATORY USAGE REPORT

Name of the Laboratory: AGRONOMY- I & II

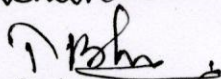
Department/ School: DEPT.OF AGRONOMY

Lab usage report for the month: JUNE

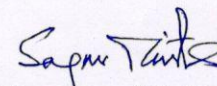
Year: 2022

Programs of the department	Total hours utilized in the month	Utilized by Dept./ School (write the list in the table below)	Utilized by (Program name & course name)	No. of hours used by each of them as given in column
(1)	(2)	(3)	(4)	(5)
M.Sc (Ag) and B.Sc(Ag.)	288	AGRONOMY M.Sc.	Management of problem soils and water	16
			Agronomy of major cereals and pulses	16
			Agronomy of oil seed, fibre and sugarcane crops	16
			Cropping systems and sustainable agricultre	8
			Lab use for analysis (M.Sc.Ag. students)	40
		B.Sc	Introductory Agro meteorology and climate change	48
			Irrigation water management	96
			Introduction to Agroforestry	48

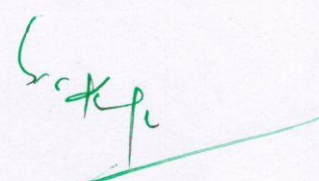
Arachana Bahera



Signature of Lab In-Charge



Signature of HoD



Department: Horticulture

Laboratory Name: Post Harvest Lab

Name of the faculty in-charge : Dr. Anant Tamang

Sl.No.	Name of Equipment	Manufacturing Date	Last Service Date	How often does it need servicing	Condition of Lab Equipment
1	Autoclave	10-01-2019	02-02-2020	Monthly	Working
2	Bottle sealer	14-02-2016	06-03-2021	Quarterly	Working
3	Cylinder Gas	13-12-2015	16-03-2022	Monthly	Working
4	Juice extractor	28-01-2017	13-09-2019	Quarterly	Working
5	Mag-stirrer	21-12-2018	18-12-2019	Monthly	working
6	Mango Pulp machine	04-02-2016	13-12-2019	Quarterly	working
7	Mixer Grinder	16-02-2015	08-08-2021	Monthly	Working
8	pH meter	07-01-2017	28-08-2021	Monthly	NOT Working
9	Poly pouch sealer	17-12-2014	28-11-2019	Quarterly	Working
10	Potato slicer	28-01-2017	26-03-2021	Quarterly	Working
11	Refractrometer	06-02-2014	30-04-2021	Quarterly	Working
12	Refrigerator	12-03-2022	12-03-2022	Monthly	Working
14	Water Bath	20-05-2018	07-07-2021	Monthly	Working
15	Hot Air Oven	09-01-2017	03-04-2020	Monthly	Working
16	Apple Cutter	20-11-2021	12-04-2022	Monthly	Working

Signature of Lab - in-charge

Mr. Madhura Bachan Chinchani

Madhura Bachan Chinchani

Signature of faculty in-charge

Dr. Anant Tamang

Signature of HOD

Dr. Nilanjana Datta

[Handwritten signature]
02.07.22

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LABORATORY EQUIPMENT OK CERTIFICATE

Department: Horticulture

Laboratory Name: Fundamentals of Horticulture

Name of the faculty in-charge : Dr. Subhrajyoti Chatterjee

Sl.No.	Name of Equipment	Manufacturing Date	Last Service Date	How often does it need servicing	Condition of Lab Equipment
1	Hand sprayer	13-02-2016	11-04-2021	Monthly	Working
2	Pruning shear	19-06-2015	13-09-2017	Monthly	Working
3	Secateurs	18-09-2014	09-04-2021	Monthly	Working
4	Seed desiccator	09-05-2018	20-03-2021	Monthly	Working
5	Hedge Shear	03-08-2021	25-08-2021	Monthly	Working
6	Budding knives	03-11-2018	20-04-2021	Monthly	Working
7	Rose cans	04-10-2019	25-08-2021	Monthly	Working
8	Hand Hoe	29-10-2018	20-08-2021	Monthly	Working
9	Crow Bar	05-08-2021	05-08-2021	Monthly	Working
10	Sickle	05-08-2021	07-08-2021	Monthly	Working
11	Hand Saw	05-10-2019	26-08-2021	Monthly	Working
12	Garden Rake	10-03-2021	27-08-2021	Monthly	Working

Signature of Lab In-Charge

Mr. Madhura Bachan Chinchani *Madhura Bachan Chinchani*

Signature of Faculty In-Charge

Dr. Subhrajyoti Chatterjee *Subhrajyoti Chatterjee*

Signature of HOD

Dr. Nilanjana Dutta *Nilanjana Dutta*

02.07.22

2.07
mm
Subhrajyoti

LABORATORY EQUIPMENT OK CERTIFICATE

Department: Horticulture
Laboratory Name: MSc. Horticulture
Name of the faculty in-charge : Dr. Barsha Tripathy

Sl.No.	Name of Equipment	Manufacturing Date	Last Service Date	How often does it need servicing	Condition of Lab Equipment
1	Centrifuge	09-05-2018	30-04-2021	Quarterly	Working
2	Computer system	10-01-2018	02-03-2021	Quarterly	Working
3	Heater	09-05-2018	20-04-2021	Monthly	Working
4	Hot air oven	10-01-2018	30-04-2021	Monthly	Working
5	Mixer Grinder	05-08-2021	05-08-2021	Monthly	Working
6	Microscope	07-01-2017	09-04-2021	Monthly	Working
7	Chlorophyll content meter	05-12-2018	20-07-2021	Monthly	Working
8	Refractrometer	06-02-2014	30-04-2021	Quarterly	Working
9	Refrigerator	02-09-2-14	25-03-2021	Monthly	Working
10	Seed desiccator	09-05-2018	20-3-2021	Monthly	Working
11	Spectrophotometer	09-05-2018	30-04-2021	Monthly	Working
12	Water bath	07-01-2020	09-04-2021	Monthly	Working
13	Digital weighing Balance	20-07-2021	31-08-2021	Monthly	Not Working
14	Weighing balance	19-04-2018	20-07-2021	Monthly	Working
14	p ^H meter	02-08-2021	02-08-2021	Monthly	Working

Signature of Lab In-Charge :

Mr. Madhura Bachan Chinchani *Madhura Bachan Chinchani*

Signature of Faculty In-Charge :

Dr. Barsha Tripathy *Dr. Barsha Tripathy*

Signature of HOD :

Dr. Nilanjana Dutta *Dr. Nilanjana Dutta*

Dr. Nilanjana Dutta
02.07.22

Dr. Barsha Tripathy
30.6.22

S. K. Saha

LABORATORY USAGE REPORT

Name of the Laboratory: Post Harvest, B.Sc Horticulture, M.Sc Horticulture
 Department/School: Horticulture

Lab usage report for the month of June year 2022

No. of working hours of the month (1)	Total hours utilized in the month (2)	Utilised by Dept/ School (write the list in the table below) (3)	Utilised by (Program name & course name) (4)	No. of hours used by each of them as given in column (5)
268 hour	261 hour	Post Harvest Lab	AELP Student	158 hour
		B.Sc Horticulture	M.Sc Research Student	103 hour



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LABORATORY EQUIPMENT OK CERTIFICATE

Department: Soil Science & Agricultural Chem. Name of faculty In charge: Limbraj Parshuram Pholane

Laboratory Name: Soil Science & Agri-chem. Name of lab In-charge: Kuladeep Bardhan

Name of equipment	Date of purchase	Last service Date	How often does it need servicing	Condition of lab equipment
pH meter	04/08/17	27/12/19	Quarterly	working
Conductivity meter	06/02/16	31/08/19	Quarterly	working
Spectrophotometer	22/08/13		Quarterly	working
Flame photometer	31/08/13	18/02/19	Quarterly	working
Rotary shaker	01/09/14	29/12/21	Yearly	working
Kelplus nitrogen distillation unit	05/03/16		Quarterly	working
Hot plate	02/02/19		Yearly	working
Mechanical stirrer	25/08/13		Yearly	working
Electronic balance	04/08/17	29/12/21	Quarterly	working
Digital balance	02/08/17		Quarterly	working
Hot air oven	06/08/17	18/02/19	Yearly	working
Water bath	02/02/19		Yearly	working
Distilled water unit	04/08/17		Yearly	Not working

Kuladeep Bardhan 30.06.22
Signature of lab In-charge

Pholane 20/6/2022
Signature of faculty In-charge

For

Arjunabha Pal
30.06.22
Signature of HOD
Dept. of Soil Science &
Agricultural Chemistry
MSSSoA CUTM

S. S. S.

LABORATORY USAGE REPORT

Name of the laboratory: soil science laboratory

Department/school: Dept. of Soil Science & Agril. Chemistry

Lab usage report for the month of June, 2022

No. of working hours of the month	Total hours utilized in the month	Utilized by Dept./school (write the list in the table below)	Utilized by (program name & course name)	No. of hours by each of them as given in column	
200 hours	110 hours	B.Tech (Agriculture)	Fundamental of Soil Science	8 hours	
		M.Sc (Agronomy)	Management of Problem Soil and Water	12 hours	
		AELP	Soil Testing Unit	60 hours	
		Other		30 hours	
		Total			110 hours

Kuladeep Bardhan
30-06-22.

HP
30/6/2022

Amunabha Pal
30.06.22

Dept. of Soil Science &
Agricultural Chemistry
MSSSOA CUTM

Sir

LABORATORY EQUIPMENT CERTIFICATE

Department: ENTOMOLOGY Name of Faculty In-Charge: Dr. Nihal (DATE: 30/06/2022)

Laboratory Name: Entomology Lab Name of Lab In-Charge: M. RAMESH

S.no	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab Equipment
1	Sprayers	10-05-2015	07-08-2020	yearly	5 liter sprayer (4) not Working
2	Microscopes	29-03-2018			Working
3	Projector	07-03-2018	07-08-2020		Working
4	Light Trap	11-07-2018			Working
5	Motor (1/3 HP)	30-08-2017			Working
6	PH meter	21-12-2018			Working & cable not working
7	Binocular Microscopes	21-12-2018		Half yearly	Working
8	Weighing Machine(200g)	1-12-2018			Working & cable not working
9	Soxhlet Apparatus	30/11/2018		Half yearly	Working
10	Oven	21/01/2019		Half yearly	Working
11	Mixer Grinder	28/08/2017		Yearly	Working
12	Weghing Balance 3 kg	01/05/2019		Yearly	Working
13	Bee Hives	09/01/2019		Not required	working
14	Weighing Machine(3kg)	01.05.2019		Yearly	working

M. Ramesh

Signature of Lab In-Charge

M. Ramesh
21/06/2022

Dr. Nihal Signature of Faculty-in-Charge of Lab

Signature of HoD

Nihal 02.07.22

Manish K Yadav
22/07/22
Faculty in-charge

Signature

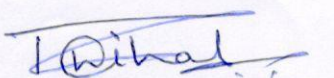
LABORATORY LOG REGISTER

Name of the Laboratory: **Entomology**

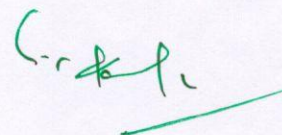
Department/School: **Entomology**

Lab Log Register for the month of **JUNE** Year **2022**

S.no	Date	Lab used by	Total allotted Hours	No. of hours used
1.	01-06-2022 to 30-06-2022	Ms. V. Ramalaxmi	16 Hours	16 Hours
2.	"	Dr. Sunil Rathod	32Hours	30 Hours
3.	"	Mr. Deepayanpadhy	16 Hours	16 Hours
4.	"	Dr. ManishKYadav	16 Hours	16 Hours
5.	"	Dr. Nihalkumar <i>R</i>	16 Hours	16 Hours
6.	"			
7.	"	Total	96 Hours	94 Hours


Dr. Nihal 02.

Signature of the Hod



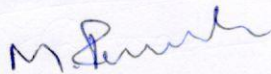
LABORATORY USAGE REPORT

Name of the Laboratory: ENTOMOLOGY

Department/ School: DEPT. OF ENTOMOLOGY

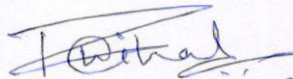
Lab usage report for the month: JUNE Year: 2022

No. of working hours of the month (1)	Total hours utilized in the month (2)	Utilized by Dept/ School (write the list in the table below) (3)	Utilized by (Program name & course name) (4)	No. of hours used by each of them as given in column (5)
96 hours	94 hours	Entomology	FE-1	94 Hours




M. Ramesh

Signature of Lab In-Charge

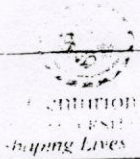


Signature of HoD

02.09.22



Dr. Nihal



M S Swaminathan School of Agriculture

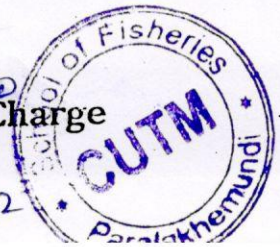
Laboratory Equipment Ok Certificate for the Month of : 04-04-22

- A. Department Name : School OF Fisheries
 B. Name of Faculty In-Charge : Dr. Ngairangbam Sushila.
 C. Laboratory Name : Aquatic Animal Health management Lab
 D. Name of Lab. In-Charge : R. Govinda Rao

	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab. Equipment
1.	Digital pH Meter	27.10.17	23.12.18	6 Months	Working
2.	Conductivity Meter	27.10.17	02.04.19	6 Months	Working
3.	Compound Microscope	27.10.17	02.04.19	6 Months	Not Working
4.	Refractometer	27.10.17	09.02.19	3 months	Working
5.	Homogenizer	17.09.18	09.02.19	6 Months	Working
6.	Microtome	29.10.17	23.12.18	6 Months	Not Working
7.	Hot Air oven	27.10.17	23.12.18	6 Months	Working
8.	Water bath	17.09.18	23.12.18	6 Months	Working
9.	Autoclave	17.09.18	09.02.19	6 Months	Working
10.	Digital Colony Counter	17.09.18	09.02.19	6 Months	Working
11.	Precision weighing balance	17.09.18	09.02.19	6 months	Not Working
12.	Distillation Unit	11.11.21		6 months	Not Working
13.	Laminar Air Flow Chamber	02.04.22			Working
14.	Refrigerator	04.04.22			Working
15.	Incubator	27.05.22			Working
16.	Frizer				Working

R. Govinda Rao
Signature of Lab In-Charge

For Hanyoukum
Signature of HoD



Ng. Sushila
Signature of Faculty-in-Charge of Lab

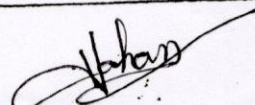
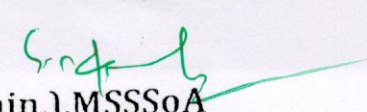
Dean(Admin.), MSSSoA

Laboratory Equipment Ok Certificate for the Month of: June

- A. Department Name : Fisheries Science
 B. Name of Faculty In-Charge : Talal Jahon
 C. Laboratory Name : Aquaculture Lab
 D. Name of Lab. In-Charge : Momikomtha Baxi

Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab. Equipment
1. Weighing Balance	27.10.17	17.09.18	6 Months	Working
2. Refractometer	27.10.17	17.09.18	3 Months	Working
3. D.O. Meter	27.10.17	17.09.18	6 Months	Working
4. Conductivity Meter	27.10.17	17.09.18	6 Months	Working
5. Magnetic Stirrer	27.10.17	17.09.18	6 Months	Working
6. Compound Microscope	27.10.17	17.09.18	6 Months	Not Working
7. Digital pH Meter	27.10.17	17.09.18	6 Months	Working
8. Temperature Meter	25.01.22	-	6 Months	Working
9. Purifier	21.03.22	-	6 Months	Working

Momikomtha
 Signature of **HEAD** of Lab of Fisheries
 School of Fisheries
 CUTM, Paralakhemundi, Dt-Gajapati
 Odisha, Pin-761211
 Fa Hany
 Signature of HoD 17/22


 Signature of Faculty-in-Charge of Lab
 Dean(Admin.), MSSoA


Laboratory Equipment Ok Certificate for the Month of: June

- A. Department Name : Fisheries Science
 B. Name of Faculty In-Charge : Haryouku Kim
 C. Laboratory Name : Fish Processing Lab
 D. Name of Lab. In-Charge : Momi Komata Bomi

Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab. Equipment
1. Deep freezer	17.09.18	09.02.19	6 Months	Not Working
2. Vacuum Drying	13.04.19	15.10.19	6 Months	Working
3. Fish Deboner	10.05.19	15.10.19	6 Months	Not Working
4. Weighing Balance	27.07.21	-	6 Months	Working
5. Mixer Grinder	27.07.21	-	6 Months	Working
6. Seal Machine	12.08.21	-	6 Months	Working

Momi Komata Bomi
 Signature of Lab. In-Charge
 School of Fisheries
 CUTM, Paralakhemundi, Dt-Gajapati
 Odisha, Pin-761211
 For. Haryouku Kim
 Signature of HoD

Haryouku Kim
 Signature of Faculty-in-Charge of Lab
 Dean (Admin.), MSSSoA



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Empowering Communities...*



LABORATORY EQUIPMENT OK CERTIFICATE

Department: Biotechnology Laboratory

HOD: Dr. Satyabrata Nanda

Name of Faculty In-Charge: Ms. Panchashree Das

Laboratory Name: Biotechnology Laboratory

Name of Lab In-Charge: Ms. Swapna Rani Nag

Month: June-2022

S.No.	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of lab Equipment
1.	-80 C Freezer	12/2016	27/11/2021	Once a year	Working
2.	-20 C Freezer	12/2016	One year	Once a year	Working
3.	Laminar air flow	12/2016	----do----	Once a year	Working
4.	Centrifuge	05/2016	----do----	Once a year	Working
5.	Cooling Centrifuge	09/2017	----do----	Once a year	Working
6.	Microfuge	29/2017	----do----	Once a year	Working
7.	Ice Flaking Machine	07/2016	----do----	Once a year	Working
8.	Rt-PCR	03/2016	----do----	Once a year	Working
9.	PCR	01/2016	----do----	Once a year	Working
10.	Gradient PCR	05/2017	----do----	Once a year	Needs to repaired
11.	Gel Electrophoresis	12/2015	----do----	Once a year	Working
12.	Gel Documentation System	04/2017	----do----	Once a year	Working
13.	Thermostatic Water Bath	12/2016	----do----	Once a year	Working
14.	Oil Bath	14/2017	----do----	Once a year	Needs to repaired
15.	Hybridization Blot	08/2016	----do----	Once a year	Working
16.	Vortex machine	01/2017	----do----	Once a year	Working
17.	Spectrophotometer	01/2014	----do----	Once a year	Working
18.	Microwave oven	01/2017	----do----	Once a year	Working
19.	Electronic Balance	25/2016	----do----	Once a year	Working
20.	Orbital Shaking incubator	02/2017	----do----	Once a year	Working
21.	Portable Autoclave	31/2017	----do----	Once a year	Needs to repaired
22.	Digital PH Meter	11/2021	----do----	Once a year	Working
23.	Weigh Balance	11/2021	----do----	Once a year	Working
24.	Double Distillation Apparatus	11/2021	----do----	Once a year	Working
25.	MiliQ Water Purification System	05/2022	----do----	Once a year	Working

Signature

Signature of Lab In-Charge

Signature

Signature of Faculty-In-Charge of Lab

Signature

Signature of the Department Head

MSSSOA, CUTM,
Paralakhemundi, Odisha



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LABORATORY EQUIPMENT OK CERTIFICATE

Laboratory Name : Agricultural Microbiology

Name of Faculty In-Charge : Dr. Siddharth Das

Name of Lab In-Charge : Mr. Radhakrushna Panigrahy

*Radha krushna
panigrahy*

Month :

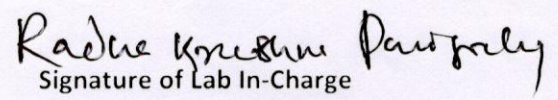
Name of Equipment	No.	Manufacturing Date(Date of purchase)	Condition of Lab Equipment
Autoclave	2	01.03.2021 18.03.2021	Working
Hot air oven	1	14.07.2021	Working
Incubator	1	01.03.2021	Working
Laminar air flow chamber	1	01.03.2021	Working
Digital balance	1	18.03.2021	Working
pH meter	1	18.03.2021	Working
Student Microscopes	10	18.03.2021	Working
Stereo binocular microscope	05	01.03.2021	Working
Colony counter	1	01.03.2021	Working
Centrifuge	1	01.03.2021	Working

*3 shifted
to spawn unit*

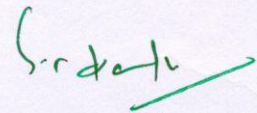
Occular meter	5	18.03.2021	Working
Stage micrometer	5	18.03.2021	Working
Slide rack	1	18.03.2021	Working
Hot air oven	1	01.08.2021	Working
Orbital shaker	1	04.09.2021	Working



Signature of Faculty In-Charge

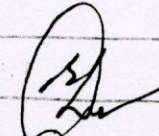
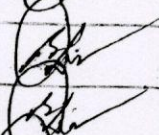
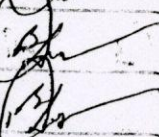


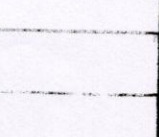


Signature of Lab In-Charge



6

" JUNE "

Sl.No.	Date	Lab	Experiment	Sign
①	03/06/22	AMB Sec-C-2	Microbial	
2	4.16/22	AMB	population study	
3	'	AMB	Medic Preparation	
4		AMB	Gram staining	
5	24-6-22	AMB	Isolation of micro	
6	27-6-22	AMR	Rhizobium, Azolobu Fun	

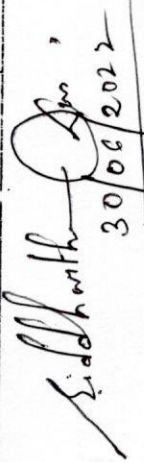
LABORATORY USAGE REPORT

Name of the Laboratory:

Department/ School:

Lab usage report for the month of JUNE year 2022

No. of working hours of the month (1)	Total hours utilized in the month (2)	Utilised by Dept/ School (write the list in the table below) (3)	Utilised by (Program name & course name) (4)	No. of hours used by each of them as given in column (5)
12 hours	12 hours	MSSSDA	AMB	12 hours


 Siddharth
 30/06/2022

16



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LABORATORY EQUIPMENT OK CERTIFICATE

Laboratory Name: Phytopharmma Lab

Name of Faculty In-Charge: Dr. Poulami Sil

Name of Lab In-Charge: Ms. Swapna Rani Nag

Month: June-2022

Sl.No.	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab Equipment
1	Probe Sonicator	06/04/2021	Once in 6 th months after installation	Every six Months Interval	Good
2	Liophiliser	06/04/2021	----do----	Every six Months Interval	Good
3	Freezer Dryer	16/08/2021	----do----	Every six Months Interval	Good

4	Centrifuge	06/04/2021	----do----	Every six Months Interval	Good
5	Digital Rotational Viscometer	06/04/2021	----do----	Every six Months Interval	Good
6	Magnetic Stirrer	06/04/2021	----do----	Every six Months Interval	Good
7	Weigh Balance	06/04/2021	----do----	Every six Months Interval	Good
8	Rota vapour	06/04/2021	----do----	Every six Months Interval	Good
9	Refrigerated Centrifuge	06/04/2021	----do----	Every six Months Interval	Good
11	Ultrasonic Bath	06/04/2021	----do----	Every six Months Interval	Needs to be Repaired
12	Hot Air Oven	06/04/2021	----do----	Every six Months Interval	Good
13	Homogenizer	06/04/2021	----do----	Every six Months Interval	Good
14	Lab Stirrer	06/04/2021	----do----	Every six Months Interval	Good
15	UV/VIS Spectrophotometer	06/04/2021	----do----	Every six Months Interval	Needs to be repaired (Software update)

16	HPLC	06/04/2021	----do----	Every six Months Interval	Good
17	Dissolution Test Apparatus	06/04/2021	----do----	Every six Months Interval	Good
18	Data Printer	06/04/2021	----do----	Every six Months Interval	Needs to be Repaired
19	Chromatography Column	21/01/2022	----do----	Every six Months Interval	Good
20	Paper Chromatography Cabinet	21/01/2022	----do----	Every six Months Interval	Good
21	Digital pH Meter	21/01/2022	----do----	Every six Months Interval	Good

Signature of Lab In-Charge

Signature
21/01/22

Signature of Faculty-In-Charge of Lab

Signature
21.7.22

Signature



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LABORATORY EQUIPMENT OK CERTIFICATE

Laboratory Name: Animal Cell Culture Lab

Name of Faculty In-Charge: Dr. Preetha Bhadra

Name of Lab In-Charge: Ms. Swapna Rani Nag

Month: June-2022

Sl.No.	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of lab Equipment
1	CO ₂ Incubator	08/04/2022	Once in 6 th months after installation	Every six Months Interval	Good
2	Cooling Centrifuge	08/02/2022	----do----	Every six Months Interval	Good

3	Digital Water Bath	23/11/2021	----do----	Every six Months Interval	Good
4	Liquid Nitrogen Container	23/11/2021	----do----	Every six Months Interval	Good
5	Micro Plate Reader	18/02/2022	----do----	Every six Months Interval	Good
6	Bio Safety Cabinet	28/06/2022	----do----	Every six Months Interval	Good
7	Digital pH Meter	14/03/2022	----do----	Every six Months Interval	Good
8	Cyclo Mixer	08/12/2021	----do----	Every six Months Interval	Good
9	Trinocular Microscope	17/05/2022	----do----	Every six Months Interval	Good
10	Heamocytometer	23/11/2021	----do----	Every six Months Interval	Good

Alucina

Signature of Lab In-Charge



Signature of Faculty-In-Charge of Lab

S. S. S.

Centurion University of Technology and Management
M S Swaminathan School of Agriculture
Laboratory Equipment Ok Certificate

Date: 04.04.2022

To,

The Registrar
CUTM, Paralakhemundi

The following departments of M S Swaminathan School of Agriculture is given their laboratory equipment Ok certificate. The list is attached here with. Please release the salary of School of Agriculture for the month of March 2022.

1. Crop Physiology and Bio Chemistry
2. Plant Pathology
3. Agronomy
4. Horticulture
5. Agricultural Chemistry and Soil Science
6. Genetics and Plant Breeding and Seed Science & Technology
7. Entomology
8. Fishery Department
9. Biotechnology
10. Agricultural Microbiology
11. Phytopharmaceuticals

Dean(Admin.), MSSSoA
Srinivasulu
08-4-2022

Approved / ~~Not Approved~~

ASD
Registrar

LABARATORY EQUIPMENT OK CIRTIFICATE

Department : Crop Physiology & Biochemistry


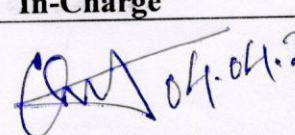
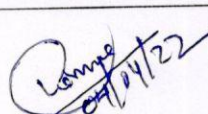
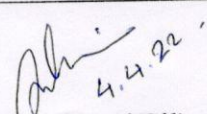
Name of Faculty In-charge : Dr. Dinkar J. Gaikwad

Labaroty Name: Crop Physiology & Plant Biochemistry

Name of lab In-Charge : Mr. Chiranjeevi Limma

Month: *March - 2022*

Sl. No.	Name of Equipment's	Manufacturing Date	Last Service Date	How often does it need Servicing	Condition of Lab Equipment
1	Sensitive balance (2)	29/10/18	One year after Installation	Once a year	Good
2	Hot air oven	20/03/18	----do----	Once a year	Good
3	Water bath (2)	05/02/18	----do----	Once a year	Need to repair a coils
4	Colori meter	07/08/18	----do----	Once a year	Good
5	Paper chromatography	20/03/18	----do----	Once a year	Good
6	pH meter (2)	16/07/18	----do----	Once a year	Good
7	Hair dryer	07/08/18	----do----	Once a year	Good
8	Spectrophotometer	15/02/15	----do--	Once a year	Good
9	Leaf area meter	20/02/15	---do---	Once a yaer	Good
10	UV Transilluminator	17/02/19	---do---	Once a year	Good
11	Paper Electrophoresis		----do--	Once a year	Good
12	Gel Electrophoresis		----do---	Once a year	Good

Sl.No.	Name of the Laboratory	Signature of the Technical In-Charge	Signature of the Faculty In-Charge
1.	Plant Physiology	 (Mr. Chiranjeevi Limma)	 (Mr. Chandrasekhar Sahu)
2	Plant Biochemistry	 (Mr. Chiranjeevi Limma)	 (Dr. Poulami Sil)

Dr. Dinkar J. Gaikwad
(In-charge)
(Dr. Dinkar J. Gaikwad)
Signature of HOD

Crop Physiology & Plant Biochemistry



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LABORATORY EQUIPMENT

Department: PLANT PATHOLOGY

Name of faculty in-charge: *Dr. J. Venkatesh*

Laboratory name : PLANT PATHOLOGY

Name of lab in-charge: *Nandini Dash*

Name of Equipment	No.	Manufacturing Date (Date of purchase)	Last Service Date	How Often does it need servicing	Condition of Lab Equipment
Autoclave	2	22/8/13 22/3/17	25/8/2015	Once in 2 years	Working
Hot air oven	1	22/3/17		Once in 2 years	Working
Incubator	1	-----		Once in 2 years	<u>Working</u>
Cooling incubator	1	8/12/18			<i>(under repair)</i>
Laminar air flow chamber	1	-----		Once in 2 years	Working
Microtome	1	2/1/17		Once in 2 years	Working
Digital balance	2	12/9/13 8/12/18		Once in 2 years	Working
pH meter	2	12/9/13 21/12/16		Once in 2 years	Working
Student Microscopes	19	5/1/16 1/2/17		Once in 2 years	<u>Working</u>
<i>(Stere)</i> binocular microscope	5	10/2/15 8/12/18			<i>Binocular - 1 microscope lamp (light) repair</i>
Centrifuge	2	22/8/13 8/12/18		Once in 2 years	Working

LABORATORY USAGE REPORT

Name of the Laboratory: Plant Pathology Laboratory

Department/ School: MSSSOA

Lab usage report for the month of MARCH year 2022

No. of working hours of the month (1)	Total hours utilized in the month (2)	Utilised by Dept/ School (write the list in the table below) (3)	Utilised by (Program name & course name) (4)	No. of hours used by each of them as given in column (5)
68 hours	64 hours	MSSSOA	DFHCN-I (4th Sem)	50 hours
		MSSSOA	IPPDM (6th Sem)	8 hours
		MSSSOA	Biopesticides (AELP)	4 hours
		MSSSOA	Nurseryroom (AELP)	2 hours

Name: ...

Signature

Signature

March 2022

33

Lab

Experiment

Sign

Sl. No.	Date	Topic	Experiment	Sign
1	2/3/2022	DFHCM - A ₁ (9.30-11.30)	Slide preparation	[Signature]
2	3/3/2022	DFHCM - C ₂ (1.30-3.30)	Slide preparation	[Signature]
3	3/3/2022	DFHCM - D (3.30-5.30)	Slide preparation	[Signature]
4	7/3/2022	DFHCM - F ₁ (7.30-9.30)	field visit	[Signature]
5	7/3/2022	DFHCM - E ₂ (2.30-4.30)	field visit	[Signature]
6	8/3/2022	DFHCM - F ₂ (7.30-9.30)	field visit	[Signature]
7	8/3/2022	DFHCM - B ₁ (11.30-1.30)	Slide preparation	[Signature]
8	8/3/2022	DFHCM - C ₁ (2.30-4.30)	Slide preparation	[Signature]
9	9/3/2022	DFHCM - A ₁ (9.30-11.30)	Slide preparation	[Signature]
10	13/3/2022	Biopesticides	Autoclave (45 min)	[Signature]
11	13/3/2022	Mushroom Student	Induction (20 min)	[Signature]
12	14/3/2022	DFHCM - F ₁ (9.30-11.30)	Slide preparation	[Signature]
13	14/3/2022	IPDM - A ₁ (9.30-11.30)	Plating & Inoculation	[Signature]
14	14/3/2022	IPDM - E ₁ (11.30-1.30)	Plating & inoculation	No clay
15	14/3/2022	DFHCM - E ₂ (2.30-4.30)	Slide preparation	[Signature]
16	15/3/2022	DFHCM - F ₂ (7.30-9.30)	Slide preparation	[Signature]
17	15/3/2022	IPDM - A ₂ (9.30-11.30)	Media preparation	[Signature]
18	15/3/2022	DFHCM - B ₁ (11.30-1.30)	Presentation	[Signature]
19	16/3/2022	DFHCM - A ₁ (9.30-11.30)	Presentation	[Signature]
20	16/3/2022	Mushroom AERP Student (10.30-12.30)	Media preparation	[Signature]
21	16/3/2022	DFHCM - B ₂ (11.30-1.30)	Presentation	[Signature]
22	17/3/2022	DFHCM - C ₂ (1.30-3.30)	Slide preparation	[Signature]
23	17/3/2022	DFHCM - D (3.30-5.30)	Slide preparation	[Signature]
24	21/3/2022	IPDM - E ₁ (11.30-1.30)	Review & presentation	[Signature]
25	21/3/2022	DFHCM - F ₁ (7.30-9.30)	Slide preparation	[Signature]
26	21/3/2022	DFHCM - E ₁ (2.30-4.30)	Slide preparation	[Signature]
27	22/3/22	DFHCM - F ₂ (7.30-9.30)	Slide preparation	[Signature]
28	22/3/22	DFHCM - B ₂ (11.30-1.30)	Slide preparation	[Signature]

LABORATORY EQUIPMENT OK CERTIFICATE [MARCH-2022]

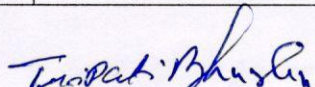
Department: Agronomy

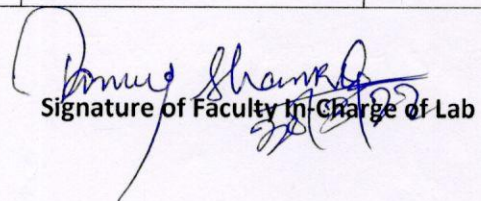
Name of Faculty In-Charge: Ms. Monalisa Sahoo

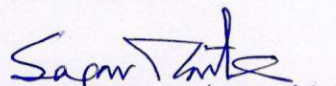
Laboratory Name: Agronomy lab

Name of Lab In-Charge: Mr. Tripati bhuyan

S.no	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab Equipment
1	DOUBLE RING INFILTROMETER	22-10-16	March 2022	EVERY 3 MONTH INTERVAL	OK
2	HOT AIR OVEN	22-10-16	March 2022		OK
3	TENSIOMETER	22-10-16	March 2022		OK
4	P ^H METER	22-10-16	March 2022		OK
5	EC METER	22-10-16	March 2022		OK
6	CORE SAMPLER	22-10-16	March 2022		OK
7	PARSHALL FLUME	22-10-16	March 2022	NO NEED	OK
8	RECTANGULAR WEIR	22-10-16	March 2022		OK
9	TRIANGULAR WEIR	22-10-16	March 2022		OK
10	TRAPEZOIDAL WEIR	22-10-16	March 2022		OK
11	MOISTURE METER	22-10-16	March 2022		OK


Signature of Lab In-Charge


Signature of Faculty In-Charge of Lab


Signature of HoD 31/3/2022



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LABORATORY EQUIPMENT OK CERTIFICATE

Department: Agronomy

Name of Faculty In-Charge: Mr. Triptesh Mondal

Laboratory Name: Agronomy lab

Name of Lab In-Charge: Ms. Archana Behera

S.no	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab Equipment
12.	ORIFICES	22-10-16	March 2022	NO NEED	OK
13.	DIGITAL WEIGHT BALANCE	22-10-16	March 2022	EVERY 3 MONTH INTERVAL	OK
14.	WATER BATH	22-10-16	March 2022		OK
15.	SCREW AUGAR	22-10-16	March 2022		OK
16.	HOT PLATE	22-10-16	March 2022		OK
17.	MOISTURE BOX	22-10-16	March 2022		OK
18.	WEIGHT BALANCE	22-10-16	March 2022		OK
19.	PYCONOMETER	22-10-16	March 2022		OK
20.	MESH AND TEST TUBE	22-10-16	March 2022		OK
21.	KELPLUS (Nitrogen analyser)	20-10-17	March 2022		EVERY 3 MONTH INTERVAL
22.	OIL EXTRACTION	20-10-17	March 2022	OK	
23.	DIGESTION UNIT	20-10-17	March 2022	OK	
24.	LUX METER	20-10-17	March 2022		OK
25.	ROTARY SHAKER	20-09-18	January 2022		Repair
26.	FLAME PHOTOMETER	22-10-16	March 2022		Repair

Archana Behera
30/03/2022
Signature of Lab In-Charge

Triptesh Mondal 30/03/2022
Signature of Faculty In-Charge of Lab

Sapna Tripathy
31/3/2022
Signature of HdD

LABORATORY USAGE REPORT

Name of the Laboratory: AGRONOMY- I & II

Department/ School: DEPT.OF AGRONOMY

Lab usage report for the month: March

Year: 2022

No. of working hours of the month (1)	Total hours utilized in the month (2)	Utilized by Dept/ School (write the list in the table below) (3)	Utilized by (Program name & course name) (4)	No. of hours used by each of them as given in column (5)
M.Sc (Ag) and B.Sc(Ag.)	100	AGRONOMY M.Sc.	Modern concepts in crop production	5
			Principles and practices of weed	8
			Principles and practices of water	8
			Physiology of growth and yield	4
			Lab use for analysis (M.Sc.Ag. students)	35
		B.Sc	Fundamental of Agronomy	40

Archana Behera
Signature of Lab In-Charge
Tarunika Mishra

Sagar Tripathi
Signature of HoD 31/3/2022

Department: Horticulture

Laboratory Name: Post Harvest Lab

Name of the faculty in-charge : Dr. Anant Tamang

Sl.No.	Name of Equipment	Manufacturing Date	Last Service Date	How often does it need servicing	Condition of Lab Equipment
1	Autoclave	10-01-2019	02-02-2020	Monthly	Working
2	Bottle sealer	14-02-2016	06-03-2021	Quarterly	Not-Working
3	Cylinder Gas	13-12-2015	16-03-2022	Monthly	Working
4	Juice extractor	28-01-2017	13-09-2019	Quarterly	Working
5	Mag-stirrer	21-12-2018	18-12-2019	Monthly	working
6	Mango Pulp machine	04-02-2016	13-12-2019	Quarterly	working
7	Mixer Grinder	16-02-2015	08-08-2021	Monthly	Working
8	pH meter	07-01-2017	28-08-2021	Monthly	NOT Working
9	Poly pouch sealer	17-12-2014	28-11-2019	Quarterly	Working
10	Potato slicer	28-01-2017	26-03-2021	Quarterly	Working
11	Refractrometer	06-02-2014	30-04-2021	Quarterly	Working
12	Refrigerator	12-03-2022	12-03-2022	Monthly	Working
14	Water Bath	20-05-2018	07-07-2021	Monthly	Working
15	Hot Air Oven	09-01-2017	03-04-2020	Monthly	Working

Signature of Lab - in-charge

Mr. Madhura Bachan Chinchani
Mr. Madhura Bachan Chinchani

Signature of faculty -in-charge

Dr. Anant Tamang
Nilanjana Datta
Dr. Anant Tamang
Dr. Nilanjana Datta

Signature of HOD

LABORATORY EQUIPMENT OK CERTIFICATE

Department: Horticulture

Laboratory Name: Fundamentals of Horticulture

Name of the faculty in-charge : Dr. Subhrajyoti Chatterjee

Sl.No.	Name of Equipment	Manufacturing Date	Last Service Date	How often does it need servicing	Condition of Lab Equipment
1	Hand sprayer	13-02-2016	11-04-2021	Monthly	Working
2	Pruning shear	19-06-2015	13-09-2017	Monthly	Working
3	Secateurs	18-09-2014	09-04-2021	Monthly	Working
4	Seed desiccator	09-05-2018	20-03-2021	Monthly	Working
5	Hedge Shear	03-08-2021	25-08-2021	Monthly	Working
6	Budding knives	03-11-2018	20-04-2021	Monthly	Working
7	Rose cans	04-10-2019	25-08-2021	Monthly	Working
8	Hand Hoe	29-10-2018	20-08-2021	Monthly	Working
9	Crow Bar	05-08-2021	05-08-2021	Monthly	Working
10	Sickle	05-08-2021	07-08-2021	Monthly	Working
11	Hand Saw	05-10-2019	26-08-2021	Monthly	Working
12	Garden Rake	10-03-2021	27-08-2021	Monthly	Working

Signature of Lab In-Charge

P. Vijayalakshmi

Madhura Bache
Chun Chun

Signature of Faculty In-Charge

Dr. Subhrajyoti Chatterjee

Nilanjana Dutta
Dr. Nilanjana Dutta

Sullee
104.04
2021

Signature of HOD

LABORATORY EQUIPMENT OK CERTIFICATE

Department: Horticulture
Laboratory Name: MSc. Horticulture
Name of the faculty in-charge : Dr. Barsha Tripathy

Sl.No.	Name of Equipment	Manufacturing Date	Last Service Date	How often does it need servicing	Condition of Lab Equipment
1	Centrifuge	09-05-2018	30-04-2021	Quarterly	Working
2	Computer system	10-01-2018	02-03-2021	Quarterly	Working
3	Heater	09-05-2018	20-04-2021	Monthly	Working
4	Hot air oven	10-01-2018	30-04-2021	Monthly	Working
5	Mixer Grinder	05-08-2021	05-08-2021	Monthly	Working
6	Microscope	07-01-2017	09-04-2021	Monthly	Working
7	Chlorophyll content meter	05-12-2018	20-07-2021	Monthly	Working
8	Refractrometer	06-02-2014	30-04-2021	Quarterly	Working
9	Refrigerator	02-09-2-14	25-03-2021	Monthly	Working
10	Seed desiccator	09-05-2018	20-3-2021	Monthly	Working
11	Spectrophotometer	09-05-2018	30-04-2021	Monthly	Working
12	Water bath	07-01-2020	09-04-2021	Monthly	Working
13	Digital weighing Balance	20-07-2021	31-08-2021	Monthly	Not Working
14	Weighing balance	19-04-2018	20-07-2021	Monthly	Working
14	p ^H meter	02-08-2021	02-08-2021	Monthly	Working

Signature of Lab In-Charge :

[Signature] ~~Dr. Vijayalakshmi~~ *Dr. Nilanjana Dutta*

Signature of Faculty In-Charge :

Dr. Barsha Tripathy *[Signature]*
Dr. Nilanjana Dutta *[Signature]*

Signature of HOD :



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LABORATORY EQUIPMENT OK CERTIFICATE

Department: Soil Science & Agril. Chemistry Name of faculty In charge: Monisankar Bera

Laboratory Name: Soil Science & Agril. Chemistry Name of lab In-charge: Kuladeep Bardhan

Name of equipment	Date of purchase	Last service Date	How often does it need servicing	Condition of lab equipment
pH meter	04/08/17	27/12/19	Quarterly	working
Conductivity meter	06/02/16	31/08/19	Quarterly	working
Spectrophotometer	22/08/13		Quarterly	working
Flame photometer	31/08/13	18/02/19	Quarterly	working
Rotary shaker	01/09/14	29/12/21	Yearly	working
Kelplus nitrogen distillation unit	05/03/16		Quarterly	working
Hot plate	02/02/19		Yearly	working
Mechanical stirrer	25/08/13		Yearly	working
Electronic balance	04/08/17	29/12/21	Quarterly	working
Digital balance	02/08/17		Quarterly	working
Hot air oven	06/08/17	18/02/19	Yearly	working
Water bath	02/02/19		Yearly	working
Distilled water unit	04/08/17		Yearly	Not working

Kuladeep Bardhan
Signature of lab In-charge

Monisankar Bera
24/2/22
Signature of faculty In-charge

Rahul Althiyary
Signature of HOD 02/04/2022

Dept. of Soil Science &
Agricultural Chemistry
MSSSoA CUTM

LABORATORY USAGE REPORT

Name of the laboratory: soil science laboratory

Department/school: Dept. of Soil Science & Agril. Chemistry

Lab usage report for the month of March, 2022

No. of working hours of the month	Total hours utilized in the month	Utilized by Dept./school (write the list in the table below)	Utilized by (program name & course name)	No. of hours by each of them as given in column	
192 hours	98 hours	MSSSoA, B.Sc (Agriculture)	Manures, Fertilizer and Soil Fertility Management	68 hours	
		M.Sc (Botany)		8 hours	
		AELP, Organic Farm		10 hours	
		Other		10 hours	
		B.Tech (AG)	Fundamental of Soil science	2 hours	
		Total			98 hours

Kuladeep Barchon

Asena
2/4/22

Rohit Adhikary
02/04/2022
Dept. of Soil Science &
Agricultural Chemistry
MSSSoA CUTM



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LABORATORY EQUIPMENT OK CERTIFICATE

Department : Genetics and plant breeding

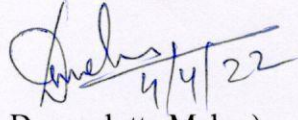
Name of Faculty In-charge : Mr. Durga Dutta Meher

Labaroty Name: Genetics and plant breeding

Name of lab In-Charge : Mr. Bhanuprasad bisoyi

Month: march 2022

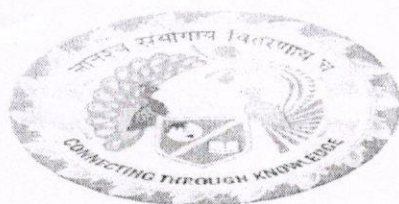
Sl.No.	Name of equipment	Manufacturing Date	Last Service date	How often does it need Servicing	Condition of lab Equipment
1.	Simple microscope	26/12/14	One year after Installation	Once a year	Good
2.	Compound microscope	13/08/15	----do----	Once a year	Good
3.	Binocular microscope	26/12/14	----do----	Once a year	2 microscope not working
4.	Microtome	06/09/19	----do----	Once a year	Not working
5.	Electronic weighing machine(0.08gm-200gm)	06/09/18	----do----	Once a year	Good
6.	Water distillation	19/06/2017	----do----	Once a year	Good
7.	Refrigerator	29/01/2018	----do----	Once a year	Good

Sl.No.	Name of the Laboratory	Signature of the Technical In-Charge	Signature of the Faculty In-Charge
1.	Genetic and Plant breeding	Bhanu Prasad Bisoyi 04/04/2022 (Mr. Bhanuprasad Bisoyi)	 4/4/22 (Mr. Durga Dutta Meher)

K. Krishnam Raju 4/4/22
(Dr. K. Krishnam Raju)

Signature of HOD

Genetics and Plant Breeding & Seed Science and Technology



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LABORATORY EQUIPMENT OK CERTIFICATE

Department : Seed Science and Technology

Name of Faculty In-charge : Dr. P. Susmita

Labaroty Name : Seed Science and Technology

Name of lab In-Charge : Mr. Bhanuprasad bisoyi

Month : march 2022

Sl.No.	Name of equipment	Manufacturing Date	Last Service date	How often does it need Servicing	Condition of lab Equipment
1.	Auto Calibration digital seed moisture meter	08/2016	One year after Installation	Once a year	Not working
2.	Automatic Seed counter	08/2016	----do----	Once a year	Good
3.	Seed Germinator	04/2015	----do----	Once a year	Not working
4.	Purity work board	08/ 2016	----do----	Once a year	Good
5.	Seed divider bonier type	08/2016	----do----	Once a year	Good
6.	Seed divider gamete type	08/2016	----do----	Once a year	Good
7.	Seed divider riffle type	07/2016	----do----	Once a year	Good
8.	Seed dryer	10/03/2017	----do----	Once a year	Good
9.	Water distillation	19/06/2017	----do----	Once a year	Good
10.	Refrigerator	29/01/2018	----do----	Once a year	Good

Sl.No.	Name of the Laboratory	Signature of the Technical In-Charge	Signature of the Faculty In-Charge
1.	Seed Science and Technology	Bhanuprasad Bisoyi 04/04/2022 (Mr. Bhanuprasad Bisoyi)	P. Susmitha 04/04/2022 (Dr. P. Susmitha)

K. Krishnamann Raja 4/4/22
(Dr. k. krishnamraju)

Signature of HOD

Genetics and Plant Breeding & Seed Science and Technology

LABORATORY EQUIPMENT CERTIFICATE

Department: ENTOMOLOGY

Name of Faculty In-Charge: Dr. Manish K Yadav (DATE:31/03/2022)

Laboratory Name: Entomology Lab

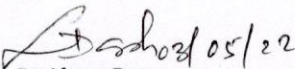
Name of Lab In-Charge: M. RAMESH

S.no	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab Equipment
1	Sprayers	10-05-2015	07-08-2020	yearly	5 liter sprayer (4) not Working
2	Microscopes	29-03-2018			Working
3	Projector	07-03-2018	07-08-2020		Working
4	Light Trap	11-07-2018			Working
5	Motor (1/3 HP)	30-08-2017			Working
6	PH meter	21-12-2018			Working & cable not working
7	Binocular Microscopes	21-12-2018		Half yearly	Working
8	Weighing Machine(200g)	1-12-2018			Working & cable not working
9	Soxhlet Apparatus	30/11/2018		Half yearly	Working
10	Oven	21/01/2019		Half yearly	Working
11	Mixer Grinder	28/08/2017		Yearly	Working
12	Weghing Balance 3 kg	01/05/2019		Yearly	Working
13	Bee Hives	09/01/2019		Not required	working
14	Weighing Machine(3kg)	01.05.2019		Yearly	Working
15	Desicator 150mm	25.10.2021			Working
16	Occular Micrometer	25.10.2021			Working

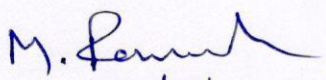
M.Ramesh

Manish Kumar Yadav


Signature of Lab In-Charge


Dr.Lipsa Das

Signature of Faculty-in-Charge of Lab


03/04/2022

Signature of HoD


03/04/22

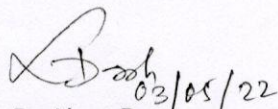
LABORATORY LOG REGISTER

Name of the Laboratory: **Entomology**

Department/School: **Entomology**

Lab Log Register for the month of **March** _Year 2022

S. No	Date	Lab used by	Total allotted (In Hours)	Time used (in hours)
1.	01-03-2022 to 31-03-2022	Ms. V. Ramalaxmi	32 Hours	28 Hours
2.	"	Dr. Lipsa Das	32 Hours	28 Hours
3.	"	Dr. Sudhasnsubala	0 Hours	0 Hours
4.	"	Dr. Sunil	32 Hours	28 Hours
5.	"	Mr. Deepayan Padhy	32 Hours	28 Hours
6.	"	Dr. Nihal R	32 Hours	28 Hours
7.	"	Dr. Manish K Yadav	32 Hours	28 Hours
		Total	192 Hours	168 Hours


03/05/22
Dr. Lipsa Das

Signature of the Hod

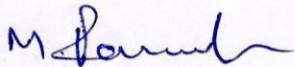
LABORATORY USAGE REPORT

Name of the Laboratory: ENTOMOLOGY

Department/ School: DEPT.OF ENTOMOLOGY

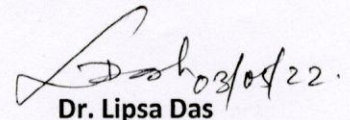
Lab usage report for the month: March Year: 2022

No. of working hours of the month (1)	Total hours utilized in the month (2)	Utilized by Dept/ School (write the list in the table below) (3)	Utilized by (Program name & course name) (4)	No. of hours used by each of them as given in column (5)
192 hours	168 hours	Entomology	PHCM IPESDM	168 Hours



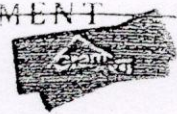
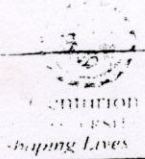
M.Ramesh

Signature of Lab In-Charge



Dr. Lipsa Das

Signature of HoD



M S Swaminathan School of Agriculture

Laboratory Equipment Ok Certificate for the Month of : March

- A. Department Name : fisheries Science
- B. Name of Faculty In-Charge : Ngairangbam Sushila.
- C. Laboratory Name : Aquatic animal Health Management
- D. Name of Lab. In-Charge : R. Govinda Rao

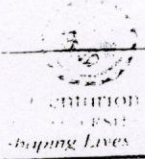
	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab. Equipment
1.	Digital pH meter	27.10.17	23.12.18	6 Months	Working
2.	Conductivity Meter	27.10.17	02.04.19	6 Months	Working
3.	Compound Micro scope	27.10.17	02.04.19	6 Months	Not Working
4.	Refractometer	27.10.17	09.02.19	3 Months	Working
5.	Homogenizer	17.09.18	09.02.18	6 Months	Working
6.	Microtome	29.12.17	27.12.18	6 Months	Working
7.	Auto Clave	17.09.18	09.02.19	6 Months	Not Working
8.	Water bath	17.09.18	23.12.18	6 Months	Working
9.	Digital Colony Counter	17.09.18	09.02.19	6 Months	Working
10.	precision weighing balance	27.10.17	17.09.18	6 Months	Not Working
11.	Distillation Unit	11.11.21		6 Months	Not Working
12.	Laminar Air flow chamber	02.04.22			Working
13.	Refrigerator	31.03.22			Working

Signature of Lab In-Charge
[Signature]

Signature of Faculty-in-Charge of Lab
Ng. Sushila
04/4/22

Signature of HOD
[Signature]
04/04/22

Dean (Admin.), MSSSoA
[Signature]




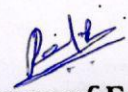
M S Swaminathan School of Agriculture

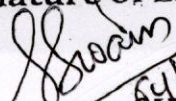
Laboratory Equipment Ok Certificate for the Month of : March

- A. Department Name : School of fisheries
- B. Name of Faculty In-Charge : Rahul. R
- C. Laboratory Name : Aquatic Environment Management Lab
- D. Name of Lab. In-Charge : R. Govinda Rao

Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab. Equipment
Q1. Soxhlet Extraction unit	17.09.18	09.02.19	6 months	Working
Q2. Kjeldhal Digestion unit	17.09.18	09.02.19	6 months	Working


Signature of Lab In-Charge


Signature of Faculty-in-Charge of Lab


Signature of Dean
24/04/22


Dean (Admin.), MSSSoA

Laboratory Equipment Ok Certificate for the Month of: March

- A. Department Name : Fisheries Science
 B. Name of Faculty In-Charge : Shashank Singh
 C. Laboratory Name : Aquaculture Lab.
 D. Name of Lab. In-Charge : Manikanta Bori

Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab. Equipment
1. Weighing Balance	27.10.2017	17.09.2018	6 Months	Working
2. Refractometer	27.10.2017	17.09.2018	3 Months	Working
3. D. O. Meter	27.10.2017	17.09.2018	6 Months	Working
4. Conductivity Meter.	27.10.2017	17.09.2018	6 Months	Working
5. Magnetic Stirrer	27.10.2017	17.09.2018	6 Months	Not Working
6. Compound Microscope	27.10.2017	17.09.2018	6 Months	Working
7. Digital pH Meter	27.10.2017	17.09.2018	6 Months	Working
8. T. D. S Meter.	25.01.2022	-	6 Months	Working
9. Temperature Meter	25.01.2022	-	6 Months	Working

Manikanta Bori
Signature of Lab In-Charge

Shour
Signature of MO

Shashank Singh
Signature of Faculty-in-Charge of Lab

S. Gupta
Dean(Admin.), MSSoA

M S Swaminathan School of Agriculture

Laboratory Equipment Ok Certificate for the Month of: March

- A. Department Name : Fisheries Science
 B. Name of Faculty In-Charge* : Houzen Kiron
 C. Laboratory Name : Fish Processing Lab
 D. Name of Lab. In-Charge : Manikamtha Baxi

Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab. Equipment
1. Deep Freezer	17.09.2018	09.02.2019	6 Months	Not Working
2. Vacuum Packing	13.04.2019	15.10.2019	6 Months	Working
3. Fish Deboner	10.05.2019	15.10.2019	6 Months	Working
4. Weighing Balance	27.07.2021	-	6 Months	Working
5. Mixer Grinder	27.07.2021	-	6 Months	Working
6. Seal Machine	12.08.2021	-	5 Months	Working

Manikamtha Baxi
Signature of Lab In-Charge
Manikamtha Baxi
Signature of HOD

For [Signature]
Signature of Faculty-in-Charge of Lab
[Signature]
Dean(Admin.), MSSSoA



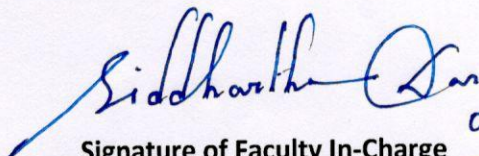
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*Shaping Lives...
Empowering Communities...*

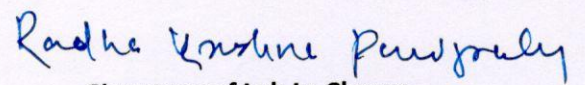
LABORATORY EQUIPMENT OK CERTIFICATE

Laboratory Name : **Agricultural Microbiology**
Name of Faculty In-Charge : **Dr. Siddharth Das**
Name of Lab In-Charge : **Mr. Radha Krushna Panigrahy**
Month : **March**

Name of Equipment	No.	Manufacturing Date(Date of purchase)	Condition of Lab Equipment
Autoclave	2	01.03.2021 18.03.2021	Shifted to Spawn Unit
Hot air oven	1	14.07.2021	Working
Incubator	1	01.03.2021	Working
Laminar air flow chamber	1	01.03.2021	Shifted to Spawn Unit
Digital balance	1	18.03.2021	Working Shifted to spawn unit
pH meter	1	18.03.2021	Working
Student Microscopes	10	18.03.2021	Working
Stereo binocular microscope	05	01.03.2021	Working
Colony counter	1	01.03.2021	Working

Centrifuge	1	01.03.2021	Working
Occular meter	5	18.03.2021	Working
Stage micrometer	5	18.03.2021	Working
Slide rack	1	18.03.2021	Working
Hot air oven	1	01.08.2021	Working
Orbital shaker	1	04.09.2021	Working


Signature of Faculty In-Charge 04/04/22


Signature of Lab In-Charge



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Empowering Communities...*



LABORATORY EQUIPMENT OK CERTIFICATE

Department: Biotechnology Laboratory

HOD: Dr. Satyabrata Nanda

Name of Faculty In-Charge: Dr. Satyabrata Nanda

Laboratory Name: Biotechnology Laboratory

Name of Lab In-Charge: Ms. Swapna Rani Nag

Month: March-2022

Sl.No.	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of lab Equipment
1.	-80 C Freezer	12/2016	27/11/2021	Once a year	Needs to be repaired
2.	-20 CFreezer	12/2016	One year	Once a year	Working
3.	Laminar air flow	12/2016	----do----	Once a year	Working
4.	Centrifuge	05/2016	----do----	Once a year	Working
5.	Cooling Centrifuge	09/2017	----do----	Once a year	Working
6.	Microfuge	29/2017	----do----	Once a year	Working
7.	Ice Flaking Machine	07/2016	----do----	Once a year	Working
8.	Rt-PCR	03/2016	----do----	Once a year	Working
9.	PCR	01/2016	----do----	Once a year	Needs to repaired
10.	Gradient PCR	05/2017	----do----	Once a year	Working
11.	Gel Electrophoresis	12/2015	----do----	Once a year	Working
12.	Gel Documentation System	04/2017	----do----	Once a year	Working
13.	Thermostatic Water Bath	12/2016	----do----	Once a year	Needs to repaired
14.	Oil Bath	14/2017	----do----	Once a year	Working
15.	Hybridization Blot	08/2016	----do----	Once a year	Working
16.	Vortex machine	01/2017	----do----	Once a year	Working
17.	Spectrophotometer	01/2014	----do----	Once a year	Working
18.	Microwave oven	01/2017	----do----	Once a year	Working
19.	Electronic Balance	25/2016	----do----	Once a year	Working
20.	Orbital Shaking incubator	02/2017	----do----	Once a year	Needs to repaired
21.	Portable Autoclave	31/2017	----do----	Once a year	Working
22.	Digital PH Meter	11/2021	----do----	Once a year	Working
23.	Weigh Balance	11/2021	----do----	Once a year	Working
24.	Double Distillation Apparatus	11/2021	----do----	Once a year	Working

Signature

Signature of Lab In-Charge

Signature

Signature of Faculty-In-Charge of Lab

Signature

Department of Horticulture
 Horticulture School of Agriculture
 CUTM, Paralakhemundi, Gajapati
 Odisha, Pin-761211

Signature of HOD



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Empowering Communities...*



LABORATORY EQUIPMENT OK CERTIFICATE

Laboratory Name: Phytopharma Lab

Name of Faculty In-Charge: Dr. Poulami Sil

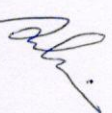
Name of Lab In-Charge: Ms. Swapna Rani Nag

Month: March-2021

Sl.No.	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of lab Equipment
1	Probe Sonicator	06/04/2021	One year	Once a year	Good
2	Lyophilizer	06/04/2021	----do----	----do----	Good
3	Freezer Dryer	16/08/2021	----do----	----do----	Good
4	Centrifuge	06/04/2021	----do----	----do----	Good
5	Digital Rotational Viscrometer	06/04/2021	----do----	----do----	Good
6	Magnetic Stirrer	06/04/2021	----do----	----do----	Good
7	Weigh Balance	06/04/2021	----do----	----do----	Good
8	Rota vapour	06/04/2021	----do----	----do----	Good
9	Refrigerated Centrifuge	06/04/2021	----do----	----do----	Good
11	Ultrasonic Bath	06/04/2021	----do----	----do----	Needs to be Repaired
12	Hot Air Oven	06/04/2021	----do----	----do----	Good
13	Homogenizer	06/04/2021	----do----	----do----	Good
14	Lab Stirrer	06/04/2021	----do----	----do----	Good
15	UV/VIS Spectrophotometer	06/04/2021	----do----	----do----	Good
16	HPLC	06/04/2021	----do----	----do----	Good
17	Dissolution Test Apparatus	06/04/2021	----do----	----do----	Good
18	Data Printer	06/04/2021	----do----	----do----	Needs to be Repaired
19	Chromatography Column	21/01/2022	----do----	----do----	Good
20	Paper Chromatography Cabinet	21/01/2022	----do----	----do----	Good
21	Digital pH Meter	21/01/2022	----do----	----do----	Good



Signature of Lab In-Charge



Signature of Faculty-In-Charge of Lab

Centurion University of Technology and Management
M S Swaminathan School of Agriculture
Laboratory Equipment Ok Certificate

Date: 08.06.2022

To,

The Registrar
CUTM, Paralakhemundi

The following departments of M S Swaminathan School of Agriculture are given their laboratory equipment Ok certificate. The list is attached here with. Please release the salary of School of Agriculture for the month of May 2022.

1. Crop Physiology and Bio Chemistry
2. Plant Pathology
3. Agronomy
4. Horticulture
5. Agricultural Chemistry and Soil Science
6. Genetics and Plant Breeding and Seed Science & Technology
7. Entomology
8. Fishery Department
9. Biotechnology
10. Agricultural Microbiology
11. Phytopharmaceuticals

Dean(Admin.), MSSSoA

Approved / ~~Not Approved~~

Registrar

LABORATORY EQUIPMENT OK CERTIFICATE

Department : Crop Physiology & Biochemistry

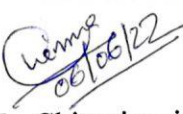
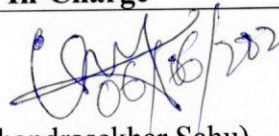
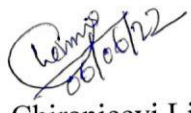
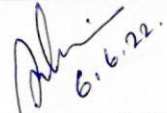
Name of Faculty in-Charge : Dr. Dinkar J. Gaikwad

Labaroty Name: Crop Physiology & Plant Biochemistry

Name of lab in-Charge : Mr. Chiranjeevi Limma

Month: May, 2022

Sl. No.	Name of Equipment's	Manufacturing Date	Last Service Date	How often does it need Servicing	Condition of Lab Equipment
1	Sensitive balance (3)	29/10/18	One year after Installation	Once a year	Batteries are not working in two balances, Replacement is not done since last month
2	Hot air oven (2)	20/03/18	----do----	Once a year	Good
3	Water bath (2)	05/02/18	----do----	Once a year	Coil is fixed. Now working smoothly
4	Colori meter	07/08/18	----do----	Once a year	Good
5	Paper chromatography	20/03/18	----do----	Once a year	Good
6	pH meter (2)	16/07/18	----do----	Once a year	Good
7	Hair dryer	07/08/18	----do----	Once a year	Good
8	Seed Germinator		29.04.2022	Once a year	Temperature is not getting controlled. Given complaint to supplier
9	Leaf area meter	20/02/15	---do---	Once a yaer	Good
10	UV Transilluminator	17/02/19	---do---	Once a year	Switch is having issues, need to replaced
11	Paper Electrophoresis		----do--	Once a year	Good
12	Gel Electrophoresis		----do---	Once a year	Good

Sl.No.	Name of the Laboratory	Signature of the Technical In-Charge	Signature of the Faculty In-Charge
1.	Plant Physiology	 (Mr. Chiranjeevi Limma)	 (Mr. Chandrasekhar Sahu)
2	Plant Biochemistry	 (Mr. Chiranjeevi Limma)	 (Dr. Poulami Sil)

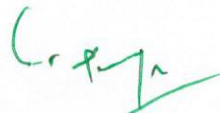

06/06/22

(Dr. Dinkar J. Gaikwad)

Signature of HOD

Crop Physiology & Plant Biochemistry

Department of Crop Physiology
& Biochemistry
MSSSoA. 1





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LABORATORY EQUIPMENT

Department: PLANT PATHOLOGY

Name of faculty in-charge: *Dr. I. Venkatesh*

Laboratory name : PLANT PATHOLOGY

Name of lab in-charge: *Radhakrishna Panigrahy*

Name of Equipment	No.	Manufacturing Date(Date of purchase)	Last Service Date	How Often does it need servicing	Condition of Lab Equipment
Autoclave	2	22/8/13 22/3/17	25/8/2015	Once in 2 years	Working
Hot air oven	1	22/3/17		Once in 2 years	Working
Incubator	1	-----		Once in 2 years	<u>Working</u>
Cooling incubator	1	8/12/18			<u>(under Repair)</u>
Laminar air flow chamber	1	-----		Once in 2 years	Working
Microtome	1	2/1/17		Once in 2 years	Working
Digital balance	2	12/9/13 8/12/18		Once in 2 years	Working
pH meter	2	12/9/13 21/12/16		Once in 2 years	Working
Student Microscopes	19	5/1/16 1/2/17		Once in 2 years	<u>Working</u>
(Stereo) binocular microscope	5	10/2/15 8/12/18			Binocular - Microscope Lamp (light) Repair
Centrifuge	2	22/8/13 8/12/18		Once in 2 years	Working

Centurion

LABORATORY USAGE REPORT

Name of the Laboratory:

PLANT PATHOLOGY LABORATORY

Department/ School:

MSSSDA

Lab usage report for the month of MAY year 2022

No. of working hours of the month (1)	Total hours utilized in the month (2)	Utilised by Dept/ School (write the list in the table below) (3)	Utilised by (Program name & course name) (4)	No. of hours used by each of them as given in column (5)
68 hours	61 hours	MSSSDA	AMB 2nd sem	60 hours
		MSSSDA	M-S-C	1 hours

Radhika Vigneshwari Pannigrahi

Sundhara

MAY - 2022

S/N	DATE	LAB	EXPERIMENT ³⁷	SIGN
1	4.5.22	AMB A1 (11:30 - 1:30)	Rhizobium isolate	<u>[Signature]</u>
2	4.5.22	AMB E2 (1:30 - 3:30)	Rhizobium isolate	<u>[Signature]</u>
3	5.5.22	AMB B1 (1:30 - 3:30)	Azotobacter isolate	<u>[Signature]</u>
4	5.5.22	AMB F1 (3:30 - 5:30)	Exp on Rhizobium Azotobacter	<u>[Signature]</u>
5	6.5.22	AMB F2 (9:30 - 11:30)	Exp on Rhizobium	<u>[Signature]</u>
6	6.5.22	AMB C2 (1:30 - 3:30)	Exp on Azotobacter and Rhizobium isolate	<u>[Signature]</u>
7	7.5.22	AMB B2 (9:30 - 11:30)	Azospirillum isolate	<u>[Signature]</u>
8	7.5.22	AMB D2 (2:30 - 4:30)	Azospirillum isolate	<u>[Signature]</u>
9	9.5.22	AMB A2 (11:30 - 12:30)	Azotobacter isolate	<u>[Signature]</u>
10	9.5.22	AMB C1 (1:30 - 3:30)	Azotobacter & Rhizobium isolation	<u>[Signature]</u>
11	10.5.22	AMB E1 (11:30 - 1:20)	Azospirillum isolate	<u>[Signature]</u>
12	10.5.22	AMB A2 (11:30 - 12:30)	Azotobacter	<u>[Signature]</u>
13	11.5.22	AMB B1 (11:30 - 1:30)	Gram staining	<u>[Signature]</u>
14	11.5.22	AMB E2 (1:30 - 3:30)	Gram staining	<u>[Signature]</u>
15	3:00 - 4:00	M.Sc.	Introduction	<u>[Signature]</u>
16	12.5.22	AMB D1 (1:30 - 3:30)	Fungal staining	<u>[Signature]</u>
17	23.5.22	AMB F1 (1:30 - 3:30)	Gram staining	<u>[Signature]</u>
18	24.5.22	AMB E2 (9:30 - 11:30)	Fungal staining	<u>[Signature]</u>
19	24.5.22	AMB A2 (1:30 - 3:30)	Fungal staining	<u>[Signature]</u>
20	25.5.22	AMB B2 (1:30 - 3:30)	Fungal staining	<u>[Signature]</u>
21	25.5.22	AMB E2 (1:30 - 3:30)	Fungal staining	<u>[Signature]</u>
22	26.5.22	AMB F1 (3:30 - 5:30)	Fungal staining	<u>[Signature]</u>
23	26.5.22	AMB B2 (1:30 - 3:30)	Fungal staining	<u>[Signature]</u>
24	26.5.22	AMB F1 (3:30 - 5:30)	Gram staining	<u>[Signature]</u>
25	27.5.22	AMB F2 (9:30 - 11:30)	"	<u>[Signature]</u>
26	28.5.22	AMB B2 (9:30 - 11:30)	Gram staining	<u>[Signature]</u>
27	28.5.22	AMB D2 (2:30 - 4:30)	Gram staining	<u>[Signature]</u>
28	30.5.22	AMB A1 (11:30 - 1:30)	"	<u>[Signature]</u>
29	31.5.22	AMB E1 (11:30 - 1:30)	Gram staining	<u>[Signature]</u>
30	31.5.22	AMB F2 (1:30 - 3:30)	Gram staining	<u>[Signature]</u>

LABORATORY EQUIPMENT OK CERTIFICATE [MAY-2022]

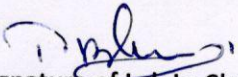
Department: Agronomy

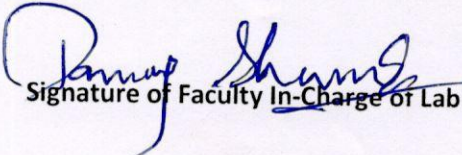
Name of Faculty In-Charge: Ms. Monalisa Sahoo

Laboratory Name: Agronomy lab

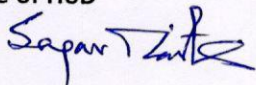
Name of Lab In-Charge: Mr. Tripati bhuyan

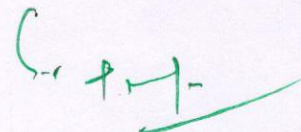
S.no	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab Equipment
1	DOUBLE RING INFILTRMETER	22-10-16	MAY 2022	EVERY 3 MONTH INTERVAL	OK
2	HOT AIR OVEN	22-10-16	MAY 2022		OK
3	TENSIOMETER	22-10-16	MAY 2022		OK
4	P ^H METER	22-10-16	MAY 2022		OK
5	EC METER	22-10-16	MAY 2022		OK
6	CORE SAMPLER	22-10-16	MAY 2022		OK
7	PARSHALL FLUME	22-10-16	MAY 2022	NO NEED	OK
8	RECTANGULAR WEIR	22-10-16	MAY 2022		OK
9	TRIANGULAR WEIR	22-10-16	MAY 2022		OK
10	TRAPEZOIDAL WEIR	22-10-16	MAY 2022		OK
11	MOISTURE METER	22-10-16	MAY 2022		OK


Signature of Lab In-Charge


Signature of Faculty In-Charge of Lab

Signature of HoD





LABORATORY EQUIPMENT OK CERTIFICATE

Department: Agronomy

Name of Faculty In-Charge: Mr. Triptesh Mondal

Laboratory Name: Agronomy lab

Name of Lab In-Charge: Ms. Archana Behera

S.no	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab Equipment	
12.	ORIFICES	22-10-16	MAY 2022	NO NEED	OK	
13.	DIGITAL WEIGHT BALANCE	22-10-16	MAY 2022	EVERY 3 MONTH INTERVAL	OK	
14.	WATER BATH	22-10-16	MAY 2022		OK	
15.	SCREW AUGAR	22-10-16	MAY 2022		OK	
16.	HOT PLATE	22-10-16	MAY 2022		OK	
17.	MOISTURE BOX	22-10-16	MAY 2022		OK	
18.	WEIGHT BALANCE	22-10-16	MAY 2022		OK	
19.	PYCONOMETER	22-10-16	MAY 2022		OK	
20.	MESH AND TEST TUBE	22-10-16	MAY 2022		OK	
21.	KELPLUS (Nitrogen analyser)	20-10-17	MAY 2022		EVERY 3 MONTH INTERVAL	OK
22.	OIL EXTRACTION	20-10-17	MAY 2022			OK
23.	DIGESTION UNIT	20-10-17	MAY 2022	OK		
24.	LUX METER	20-10-17	MAY 2022		OK	
25.	ROTARY SHAKER	20-09-18	January 2022		Repair	
26.	FLAME PHOTOMETER	22-10-16	MAY 2022		OK	

Archana Behera

Signature of Lab In-Charge

Triptesh Mondal

Signature of Faculty In-Charge of Lab

Sapna Panda

Signature of HoD

LABORATORY USAGE REPORT

Name of the Laboratory: AGRONOMY- I & II

Department/ School: DEPT.OF AGRONOMY

Lab usage report for the month: MAY

Year: 2022

Programs of the department	Total hours utilized in the month	Utilized by Dept./ School (write the list in the table below)	Utilized by (Program name & course name)	No. of hours used by each of them as given in column
(1)	(2)	(3)	(4)	(5)
M.Sc (Ag) and B.Sc(Ag.)	328	AGRONOMY M.Sc.	Management of problem soils and water	16
			Agronomy of major cereals and pulses	16
			Agronomy of oil seed, fibre and sugarcane crops	16
			Cropping systems and sustainable agriculture	8
			Lab use for analysis (M.Sc.Ag. students)	80
		B.Sc	Introductory Agro meteorology and climate change	48
			Irrigation water management	96
			Introduction to Agroforestry	48

Archana Behera

[Signature]
Signature of Lab In-Charge

[Signature]
Signature of HoD

[Handwritten signature]

Department: Horticulture

Laboratory Name: Post Harvest Lab

Name of the faculty in-charge : Dr. Anant Tamang

Sl.No.	Name of Equipment	Manufacturing Date	Last Service Date	How often does it need servicing	Condition of Lab Equipment
1	Autoclave	10-01-2019	02-02-2020	Monthly	Working
2	Bottle sealer	14-02-2016	06-03-2021	Quarterly	Working
3	Cylinder Gas	13-12-2015	16-03-2022	Monthly	Working
4	Juice extractor	28-01-2017	13-09-2019	Quarterly	Working
5	Mag-stirrer	21-12-2018	18-12-2019	Monthly	working
6	Mango Pulp machine	04-02-2016	13-12-2019	Quarterly	working
7	Mixer Grinder	16-02-2015	08-08-2021	Monthly	Working
8	pH meter	07-01-2017	28-08-2021	Monthly	NOT Working
9	Poly pouch sealer	17-12-2014	28-11-2019	Quarterly	Working
10	Potato slicer	28-01-2017	26-03-2021	Quarterly	Working
11	Refractrometer	06-02-2014	30-04-2021	Quarterly	Working
12	Refrigerator	12-03-2022	12-03-2022	Monthly	Working
14	Water Bath	20-05-2018	07-07-2021	Monthly	Working
15	Hot Air Oven	09-01-2017	03-04-2020	Monthly	Working
16	Apple Cutter	20-11-2021	12-04-2022	Monthly	Working

Signature of Lab - in-charge

Mr. Madhura Bachan Chinchani *Madhura Bachan*

Signature of faculty -in-charge

Dr. Anant Tamang

Signature of HOD

Dr. Nilanjana Datta *Nilanjana*

Chinchani

LABORATORY EQUIPMENT OK CERTIFICATE

Department: Horticulture

Laboratory Name: Fundamentals of Horticulture

Name of the faculty in-charge : Dr. Subhrajyoti Chatterjee

Sl.No.	Name of Equipment	Manufacturing Date	Last Service Date	How often does it need servicing	Condition of Lab Equipment
1	Hand sprayer	13-02-2016	11-04-2021	Monthly	Working
2	Pruning shear	19-06-2015	13-09-2017	Monthly	Working
3	Secateurs	18-09-2014	09-04-2021	Monthly	Working
4	Seed desiccator	09-05-2018	20-03-2021	Monthly	Working
5	Hedge Shear	03-08-2021	25-08-2021	Monthly	Working
6	Budding knives	03-11-2018	20-04-2021	Monthly	Working
7	Rose cans	04-10-2019	25-08-2021	Monthly	Working
8	Hand Hoe	29-10-2018	20-08-2021	Monthly	Working
9	Crow Bar	05-08-2021	05-08-2021	Monthly	Working
10	Sickle	05-08-2021	07-08-2021	Monthly	Working
11	Hand Saw	05-10-2019	26-08-2021	Monthly	Working
12	Garden Rake	10-03-2021	27-08-2021	Monthly	Working

Signature of Lab In-Charge

Mr. Madhura Bachan Chinchani *Madhura Bachan*

Signature of Faculty In-Charge

Dr. Subhrajyoti Chatterjee *Subhrajyoti Chatterjee*

Signature of HOD

Dr. Nilanjana Dutta *Nilanjana Dutta*

LABORATORY EQUIPMENT OK CERTIFICATE

Department: Horticulture
Laboratory Name: MSc. Horticulture
Name of the faculty in-charge : Dr. Barsha Tripathy

Sl.No.	Name of Equipment	Manufacturing Date	Last Service Date	How often does it need servicing	Condition of Lab Equipment
1	Centrifuge	09-05-2018	30-04-2021	Quarterly	Working
2	Computer system	10-01-2018	02-03-2021	Quarterly	Working
3	Heater	09-05-2018	20-04-2021	Monthly	Working
4	Hot air oven	10-01-2018	30-04-2021	Monthly	Working
5	Mixer Grinder	05-08-2021	05-08-2021	Monthly	Working
6	Microscope	07-01-2017	09-04-2021	Monthly	Working
7	Chlorophyll content meter	05-12-2018	20-07-2021	Monthly	Working
8	Refractrometer	06-02-2014	30-04-2021	Quarterly	Working
9	Refrigerator	02-09-2-14	25-03-2021	Monthly	Working
10	Seed desiccator	09-05-2018	20-3-2021	Monthly	Working
11	Spectrophotometer	09-05-2018	30-04-2021	Monthly	Working
12	Water bath	07-01-2020	09-04-2021	Monthly	Working
13	Digital weighing Balance	20-07-2021	31-08-2021	Monthly	Not Working
14	Weighing balance	19-04-2018	20-07-2021	Monthly	Working
14	p ^H meter	02-08-2021	02-08-2021	Monthly	Working

Signature of Lab In-Charge :

Mr. Madhura Bachan Chinchani *Madhura Bachan*

Signature of Faculty In-Charge :

Dr. Barsha Tripathy *Dr. Barsha*

Signature of HOD :

Dr. Nilanjana Datta *Nilanjana*

LABORATORY USAGE REPORT

Name of the Laboratory:

Post Harvest Lab, B.Sc Horticulture, M.Sc Horticulture

Department/ School: Horticulture

Lab usage report for the month of May year 2022

No. of working hours of the month (1)	Total hours utilized in the month (2)	Utilised by Dept/ School (write the list in the table below) (3)	Utilised by (Program name & course name) (4)	No. of hours used by each of them as given in column (5)
229 hour	247 hour	Post Harvest Lab	Internship	119 hour
		B.Sc Horticulture Lab	Lab class	18 hour
		M.Sc Horticulture	Research work M.Sc	120 hour



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LABORATORY EQUIPMENT OK CERTIFICATE

Department: Soil Science & Agril. chem. Name of faculty In charge: Limbraj Parshuram Pholane

Laboratory Name: Soil Science & Agril. chem Name of lab In-charge: Kuladeep Bardhan

Name of equipment	Date of purchase	Last service Date	How often does it need servicing	Condition of lab equipment
pH meter	04/08/17	27/12/19	Quarterly	working
Conductivity meter	06/02/16	31/08/19	Quarterly	working
Spectrophotometer	22/08/13		Quarterly	working
Flame photometer	31/08/13	18/02/19	Quarterly	working
Rotary shaker	01/09/14	29/12/21	Yearly	working
Kelplus nitrogen distillation unit	05/03/16		Quarterly	working
Hot plate	02/02/19		Yearly	working
Mechanical stirrer	25/08/13		Yearly	working
Electronic balance	04/08/17	29/12/21	Quarterly	working
Digital balance	02/08/17		Quarterly	working
Hot air oven	06/08/17	18/02/19	Yearly	working
Water bath	02/02/19		Yearly	working
Distilled water unit	04/08/17		Yearly	Not working

Kuladeep Bardhan

Signature of lab In-charge

Limbraj Pholane
Signature of faculty In-charge

Rahul Adhikary
Signature of HOD 02/06/22
Dept. of Soil Science &
Agricultural Chemistry
MSSSoA CUTM

S. R. Singh

LABORATORY USAGE REPORT

Name of the laboratory: soil science laboratory

Department/school: Dept. of Soil Science & Agril. Chemistry

Lab usage report for the month of May, 2022

No. of working hours of the month	Total hours utilized in the month	Utilized by Dept./school (write the list in the table below)	Utilized by (program name & course name)	No. of hours by each of them as given in column	
192 hours	147 hours	B. Tech (Agriculture)	Fundamental of Soil Science	8 hours	
		M.Sc (Agronomy)		13 hours	
		B.Sc (Agriculture)	Summer Internship	26 hours	
		B.Tech (Agriculture)	Summer Internship	80 hours	
		Other		20 hours	
		Total		147 hours	

PA
02/06/22

Kuladeel
21/6/2022

Kuladeel Bardhan



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LABARATORY EQUIPM,ENT OK CIRTIFICATE

Department : Genetics and plant breeding

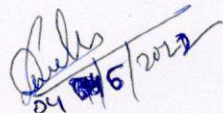
Name of Faculty In-charge : Mr. Durga Dutta Meher

Labaroty Name: Genetics and plant breeding

Name of lab In-Charge : Mr. Bhanuprasad bisoyi

Month: may 2022

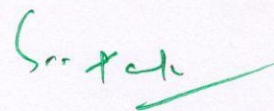
Sl.No.	Name of equipment	Manufacturing Date	Last Service date	How often does it need Servicing	Condition of lab Equipment
1.	Simple microscope	26/12/14	One year after Installation	Once a year	Good
2.	Compound microscope	13/08/15	----do----	Once a year	Good
3.	Binocular microscope	26/12/14	----do----	Once a year	2 microscope not working
4.	Microtome	06/09/19	----do----	Once a year	Not working
5.	Electronic weighing machine(0.08gm-200gm)	06/09/18	----do----	Once a year	Good
6.	Water distillation	19/06/2017	----do----	Once a year	Good
7.	Refrigerator	29/01/2018	----do----	Once a year	Good

Sl.No.	Name of the Laboratory	Signature of the Technical In-Charge	Signature of the Faculty In-Charge
1.	Genetic and Plant breeding	Bhanuprasad Bisoyi 04/05/2022 (Mr. Bhanuprasad Bisoyi)	 04/05/2022 (Mr. Durga Dutta Meher)

K. Krishnam Raju 4/5/22
(Dr. K. Krishnam Raju)

Signature of HOD

Genetics and Plant Breeding & Seed Science and Technology





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Empowering Communities!*



LABARATORY EQUIPM,ENT OK CIRTIFICATE

Department : Seed Science and Technology

Name of Faculty In-charge : Dr. P. Susmita

Labaroty Name : Seed Science and Technology

Name of lab In-Charge : Mr. Bhanuprasad bisoyi

Month : may 2022

Sl.No.	Name of equipment	Manufacturing Date	Last Service date	How often does it need Servicing	Condition of lab Equipment
1.	Auto Calibration digital seed moisture meter	08/2016	One year after Installation	Once a year	Not working
2.	Automatic Seed counter	08/2016	----do----	Once a year	Good
3.	Seed Germinator	04/2015	----do----	Once a year	Not working
4.	Purity work board	08/ 2016	----do----	Once a year	Good
5.	Seed divider bonier type	08/2016	----do----	Once a year	Good
6.	Seed divider gamete type	08/2016	----do----	Once a year	Good
7.	Seed divider riffle type	07/2016	----do----	Once a year	Good
8.	Seed dryer	10/03/2017	----do----	Once a year	Good
9.	Water distillation	19/06/2017	----do----	Once a year	Good
10.	Refrigerator	29/01/2018	----do----	Once a year	Good
11.	Vacuum pump high speed oil free diaphragm type	28/042022	----do----	Once a year	Good

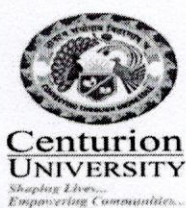
Sl.No.	Name of the Laboratory	Signature of the Technical In-Charge	Signature of the Faculty In-Charge
1.	Seed Science and Technology	Bhanu Prasad Bisoyi 04/06/2022 (Mr. Bhanuprasad Bisoyi)	P. Susmitha 04/06/22 (Dr. P. Susmitha)

K. Krishnam Raju 4/6/22
(Dr. k.krishnam raju)

Signature of HOD

Genetics and Plant Breeding & Seed Science and Technology

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LABORATORY EQUIPMENT CERTIFICATE

Department: ENTOMOLOGY Name of Faculty In-Charge: Dr. Lipsa Das (DATE:31/05/2022)

Laboratory Name: Entomology Lab Name of Lab In-Charge: M. RAMESH

S.no	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab Equipment
1	Sprayers	10-05-2015	07-08-2020	yearly	5 liter sprayer (4) not Working
2	Microscopes	29-03-2018			Working
3	Projector	07-03-2018	07-08-2020		Working
4	Light Trap	11-07-2018			Working
5	Motor (1/3 HP)	30-08-2017			Working
6	PH meter	21-12-2018			Working & cable not working
7	Binocular Microscopes	21-12-2018		Half yearly	Working
8	Weighing Machine(200g)	1-12-2018			Working & cable not working
9	Soxhlet Apparatus	30/11/2018		Half yearly	Working
10	Oven	21/01/2019		Half yearly	Working
11	Mixer Grinder	28/08/2017		Yearly	Working
12	Weghing Balance 200g	01/05/2019		Yearly	Working
13	Bee Hives	09/01/2019		Not required	working
14	Weighing Machine(3kg)	01.05.2019		Yearly	working

M.Ramesh

Signature of Lab In-Charge

Dr. Lipsa Das

Signature of HoD

Signature of Faculty-in-Charge of Lab


LABORATORY LOG REGISTER

Name of the Laboratory: **Entomology**

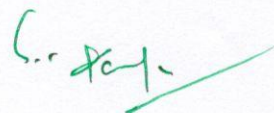
Department/School: **Entomology**

Lab Log Register for the month of **May** _Year **2022**

S.no	Date	Lab used by	Total allotted Hours	No. of hours used
1.	01-05-2022 to 31-05-2022	Ms. V. Ramalaxmi	16Hours	16 Hours
2.	"	Dr. Lipsa		
3.	"	Dr. Sunil	32 Hours	32 Hours
4.	"	Dr. Manish K Yadav	16 Hours	16 Hours
5.	"	Mr. Deepayan padhy	16 Hours	16 Hours
6.	"	Dr. Nihal kumar	16 Hours	16 Hours
7.	"			
		Total	96 Hours	96 Hours


Dr.Lipsa Das

Signature of the Hod




LABORATORY USAGE REPORT

Name of the Laboratory: ENTOMOLOGY

Department/ School: DEPT.OF ENTOMOLOGY

Lab usage report for the month: May Year: 2022

No. of working hours of the month (1)	Total hours utilized in the month (2)	Utilized by Dept/ School (write the list in the table below) (3)	Utilized by (Program name & course name) (4)	No. of hours used by each of them as given in column (5)
96 hours	96 hours	Entomology	FE-1	96 Hours



M.Ramesh

Signature of Lab In-Charge



Dr. Lipsa Das

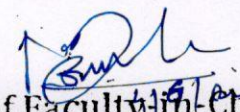
Signature of HoD

Laboratory Equipment Ok Certificate for the Month of : May

- A. Department Name : Fisheries Science
 B. Name of Faculty In-Charge : Shashank Singh
 C. Laboratory Name : Aquaculture Lab
 D. Name of Lab. In-Charge : Manikamtha Bora

Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab. Equipment
1. Weighing Balance	27.10.17	17.09.18	6 Months	Working
2. Refractometer	27.10.17	17.09.18	3 Months	Working
3. D.O. Meter	27.10.17	17.09.18	6 Months	Working
4. Conductivity Meter	27.10.17	17.09.18	6 Months	Working
5. Magnetic Stirrer	27.10.17	17.09.18	6 Months	Not Working
6. Compound Microscope	27.10.17	17.09.18	6 Months	Working
7. Digital pH Meter	27.10.17	17.09.18	6 Months	Working
8. TDS Meter	25.01.22	-	6 Months	Working
9. Temperature Meter	25.01.22	-	6 Months	Working
10. Pallanizer	21.02.22	-	6 Months	Working

Manikamtha Bora **HEAD**
 Signature of Lab. In-Charge
 School of Fisheries
 CUTM, Paralakhemundi, Dt-Gajapati
 Odisha, Pin-761211
 Signature of MoD

for 
 Signature of Faculty In-Charge of Lab
 Dean(Admin.), MSSSCA

Laboratory Equipment Ok Certificate for the Month of: May

- A. Department Name : Fisheries Science
 B. Name of Faculty In-Charge : Hazou Kim
 C. Laboratory Name : Fish Processing Lab
 D. Name of Lab. In-Charge : Monikamtha Baxi

Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab. Equipment
1. Deep Freezer	17.09.18	09.02.19	6 Months	Not Working
2. Vacuum Packing	13.04.19	15.10.19	6 Months	Working
3. Fish Deboner	10.08.19	15.10.19	6 Months	Working
4. Weighing Balance	27.07.21	-	6 Months	Working
5. Mixer Grinder	27.07.21	-	6 Months	Working
6. Seal Machine	12.08.21	-	6 Months	Working

Signature of Lab In-Charge: Monikamtha Baxi
 Signature of HOD: M S Swaminathan
 School of Fisheries
 CUTM, Paralakhemundi, Dt-Gajapati
 Odisha, Pin-761211

Signature of Faculty-in-Charge of Lab: Hazou Kim
 Dean(Admin.), MSSSoA

Laboratory Equipment Ok Certificate for the Month of: May

- A. Department Name : Fisheries Science
 B. Name of Faculty In-Charge : Rahul R.
 C. Laboratory Name : Aquatic Environment Management Lab
 D. Name of Lab. In-Charge : P. Gundu Rao

Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab. Equipment
1. <u>Kiehlau Digestion Unit.</u>	<u>17.09.18</u>	<u>09.02.19</u>	<u>6 Months</u>	<u>Working</u>
2. <u>Sophlet Extraction Unit.</u>	<u>17.09.18</u>	<u>09.02.19</u>	<u>6 Months</u>	<u>Working</u>

P. Gundu Rao HEAD
 Signature of Lab. In-Charge
 School of Fisheries
 CUTM, Paralakhemundi, Dt-Gajapati
 Odisha, Pin-761211
[Signature]
 Signature of HOD

[Signature]
 Signature of Faculty-in-Charge of Lab
[Signature]
 Dean(Admin.), MSSSoA

Laboratory Equipment Ok Certificate for the Month of : May

- A. Department Name : Fisheries Science
- B. Name of Faculty In-Charge : Dr. Sushila
- C. Laboratory Name : Aquatic Animal Health Management Lab
- D. Name of Lab. In-Charge : R. Gourinda Rao.

Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of Lab. Equipment
1. Digital pH Meter.	27.10.17	23.12.18	6 Months	Working.
2. Conductivity Meter	27.10.17	02.04.19	6 Months	Working
3. Compound Microscope	27.10.17	02.04.19	6 Months	Not Working
4. Refractometer	27.10.17	09.02.19	3 Months	Working
5. Homogenizer.	17.09.18	09.02.19	6 Months	Working
6. Microtome	27.12.17	27.12.18	6 Months	Working
7. Hot Bin oven.	27.10.17	23.12.18	6 Months	Working
8. Incubator Bath	17.09.18	23.12.18	6 Months	Working
9. Autoclave	17.09.18	30/05/22	6 Months	Working
10. Digital (100g) scale.	17.09.18	09.02.19	6 Months	Working
11. Precision Weighing Balance	27.10.17	17.09.18	6 Months	Working
12. Refrigerator.	02.04.22	-	6 Months	Working
13. Deep Freezer.	28.04.22	-	6 Months	Working
14. Laminar Air flow	04.04.22	-	6 Months	Working
15. Distillation Unit.	11.11.21	-	6 Months	Not Working

R. Gourinda Rao
Signature of Lab. In-Charge
HEAD
School of Fisheries
CUTM, Paralakhemundi, Dt. Gajapati
Odisha, Pin-761211
Signature of HoD

Dr. Sushila
Signature of Faculty-in-Charge of Lab
Signature of Dean (Admin.), MSSSoA



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Empowering Communities...*



LABORATORY EQUIPMENT OK CERTIFICATE

Department: Biotechnology Laboratory

HOD: Dr. Satyabrata Nanda

Name of Faculty In-Charge: Dr. Satyabrata Nanda

Laboratory Name: Biotechnology Laboratory

Name of Lab In-Charge: Ms. Swapna Ran | Nag

Month: May-2022

Sl.No.	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of lab Equipment
1.	-80 C Freezer	12/2016	27/11/2021	Once a year	Working
2.	-20 C Freezer	12/2016	One year	Once a year	Working
3.	Laminar air flow	12/2016	----do----	Once a year	Working
4.	Centrifuge	05/2016	----do----	Once a year	Working
5.	Cooling Centrifuge	09/2017	----do----	Once a year	Working
6.	Microfuge	29/2017	----do----	Once a year	Working
7.	Ice Flaking Machine	07/2016	----do----	Once a year	Working
8.	Rt-PCR	03/2016	----do----	Once a year	Working
9.	PCR	01/2016	----do----	Once a year	Working
10.	Gradient PCR	05/2017	----do----	Once a year	Needs to repaired
11.	Gel Electrophoresis	12/2015	----do----	Once a year	Working
12.	Gel Documentation System	04/2017	----do----	Once a year	Working
13.	Thermostatic Water Bath	12/2016	----do----	Once a year	Working
14.	Oil Bath	14/2017	----do----	Once a year	Needs to repaired
15.	Hybridization Blot	08/2016	----do----	Once a year	Working
16.	Vortex machine	01/2017	----do----	Once a year	Working
17.	Spectrophotometer	01/2014	----do----	Once a year	Working
18.	Microwave oven	01/2017	----do----	Once a year	Working
19.	Electronic Balance	25/2016	----do----	Once a year	Working
20.	Orbital Shaking incubator	02/2017	----do----	Once a year	Working
21.	Portable Autoclave	31/2017	----do----	Once a year	Needs to repaired
22.	Digital PH Meter	11/2021	----do----	Once a year	Working
23.	Weigh Balance	11/2021	----do----	Once a year	Working
24.	Double Distillation Apparatus	11/2021	----do----	Once a year	Working
25.	MiliQ Water Purification System	05/2022	----do----	Once a year	Working

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Signature of Lab In-Charge

Handwritten signature

Signature of Faculty-In-Charge of Lab

Handwritten signature

Signature of HOD

Head of the Department
Department of Biotechnology
School of Agriculture
M.S. Swaminathan School of Agriculture
CURTM, Paralakemundi, Coimbatore
Odisha, Pin-767011



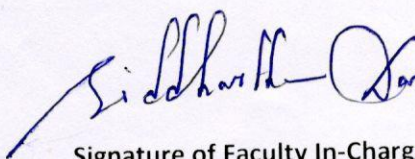
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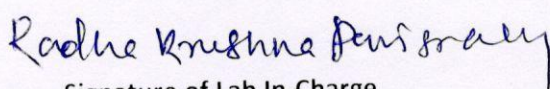
LABORATORY EQUIPMENT OK CERTIFICATE

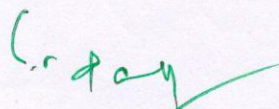
Laboratory Name : Agricultural Microbiology
Name of Faculty In-Charge : Dr. Siddharth Das
Name of Lab In-Charge : Mr. Radhakrushna Panigrahy
Month :

Name of Equipment	No.	Manufacturing Date(Date of purchase)	Condition of Lab Equipment
Autoclave	2	01.03.2021 18.03.2021	Working
Hot air oven	1	14.07.2021	Working
Incubator	1	01.03.2021	Working
Laminar air flow chamber	1	01.03.2021	Working Shifted to spawn unit →
Digital balance	1	18.03.2021	Working
pH meter	1	18.03.2021	Working
Student Microscopes	10	18.03.2021	Working
Stereo binocular microscope	05	01.03.2021	Working
Colony counter	1	01.03.2021	Working
Centrifuge	1	01.03.2021	Working

Occular meter	5	18.03.2021	Working
Stage micrometer	5	18.03.2021	Working
Slide rack	1	18.03.2021	Working
Hot air oven	1	01.08.2021	Working
Orbital shaker	1	04.09.2021	Working


Signature of Faculty In-Charge
31/05/22


Signature of Lab In-Charge



LABORATORY USAGE REPORT

Name of the Laboratory: **AGRICULTURAL MICROBIOLOGY**

Department/ School: **MSSSOA**

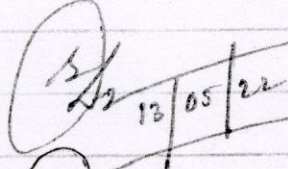
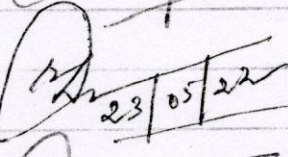
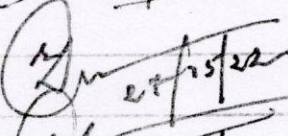
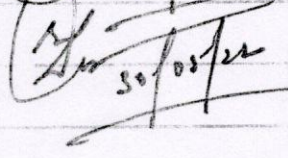
Lab usage report for the month of **May** year **2022**

No. of working hours of the month (1)	Total hours utilized in the month (2)	Utilised by Dept/ School (write the list in the table below) (3)	Utilised by (Program name & course name) (4)	No. of hours used by each of them as given in column (5)
12 hours	8 hours	MSSSOA	AMB 8 hours 2nd Sem	8 hours

Radhe Krishna Penigety,

Siddhant Ray
31/05/22

MAY

SL. No	Date	Lab	Experiment	Sign
(1)	13/05/22	Sec - C2	Gram Staining	 13/05/22
(2)	23/05/22	Sec - C1	Gram Staining	 23/05/22
(3)	27/05/22	Sec - C-2	Media preparation	 27/05/22
(4)	30/5/22	Sec - C1	cl n	 30/05/22

Correctly



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LABORATORY EQUIPMENT OK CERTIFICATE

Laboratory Name: Phytopharma Lab

Name of Faculty In-Charge: Dr. Poulami Sil

Name of Lab In-Charge: Ms. Swapna Rani Nag

Month: May-2022

Sl.No.	Name of Equipment	Manufacturing Date	Last Service Date	How Often does it need servicing	Condition of lab Equipment
1	Probe Sonicator	06/04/2021	Once in 6 th months after installation -----do-----	Every six Months Interval	Good
2	Liophiliser	06/04/2021		Every six Months Interval	Good

3	Freezer Dryer	16/08/2021	----do----	Every six Months Interval	Good
4	Centrifuge	06/04/2021	----do----	Every six Months Interval	Good
5	Digital Rotational Viscometer	06/04/2021	----do----	Every six Months Interval	Good
6	Magnetic Stirrer	06/04/2021	----do----	Every six Months Interval	Good
7	Weigh Balance	06/04/2021	----do----	Every six Months Interval	Good
8	Rota vapour	06/04/2021	----do----	Every six Months Interval	Good
9	Refrigerated Centrifuge	06/04/2021	----do----	Every six Months Interval	Good
11	Ultrasonic Bath	06/04/2021	----do----	Every six Months Interval	Needs to be Repaired
12	Hot Air Oven	06/04/2021	----do----	Every six Months Interval	Good
13	Homogenizer	06/04/2021	----do----	Every six Months Interval	Good
14	Lab Stirrer	06/04/2021	----do----	Every six Months Interval	Good
15	UV/VIS Spectrophotometer	06/04/2021	----do----	Every six Months Interval	Needs to be repaired (Software update)

16	HPLC	06/04/2021	----do----	Every six Months Interval	Good
17	Dissolution Test Apparatus	06/04/2021	----do----	Every six Months Interval	Good
18	Data Printer	06/04/2021	----do----	Every six Months Interval	Needs to be Repaired
19	Chromatography Column	21/01/2022	----do----	Every six Months Interval	Good
20	Paper Chromatography Cabinet	21/01/2022	----do----	Every six Months Interval	Good
21	Digital P ^H Meter	21/01/2022	----do----	Every six Months Interval	Good

*Dr. Arshad
07/06/2022*

Signature of Lab In-Charge

S. Arshad

Signature of Faculty-In-Charge of Lab

*Dr. Arshad
08/06/2022*