



## ADDITIONAL INFORMATION

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PSN

**PRINCIPAL**  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.



## MAINTENANCE POLICY

PSN College of Engineering and Technology strives to maintain the Academic and Physical facilities for the better utilization of the resources and to minimize depreciation.

The college is having an estate office for maintenance of physical facility which is headed by the estate officer. Systematic procedures have been developed for maintaining the academic facilities. Respective heads of various departments/divisions like HoDs of departments, librarian, and physical director are taking care of maintenance of academic facilities.

In addition to the available maintenance team of the college, the college has also signed agreement for maintenance of fire fighting system, lift, computers, CCTV camera, ERP software, air conditioners etc. Transport Department is headed by its Manager. The maintenance works of all buses, Cars, Vans, Mini Trucks, Tractors, Bulldozer, Electric cars are taken care of by Transport Department. Sewage treatment plant of the college is run and maintained by a team of technicians. The paper waste collected from departments are sent to the waste paper recycling plant which is run inside the college campus under the control of Mechanical and Automation Engineering Department.

Housekeeping team of the college is taking care of all indoor and outdoor sweeping in and around academic buildings, hostels, administrative buildings and library. As large number of trees and plantations are being maintained by the college to make the campus green, the dead leaves collected from the plants during sweeping is used for making bio compost. Use of polythene bags and plastics is banned inside the campus. The food waste collected from the mess is sent to pig farm.

The college follows systematic procedures in maintaining and utilizing the equipment.

### 1. Laboratory

#### (a) Maintenance of Laboratory

- Stock Register is maintained in all departments/Divisions.
- Trained lab Technicians are available in laboratories.

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- Internal stock verification is done every year by a committee constituted by the Principal. Follow up action is taken on the committee's recommendations.
- Labs are painted and upkeep of materials is done regularly.
- Fire extinguishers are installed and refilling is done periodically.
- Instruments and equipment are serviced regularly and as and when required.
- Instruments are periodically calibrated.

## (b) Utilization of Laboratory

- Theory papers are suitably supplemented with practical components
- Faculty and scholars carry out their research
- Lab timetables are prepared and followed in discussion with overall co-ordinator.
- Laboratories are kept open beyond the working hours.
- Utilization register is maintained in all laboratories and facilities.

## 2. College Library

### (a) Maintenance of College Library

- Classification of stacks for Science, Humanities, Engineering and Management, reference and competitive examinations.
- Carrying out extensive annual and internal stock verification
- OPAC facility to access and verify availability of books
- Marking books with unique accession number and arranging in respective subject racks
- Monitoring attendance of library users through e-gate entry
- Displaying 'new arrivals' in separate rack
- Placing Ph.D. thesis in a separate rack in the reference section.
- Adequate number of fire extinguishers placed in the appropriate locations.
- A separate binding section is functioning for maintaining of books and other materials



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## (b) Utilization of Library

- Library functions 24 × 7
- Display the useful newspaper clippings about the college, career opportunities, awards, scholarships, research grants at the entrance of the library.
- Digital library is available for users to download E-books and E-journals using INFLIBNET, DELNET, J – Gate, British Council, Taylor & Francis, IEE and Elsevier.
- A separate reading room is provided with books and periodicals for the aspirants of competitive examinations.
- Braille materials are available for visually-challenged students.
- URKUND plagiarism software is used by staff and research scholars through Research supervisor's login.
- Research scholars and students of neighbouring colleges use the library for reference
- Photocopying and scanning facilities are provided to all users.

## 3. Sports Facilities

### (a) Maintenance of Sports Complex

All Sports facilities like play fields, courts, tracks, flood lights, gym, indoor stadium, and swimmingpool etc. are properly maintained regularly with the help of skilled labours and markers. All the sports infrastructure, its stock and maintenance are done under the headship of Physical Director of the college. Two physical instructors and two markers are assisting the Physical Director.

1. 400 m tracks and fields are watered and rolled once in a week.
2. Kabaddi and Volleyball Court are watered and markings are done daily. Also the Wood dust Powders are sprinkled on the Ground Surface.
3. Basketball court is cleaned every day and painted every year.
4. Hockey and Football fields are cleaned, watered and rolled once in a week.
5. Swimming pool is maintained with water purification and water top up is done if required.

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6. Gym equipment are cleaned and lubricated every day.
7. Indoor sports facilities are maintained every day.

## b) Utilization

1. All girl and boy students are encouraged to involve themselves at least in a one game.
2. Boys and girls are given separate play fields and courts for their practice session.
3. Identified sports players and students admitted under sports quota are given regular training in the morning (6 to 7.45am) and evening (5.15pm to 7pm)
4. In Yoga centre, meditation and yoga classes are conducted regularly in the morning and evening respectively.
5. Swimming practice is given to all students by a trained coach on holidays and in the evening time.
6. Gym is open to all dayscholar and hostel students during morning and evening and on holidays.
7. Training on athletics is given to the students in the morning and evening every day. Specific athletic training is also given.
8. TA and DA are given to the students and accompanying physical education department staff for participating in the state, national level and university matches.
9. National level PSN trophy for men and women is conducted every year in the month of February for four games viz. Volleyball, Kabaddi, Basketball and hockey.
10. Physical training and parade are conducted in the morning of everyday for B.E-Marine Engineering students as per the Director General of shipping (DGS) norms by a parade officer designated for this purpose.
11. Health and nutrition classes are conducted regularly to all students.

## 4. Computer

### (a) Maintenance of Computer

1. Computer support group headed by a faculty of computer science and engineering takes care of maintenance of computers, printers, networking switches, LAN and internet.

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2. It also ensures the proper working of all installed softwares and reinstall the software or upgrade it as and when required.
3. Old computers with very low configurations are upgraded by changing the hardware. Also, they are replaced by high end computers.
4. All academic, administrative and hostel buildings are connected by optical fibre cable for high-speed intranet/internet access.
5. SonicWall firewall is used for security and user management.
6. System files cleaning and fragmentation is done periodically.
7. Fire extinguishers are placed in appropriate location and refilled periodically by a company with which AMC agreement has been signed.
8. Softwares are being purchased with three-year AMC agreement for version upgrade and maintenance.
9. Proper power backup is provided to all computers with online ups end generator set.

## (b) Utilization of computer

1. Timetable is prepared for all practical courses without any clash.
2. Online tests (MCQ), Quizzes and assignments are conducted.
3. Students are encouraged to learn the subjects in NPTEL & SWAYAM.
4. Computer laboratories are open beyond the working hours for students and research scholars use.
5. Students use the computers systems to download and read E-Journals and Resources.

## 5. Classrooms

The ICT tools and smart boards available in the classrooms are maintained by the computer support group (CSG) of the college. Estate office is taking care of civil, electrical maintenance and housekeeping of classrooms.

Academic building and classrooms and seminar halls are properly illuminated and 90% of the tube lights have been replaced by energy saving LED lights. Energy saving instructions/posters are placed in all rooms and corridors with the aim of saving energy. Academic buildings have power backup with UPS/Genset.

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**(a) Utilization of Classrooms**

- After the regular academic hours, classrooms are used for value added courses, competitions, association meetings, competitive exam trainings etc.

**6. Other Support Facilities**

ATM, Photostat centre, Canteen, Children's day care centre, Dispensary, Stores are well maintained by the concerned in-charges and the Estate office.



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NON COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT  
FOR YOUR CUMMINS DG SET

Ref: JNMPL/AMC/RENEWAL/570/20-21

Date: 15.12.2020

To:

M/s. PSN COLLEGE OF ENGINEERING AND TECHNOLOGY  
MELATHIDIYOOR POST  
PALAYAMKOTTAI TALUK, TIRUNELVELI

This contract is entered into between JN MACHINERIES PRIVATE LIMITED, hereinafter referred to as the JNMPL which expression unless repugnant to the context or meaning there of shall mean and include its successors and M/s.PSN COLLEGE OF ENGINEERING AND TECHNOLOGY, assigns and hereinafter referred to as 'CUSTOMER' which expression unless repugnant to the context or meaning thereof shall mean and include its successors and assigns.

Whereas the JNMPL is engaged in the business of providing after sales service to Cummins Engines and parts thereof and Diesel Generating sets fitted with Cummins Engines.

Whereas the 'CUSTOMER' is the owner of Diesel generating set fitted with Cummins Engine

whereas the 'CUSTOMER' has requested to the 'JNMPL' to provide after sales service to the DG Set powered with Cummins products owned by the 'CUSTOMER' & installed at 'CUSTOMER' Premises/ plant/ factory as per the Price Schedule "A"

Now therefore this contract is entered into between the 'JNMPL' and 'CUSTOMER' on the following terms and conditions

**DEFINITIONS:**

"D.G. Set" means Diesel Generating set fitted with Cummins Engine & Main Alternator and its control panels.

"Day" Means eight hours or part thereof.

**MAINTENANCE OF RECORD:**

Record for maintenance, failure and corrective actions taken, shall be jointly kept by both 'CUSTOMER' and the JNMPL.



JN Machineries Private Limited  
Authorized Cummins Dealer  
Tirunelveli Office  
No. 7/1, Karnachi Nagar Main Road  
Opp. KTC Nagar VM Chatram  
Tirunelveli - 627 011  
Phone: +91 452 2520006 2520984  
Email: jnmpl@jnmpl.com

Registered Office  
Natham Road, Marani Vilakki,  
Oomachikulam, Madurai-625 014  
Phone +91 452 2681765, 2680001  
Fax +91 452 2681515  
Email: jnmdu@jnmpl.com

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MELATHEDIYOOR, PALAYAMKOTTAI TALUK





15. During the service contract period, it should be obligatory that no other person other than JNMPL representative or 'CUSTOMER's authorized staff should open the engine to carry out any repair. It would also be obligatory that the 'CUSTOMER' shall purchase parts from Cummins authorized sources and repair and job work is done from an authorized service center of Cummins. If in case, it is observed that the parts have been purchased from unauthorized source or service has been taken from an unauthorized person, JNMPL shall not be responsible for any of the obligations under this Contract and shall have the right to terminate the Contract forthwith.
  16. Lock out and tag out procedures to be incorporated adheres to the safety standards.
  17. In no event shall the JNMPL be held responsible for any consequences whether direct or indirect which may arise out of 'CUSTOMER's non compliance to the afore mentioned obligations in this clause.
18. [SI] would be responsible for insuring its assets and JNMPL would not be responsible for theft or fire or acts of God, loss or accidental damage to the equipment.

#### PAYMENT TERMS:

Within 30 days after submission of Invoices or otherwise as agreed between JNMPL & 'CUSTOMER'

#### VALIDITY:

This contract will be in effect from JAN'21 to DEC'21 and AMC contract will be getting expired subject to the contract period or completion of 4 Visits whichever occurs earlier. The AMC shall start on the date of signing the AMC and will be valid for a period of 1 year unless terminated earlier by the parties. (As per the termination Guidelines)

#### TERMINATION:

Either party may terminate this contract by giving written notice of not less than 30 days. In case of termination the service provide will refund the advance payment made for the services not availed by the 'CUSTOMER' on prorata basis less Service Tax & any other taxes paid by Service provided. This contract shall become null and void if above DG set is shifted from original location to elsewhere without consent of the JNMPL. In case during the period of maintenance agreement, the DG is relocated (or) transported without sufficient prior intimation to the JNMPL, the provider reserves the right to terminate this agreement forthwith. On such termination, 'CUSTOMER' shall have no obligation or liabilities arising out of this agreement and the 'CUSTOMER' shall have no right to claim any refund or compensation.



JN Machines Private Limited  
Authorized Cummins Dealer  
Tirunelveli Office  
No. 7-1, Kermach Nagar, Main Road  
Opp. KTC Nagar, VM Chattram  
Tirunelveli - 627 011  
Phone +91 452 2520006, 2520884

Registered Office  
Natham Road, Marani Vilakku  
Oomachkulam, Madurai-625 014  
Phone +91 452 2681765, 2680001  
Fax +91 452 2681515

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**LIMITAION OF LIABILITY:**

Notwithstanding anything mentioned in this Contract or in any document processed referring this Contract, the total liability of JNMPL shall be limited upto the amount received by JNMPL till the date. Neither Party shall in any event be liable for any special, indirect, consequential, or incidental damages arising in any way out of this Contract.

**FORCE MAJEURE**

Neither party will be held liable for delays or other failure to perform its obligations which are due to any factor or event outside its reasonable control. Such factors or events dispute, civil commotion, fire or other accident, governmental act or regulation, embargo, not, armed conflict, war, terrorism (Including any threat of not, armed conflict, war and terrorism), act of God, Court order, inclement weather, natural catastrophe, epidemic, respondent non-cooperation, virus/hacker attack, delay or interruption in public communication service, and utility outage.

**ARBITRATION**

Any dispute or difference whatsoever between and parties or person or persons claiming through them arising out of or connection with this contract or regarding the rights or liabilities of the parties or regarding interpretation of this contract or any clause thereof including interpretation of this clause shall be referred to arbitration of two arbitrators, One to be appointed by the Contractor and other by the 'CUSTOMER' and proceedings of the Arbitration Act, 1996 and any statutory modification or re-enactment thereof. Only competent courts at Chennai shall have jurisdiction over the arbitration proceedings in respect of the matters require to be dealt with the Courts in accordance with the Indian Arbitration Act, 1996 except the courts exercising jurisdiction under the Arbitration act as above. No other Court, Tribunal, Commission or Forum (including Consumer Forum, Commission OR Tribunal) shall have any jurisdiction over any dispute and that such jurisdiction is hereby specifically excluded.)

**GOVERNING LAWS AND JURISDICTION**

This Contract shall be governed and construed according to the laws of India. All judicial proceedings shall be subject to the jurisdiction of MADURAI ( India).

This Contract is entered on this.....

Dealership

For JN MACHINERIES PVT LTD

For PSN COLLEGE OF ENGINEERING AND TECHNOLOGY

**AUTHORIZED SIGNATORY**

**AUTHORIZED SIGNATORY**



JN Machines Private Limited  
Authorized Cummins Dealer  
Tirunelveli Office  
No. 7/1, Karmachi Nagar Main Road,  
Opp. KTC Nagar, VM Chattram,  
Tirunelveli - 627 011  
Phone +91 482 2520006, 2520684  
Email jnmvill@jnmpl.com

Registered Office  
Natham Road, Maram Vilakku  
Oomachikulam, Madurai-625 014  
Phone +91 452 2681765, 2680001  
Fax +91 452 2681515  
Email : jnmdu@jnmpl.com



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**FIELD SERVICE REPORT  
THREE PHASE UPS**

Doc # **CONSUL-FOR-SER-016**  
Rev # **01(25-Sep-19)**  
Page # **1 Of 1**

Service Request No:  
**1100705763**

Order No:  
**6000663417**

Call Received ON & Time:  
**05-SEP-2019 12:48**

Customer Name & Address  
**PSN COLLEGE OF ENGINEERING TECHNOLOGY  
PALAYAMKOTTAI TALUKTIRUNELVELI  
VILUPATHI MELATHEDIYOOR**

Contact Person: **MR.JEGANLAL**  
Contact Number: **04634- 279600/978921**  
Mail Id: **IDZTIRUNELVELI@PSNCE.T.AC.IN**  
Web Site:  
Warranty Period: **FROM 15-SEP-2016 TO 14-SEP-2021**

Product Name <b>THREE PHASE UPS</b>	Model <b>FALCON 8K</b>	Sub Model:	Serial Number: <b>000020161900060267</b>	Capacity: <b>135 KVA</b>	Unit Status: <b>WARRANTY</b>
Battery Make <b>EXIDE</b>	AH <b>150</b>	Model: <b>SMF</b>	Battery Bank <b>2</b>	Quantity: <b>32</b>	Batch code: <b>4UK - 32#</b>
Call category <b>BATTERY REPLACEMENT</b>	Customer Complaint: <b>BATTERY REPLACEMENT</b>			Call Status: <b>COMPLETED</b>	

Problem (Diagnosis / Observation): **BATTERY REPLACEMENT**

Corrective Action: **32 NOS OF 150AH EXIDE NXT BATTERIES HAS REPLACED, NOW UPS IS WORKING FINE AND ALL BATTERIES ARE GOOD CHARGING CONDITION. ALL PARAMETERS ARE GOOD FUNCTIONING**

Customer suggestion if any:

Items replaced if Any:

Items need to Replace if Any:

IP Volts		IP Current		Rectifier DC Volts		Battery		OP Volts		OP Current			Frequency		Temperature						
RV	VN	BN	NE	RA	YA	BA	PN	+VeE	-VeE	Volt	Amps	UN	VN	WN	UA	VA	WA	IP	OP	Ambi	HS
234	234	237	1	15	12	13	432	-	-	480	6	230	230	230	4	3	5	49.9	49.9	28	34

Replaced Equipment Details: **COMPUTER**

Remarks:

Customer Complaints have been resolved during our visit. We are grateful to the customer for the same.

Call Attended Date/Time: **05-SEP-2019 13:00**  
Call completed Date/Time: **05-SEP-2019 18:52**

Unit Working Status:  
**WORKING OK**

Engineer Signature:

*[Signature]*

Engineer Name:  
**NAGAMUTHU P**

05-SEP-2019 18:01

Customer Photo

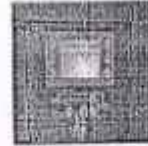
Customer Sign  
**THIRUPATHI**

Unit Serial Number



05-SEP-2019 17:59

Display



05-SEP-2019 17:59

Site



05-SEP-2019 18:00

Address: **PSN COLLEGE OF ENGINEERING & TECHNOLOGY, PALAYAMKOTTAI TALUK, TIRUNELVELI DISTRICT, TAMIL NADU - 627 152**

Company: **CONSUL, HIGHWATT POWER SOLUTION PVT LTD, 119, Electrical & Electronics Industrial Estate, Perungudi, Chennai - 600096**

Customer Care Number: **0-781000 9955**

Email: **support@consulhighwatt.com**

Web: **www.consulhighwatt.com**

**PRODUCTS OFFERING**

Online UPS / Enterprise Class Online UPS / Industrial Systems / DC Power Systems / Static Transfer Switch / Active Harmonic Filters / Solar Inverter / Solar Power Plant / Industrial Inverters / Stabilizers / Energy Converter For Lighting / Isolation Transformers / Ultra Isolation Transformers / K Rated Transformers

**SERVICES OFFERING**

Annual Maintenance Contracts (AMC) / Annual Maintenance Contracts (Labour - AMC) / AMC for Third Party Stabilizers / Battery Replacement / Surge Protection / Power Audit / Electrical Repairs / Rental UPS And Stabilizers / Stabilizer Oil Replacement / Remote Monitoring



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TIRUNELVELI DIST - 627 152**

# ANAX INFOTECH Pvt. Ltd.,

## CCTV Annual Maintenance Contract

Date: 01.11.2016

### Services

ANAX INFOTECH Pvt. Ltd., CCTV Annual Maintenance Contract provides the following services:

Criteria	Description
<b>ANAX INFOTECH Pvt. Ltd., Annual Maintenance</b>	ANAX INFOTECH Pvt. Ltd., carries maintenance Activities according to Equipment specific maintenance schedule for each equipment.
<b>ANAX INFOTECH Pvt. Ltd., Customer Support Team</b>	ANAX INFOTECH Pvt. Ltd., Customer Support handle technical failures and faults in the CCTV Cameras or for requests of other assistance on site. ANAX INFOTECH Pvt. Ltd., Customer Support Team can be easily accessed through one IVR number and through support portal as tickets <b>Voice Support: +91 9171233333</b> ANAX Customer Support Team personnel answers to service requests and assigns work to ANAX INFOTECH Pvt. Ltd., technicians to perform the Call-Out Services. Service requests for non-urgent service repair work is assigned to ANAX INFOTECH Pvt. Ltd., field operations
<b>Call-out Service</b>	Call-out Service is designed to solve unexpected equipment failure, equipment stoppage or erratic operation, requiring immediate attention of a ANAX INFOTECH Pvt. Ltd., Technician
<b>Service Repair</b>	Service Repair is repairing a malfunction or broken or damages component in the equipment. By identifying service repair needs in the equipment condition during the maintenance visits, ANAX INFOTECH Pvt. Ltd., is able to perform Service Repair visit even before the equipment's operation is disrupted.



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MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.

Registered Office:  
176 Twin Building, 2nd Floor (Anjappar Hotel  
Upstairs, Thoothukudi, Tamil Nadu 628003.

Voice Support: +91 9171233333 (8AM - 10PM)  
[info@anaxinfotech.com](mailto:info@anaxinfotech.com)



Appendix1

TERMS AND CONDITIONS OF NON-COMPREHENSIVE MAINTENANCE CONTRACT

1. **Period of Contract:** The contract is valid for the period agreed in the above Contract Details. This may be renewed periodically subject to rendering of satisfactory service & fulfilling the term & conditions.

2. **Payment Term:** Payment shall be made 100% advance against approved quote.

3. **Scope:** Maintenance of the CCTV Surveillance System includes Camera Visibility Test,

4. **Non coverage:** Replacement or repairing of CCTV Materials & Accessories which are in faulty condition are not covered under this contract, however ANAX INFOTECH shall arrange for the same on chargeable basis based on Customer's consent. If it is arranged by Customer, the equipment parts replaced must be new and equivalent in performance of existing parts.

Product replacements under manufacturer warranty as per manufacturers terms and conditions.

5. **Additional Charges:** The cost includes the travelling cost for rendering service throughout agreed period for one or all locations & for one or all systems. Additional charges will be applicable for the replacement or repair of spares as mentioned in above clause. Password Reset, Relocation of products and Data Back-up services will be provided on chargeable basis.

Worn-out product repairs will be carried out based on terms & conditions of ANAX InfoTech's service vendor on chargeable basis.

6. **Frequency of Visits**

Customer site will be visited depends upon the AMC Plan.

7. **Working Hours:** The maintenance work shall normally be done during working hours of the customer. However in case of emergency, maintenance may be done beyond office hours and even on holidays, prior arrangement through proper communication should be worked out in all cases.

8. **Final Authority:** The final authority for payments will be Head of the Organization offering the service.

9. **Customer Support:** File your maintenance requests to ANAX INFOTECH Voice Support: +91 9171233333 E-mail: [info@anaxinfotech.com](mailto:info@anaxinfotech.com)

For  
ANAX INFOTECH Pvt. Ltd.  
Thoothukudi, Tamil Nadu 628003.

For  
PSN College of Engineering and Technology  
Melathediyoor, Tirunelveli-627152.



*[Handwritten signature]*  
01/11/16

*[Handwritten signature]*

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MELATHEDIYOOR, PALAYAKKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.

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TIRUNELVELI DIST. - 627 152.

Registered Office:  
176 Twin Building, 2nd Floor (Anjappar Hotel  
Upstairs, Thoothukudi, Tamil Nadu 628003.

Voice Support: +91 9171233333 (8AM - 10PM)  
[info@anaxinfotech.com](mailto:info@anaxinfotech.com)

# SATHYA Technosoft (I) Pvt. Ltd.,

## CCTV Annual Maintenance Contract

Date:

Reference No: STS 2 1 1 1 1 2 1 0 8 0




### Parties Details

<b>Customer</b>	<b>SATHYA Technosoft (I) Pvt. Ltd.,</b>
Company Name: PSN COLLEGE OF ENGINEERING AND TECHNOLOGY	SATHYA Technosoft (I) Pvt. Ltd.,
Registered Address:	371, Palayamkottai Road,
PSN Nagar, Melathediyoar, Pallayam Kottai,	Tuticorin-628 002
Tirunelveli - 627152	Tamil Nadu
Contact Person: Sudhakar	Tel: 9952 300 300
Contact Person's Ph. No: 9597970444	Contact Person:
	Contact Person's Ph. No:

### Site Address

Company Name: PSN COLLEGE OF ENGINEERING AND TECHNOLOGY  
 Registered Address: PSN Nagar, Melathediyoar, Pallayam Kottai, Tirunelveli - 627152

This contract has been prepared in two identical counterparts, one for each party. We hereby agree to the General Terms and conditions as detailed in the Appendix 1 & 2.

SATHYA Technosoft (I) Pvt. Ltd.,	Signed by the Customer	Signed by SATHYA Technosoft (I) Pvt. Ltd.,
	 Dr P SELVAKUMAR M.E. Ph.D. EXECUTIVE DIRECTOR PSN COLLEGE OF ENGINEERING & TECHNOLOGY MELATHEDIYOOR, PALAYAMKOTTAI TALUK TIRUNELVELI DIST 627 152	
Contract No	Date: 24.11.2021	Date:

Registered Office:  
 SATHYA Technosoft (I) Pvt. Ltd.,  
 371, Palayamkottai Road, Tuticorin - 628002,  
 Tamil Nadu, South India

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 MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
 TIRUNELVELI DIST 627 152  
 Voice Support: +91 9952300300  
 24x7 Online Support: www.sathyainfo.com



**Contract Details**

Commencement date	23 Dec 2021
Contract duration period	1 Year
Contract renewal Date	23 Dec 2022
Plan Type & No of Visits	1 Scheduled visit per Month(12 visits/Year) #Each additional visit will be on Chargeable basis #The contract does not include any spare replacement #GST is additional #100% payment Advance payment #Backup of data is client scope
Payment terms	Amount as mentioned in Appendix 2 to be paid in advance as per the AMC Plan
SATHYA Technosoft (I) Pvt. Ltd., normal working hours	10.AM to 6.PM(Mon-Sat)

**Equipment Covered Under AMC**

Equipment Name	Brand Name	Model No.	Serial No.	Date of Purchase	Warranty Period
CCTV Camera	Hikvision	HIKVISION CAMERA DS-2CD120P-I3 (1MP 4MM)	IP	19 <sup>th</sup> July 2019	19 <sup>th</sup> July 2020
CCTV Camera	Hikvision	HIKVISION CAMERA DS-2CD130P-I(1MP)	IP	19 <sup>th</sup> July 2019	19 <sup>th</sup> July 2020
CCTV NVR	Hikvision	HIKVISION NVR DS-7P16N1-Q2	NVR	19 <sup>th</sup> July 2019	19 <sup>th</sup> July 2020
CCTV NVR	Hikvision	HIKVISION NVR DS-7P32N1-K2 (32CH)	NVR	19 <sup>th</sup> July 2019	19 <sup>th</sup> July 2020



Registered Office:  
 SATHYA Technosoft (I) Pvt. Ltd.,  
 Palayamkottai Road, Tuticorin - 628002,  
 Tamilnadu, South India.

**PRINCIPAL**  
 PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
 MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
 TIRUNELVELI DIST - 627 152  
 Voice Support: +91 9952300300 (9AM - 9PM)  
 24x7 Online Support: [www.sathyainfo.com](http://www.sathyainfo.com)

## Appendix 1

### TERMS AND CONDITIONS OF NON-COMPREHENSIVE MAINTENANCE CONTRACT

1. **Period of Contract:** The contract is valid for the period agreed in the above Contract Details. This may be renewed periodically subject to rendering of satisfactory service & fulfilling the term & conditions.

2. **Payment Term:** Payment shall be made 100% advance against approved quote.

3. **Scope:** Maintenance of the CCTV Surveillance System includes Camera Visibility Test, DVR Recording Test, DVR Settings Verification, and Disk Error Check.

4. **Non coverage:** Replacement or repairing of CCTV Materials & Accessories which are in faulty condition are not covered under this contract, however SATHYA shall arrange for the same on chargeable basis based on Customer's consent. If it is arranged by Customer, the equipment parts replaced must be new and equivalent in performance of existing parts.

Product replacements under manufacturer warranty as per manufacturers terms and conditions.

Data backup & providing product stand-by are not covered in this contract.

5. **Additional Charges:** The cost includes the travelling cost for rendering service throughout agreed period for one or all locations & for one or all systems. Additional charges will be applicable for the replacement or repair of spares as mentioned in above clause. Password Reset, Relocation of products and Data Back-up services will be provided on chargeable basis.

Worn-out product repairs will be carried out based on terms & conditions of Sathya's service vendor on chargeable basis.

#### 6. Frequency of Visits

Customer site will be visited depends upon the AMC Plan in Appendix 2.

7. **Working Hours:** The maintenance work shall normally be done during working hours of the customer. However in case of emergency, maintenance may be done beyond office hours and even on holidays, prior arrangement through proper communication should be worked out in all cases.

8. **Final Authority:** The final authority for payments will be Head of the Organization offering the service.

9. **Customer Support:** File your maintenance requests to Sathya. Voice Support - 9952300300 or Online Support: support@sathyainfo.com.

#### 10. Recommended Electrical Wirings

- Proper earthing, proper power plug provisions for the DVR side along with UPS connections
- Proper arrangements in camera side enclose all the camera cables into the box
- All the cables lay into the PVC or any other pipe.
- Must avoid the CCTV cables and electrical cables together



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Registered Office:  
SATHYA Technosoft (I) Pvt. Ltd.,  
- 1, Palayamkottai Road, Tuticorin - 628002.  
Tamil Nadu, South India

Voice Support: +91 9952300300 (9AM - 9PM)  
24x7 Online Support: [www.sathyainfo.com](http://www.sathyainfo.com)



Appendix 2

AMC PLAN AND PAYMENT DETAILS

Plan Type: 1 Year

No of Visits:  12 Visits in a Year  4 Visits in a year  On Call Basis

Items	Charges
127 Cameras + 5 NVR	Rs.25000/- (Standard Charge)

Details:

Items - 127 Cameras + DVR

Charges

Up to 120 Cameras + 5 NVR - Rs. 25000/- (Standard Charge)

Additional \_\_\_\_\_ Cameras - No. of additional cameras \* Charge /camera = Rs. \_\_\_\_\_

Additional 1 DVR - Rs. \_\_\_\_\_

Total Amount = Rs. \_\_\_\_\_

Signature

For Customer

Dr. P SELVAKUMAR M.E. Ph.D.

EXECUTIVE DIRECTOR

P'SN COLLEGE OF ENGINEERING & TECHNOLOGY

MELATHEDIYOOR, PALAYAMKOTTAI TALUK

TIRUNELVELI DIST 627 152



Signature

For SATHYA Technosoft (I) Pvt. Ltd.,

PRINCIPAL

P'SN COLLEGE OF ENGINEERING & TECHNOLOGY

MELATHEDIYOOR, PALAYAMKOTTAI TALUK

TIRUNELVELI DIST - 627 152

Registered Office:

SATHYA Technosoft (I) Pvt. Ltd.,  
121, Palayamkottai Road, Tuticorin - 628002,  
Tamilnadu, South India

Voice Support: +91 9952300300 (9AM - 9PM)  
24x7 Online Support: [www.sathya.info.com](http://www.sathya.info.com)

Ref: GS/Tvl/2021105/2021 - 22

Date: 01.10.2021

## AGREEMENT FOR THE MAINTENCE OF ELEVATORS

M/s P S N College of Engineering, (G + 6 Floors/13 persons) Tirunelveli.

Herein after to as the "Owner"

### Equipment Type & Maintenance price Details

Equipment Type : Passenger Elevators  
Type of Contract : Comprehensive Type  
Contract price : **Rs. 65,000/-** Per lift per annum (Sixty Five Thousand only) Hence for Two lifts **Rs. 1,30,000/-** (One lac Thirty thousand only)  
Period of Contract : Start date after signing of the contract.

GS LIFTS agrees upon the terms and condition of this agreement (attached) to provide the Maintenance and repairs services specified in the condition. (The Services) in respect of the equipment located at the above premises.

In consideration of the provision by GS LIFTS of the services the owner agrees to pay the maintenance fees of the payment dates.

This agreement shall commence on the commencement date and will continue for the period of the agreement specified above, unless terminated or suspended in accordance with the condition of the contract and will continue thereafter on an monthly basis unless terminated by either party giving to the other a one month's advance notice.

Accepted on behalf  
For GS LIFTS

(Authorized Sign)



Accepted on behalf of  
The "OWNER"

Dr. P SELVAKUMAR M.E. Ph.D.  
EXECUTIVE DIRECTOR  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYODUR PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST 627 152



10/94E, Erumbukadu & (P.O.), Nagercoil, Kanyakumari Dist., Pin : 629 004.

Ph : 04652 264544, | Mob : 8489565655, 9486629511

Email : [gslifts@gmail.com](mailto:gslifts@gmail.com) | Website : [www.gslifts.in](http://www.gslifts.in)

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TIRUNELVELI DIST - 627 152



**AGREEMENT FOR ANNUAL MAINTENANCE OF ELEVATORS**

BUILDING NAME	PSN COLLEGE
LOCATION	TIRUNELVELI
MAKE & TYPE OF ELEVATORS	JOHNSON
No.OF.ELEVATORS	TWO
TYPE OF CONTRACT	COMPREHENSIVE

**COMPREHENSIVE CONTRACT****SECTION : 1****GS Lifts Shall:**

1. Service the lifts at regular intervals and as frequently as the company deems necessary based on the age, nature and condition of the elevator and we will take all reasonable care and maintain the lift equipment in safe and proper working condition.
2. Carry out the service work whenever possible on a day convenient to the customer other than Sunday & Holidays and during regular working hours.
3. Assume no responsibility for refinishing repairing the following non-proprietary items of the lift equipment and we have not included for the same in this contract. Car enclosure's car flooring, hoist way enclosure, hoist way and car door, door and gate handles, door beading, door frames, sills push box covers in landings and car electric incoming mains, main switch, EPABX Telephone intercom, fan and light fittings, mirror, alarm bell and buzzer, emergency light, alarm device, main VVVF drive, A R D and batteries.
4. Be entitled to depute its authorized service personal to attend all call back during normal working hours, free of charges.



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**TIRUNELVELI DIST - 627 152**



## GS LIFTS»

5. Repair overhaul the lift parts when in our judgment, the conditions warrant and the old parts will be removed and this will become our property.
6. Not included in this contract to depute its service personnel for any other work, which does not come under the purview of the contract, if it becomes necessary whether required by statutory body or otherwise, the company shall charge you extra and it shall be payable in advance.
7. Replenish the Gear and Motor bearing with necessary GS Lifts Lubricants whenever necessary and all parts of the lift will be checked, cleaned and lubricated to keep them, both mechanically and electrically in perfect working condition.
8. Carry out according to its standards customary annual safety test to examine all safety devices. The company will not be required to make any other tests. The company will not be required to install new attachments or to make replacements with parts of a different design to the elevator whether or not recommended or directed by Insurance Companies or by Government or Non-governmental authorities.
9. Not be liable for repairing or replacing any lift which in our opinion is damaged or broken due to accident or negligence or misuse or willfully damaged by the users or third party or due to reasons over which the company has no control.
10. Replace any components or parts of the lift, if it becomes necessary, on account of the reasons quoted under clause No.9, such work will be carried out after obtaining your consent and the cost of the same will be to your account, in addition to the contract charges.
11. By notice in writing to the customer forthwith terminate this contract and/or not be liable for any loss and/or not make replacements and repairs free of charge, in any of the following circumstances:
  - (a) If the customer fails to pay the company the amount as and when due under this contract.




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## GS LIFTS»

- (b) Where the company is prevented for a continuous period of 3 months from performing its duties for any reason and for any circumstances beyond its control.
- (c) Where without the company's prior written consent, any work within the scope of this contract is carried out by anyone other than the company's service personnel or Agents.
- (d) Where, after written notice to the customer about important work or replacement to be carried out, which are not within the scope of this contract, the customer refuses or fails to carry out the said work/replacements within a reasonable time.
- (e) Where equipment is not prevented from misuse by the customer.
- (f) Where materials, components, parts or assemblies are not longer available due to obsolescence or if they are permanently taken out of production by the original supplier, when the supply and use of alternative replacement materials, components, parts or assemblies (as the case may be) shall be at the cost of the customer. In the event, the company considers themselves unable to supply any materials or parts for the purpose of this agreement, this agreement shall forthwith terminate without prejudice to the company's accrued rights and without any liability to the company for such termination.
- (g) Where damage or delay is caused due to strikes, lockouts, civil commotion, war, theft, floods, riots, explosion or act of God or cause beyond our control.
- (h) Where damage is caused to all or part of the elevator as a consequence of a faulty electrical system, fire, water seepage, flooding etc. It is recommended that the client takes adequate protection form insurance or similar companies to cover equipment for damages that can occur due to such cases. In such and event, the cost of repair or replacement shall be reimburse to us without any conditions of limitations.



  
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**TIRUNELVELI DIST - 627 152**

## Section 2

### **The Customer Shall:**


1. Keep the machine room under lock and key to prevent pilferage and theft.
2. Keep the sills machines room and put clean
3. Notify the company of any malfunction what sever of the elevator.
4. Prevent misuse or vandalism of the elevator.
5. Ensure that two trained persons in the building are available for emergency rescue of trapped passengers.
6. Not allow any other persons, either his own or a third party to tamper with elevator or rectify any of the elevator components during the subsistence of this contract with the explicit understanding that any breach of this clause shall relieve the company of all further obligations under this contract.

## Section 3

### **General Terms:**

1. If it becomes necessary to replace any components of parts of the lift on account of the reason quoted under clause No.9 (Section 1). Such work shall will be to your account.
2. The company is not expected to assume liability for injury (other than to its employees) or damage to property resulting from or caused by the elevator during its operation.
3. In case of a reported being attended by the company which it finds is due to extraneous causes such as failure of power supply, improper closing of doors, unauthorized interference by strangers over which the company has no control, a service charges of Rs.200/- shall be levied.
4. In case of any dispute between us, the matter shall be settled by arbitration in Chennai and the Chennai court shall has exclusive jurisdiction.
5. During the period of servicing, the lift shall not be available for your use but the lift operator should be present till the servicing work is completed.



  
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## GS LIFTS»

6. The service contract shall be for a minimum period of one year.
7. The quotation is valid for a period of 30 days from the date of offer and thereafter subject to our confirmation.
8. Upon notification by the customer of a breakdown or failure in the elevator, the company shall send as soon as may reasonably be possible during the company's normal working hours, a technician to carry out necessary repairs in order to restore the elevator to satisfactory working condition.
9. As a token of your acceptance please sign and return to us the original and duplicate copies of the contracts together with the payment. We shall sign and return the original contract form for your records.

### Contract Charges:

Our price for providing the regular comprehensive maintenance contract as detailed herein above is Rs. 65,000/- (Sixty Five thousand only) per lift per annum. Hence for two lifts Rs. 1,30,000/- (One lac Thirty Thousand only)

Contract period: 10<sup>th</sup> October 2021 to 09<sup>th</sup> October 2022.

Yours truly,

For GS LIFTS

(Authorized Signatory)



*DM*

Accepted in Duplicate by Owner

Or His Representative with seal

Dr. P SELVAKUMAR M.E. Ph.D.

EXECUTIVE DIRECTOR

PSN COLLEGE OF ENGINEERING & TECHNOLOGY

MELATHEDIYOOR, PALAYAMKOTTAI TALUK

TIRUNELVELI DIST - 627 152



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TIRUNELVELI DIST - 627 152

**GS LIFTS»**

PAYMENT TERMS

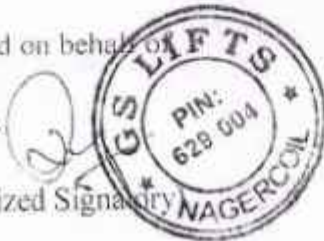
50% as advance

50% as post dated cheque (after completion of first six months date)

Accepted on behalf of

GS Lifts

(Authorized Signatory)



Accepted on behalf of PSN college

(Authorized Signatory)

*DM*  
Dr. P SELVAKUMAR, M.E., Ph.D.  
EXECUTIVE DIRECTOR  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST 627 152



*[Signature]*  
PRINCIPAL  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST - 627 152





**SOUTH ASIYA A/C. ENGG. COM.**  
87/2, Sathya Moorthy Street, Tirunelveli Town.

Authorised Sales & Service  
Window & Split A/c & Stabilizers

Date: 11.10.2021

**TERMS AND CONDITIONS FOR ANNUAL MAINTENANCE FOR AIRCONDITIONERS**

1. The maintenance contract entered is for one year from 11.10.2021 to 10.10.2022
2. Checking and servicing the unit 4 times in a year.
3. Attending to the unit when called upon by you during normal working hours.
4. Repairing the units or parts thereof, as also overhauling the unit including replacing parts free of charge in our Service Station. If required as a result of fair wear and tear.
5. Providing a service unit as and when available, free of charge during repair / overhaul of the unit in our Service Station.
6. Owner will provide and maintain the electrical installation outside of the room Air conditioner through him licensed Electrical Contractor and will not be responsible for damages duo to defect in the electrical installation.
7. The owner of the room air conditioner will have to give us prompt written intimation of any change of location of the unit and also got the new installation approved by us. We will assume no responsibility for service in case installation of change of location is not given.
8. We have the option to terminate the MAINTENANCE SERVICE if the room air conditioner Serviced / repaired by any part other than ourselves or our authorized dealers in case of the change or ownership or any reason whatsoever.
9. Consequential damages and losses of any nature whatsoever are not covered under the service scheme
10. Compressor failure is not covered under AMC PSNCET has to bear the compressor cost. but there will be no service charges.
11. This maintenance service scheme does not cover damage to machines / ancillaries because of environmental conditions
12. A Voltage supply of +230-10V should be ensured to the supply point to the air conditioner
13. You will have to provide a suitable voltage stabilizer to withstand voltage fluctuations
14. The air conditioners Front grills, outer cover, voltage stabilizer and panels for split units are not covered under this contract
15. Tinkering charges extra
16. At the time of undertaking AMC of the Air-Conditioner which should be in working condition
17. We also take AMC for all brands of AIR CONDITIONERS

For,  
SOUTH ASIYA A/C. ENGG. COM.  
87/2, Sathya Moorthy Street,  
Tirunelveli Town.

For,  
PRICIPAL  
PSN College of Engineering and Technology  
Melathediyoor, Tirunelveli

*[Handwritten signature]*

**PRICIPAL**

PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.





No. 41, North Veli Street, II Floor  
 MADURAI-625 001 Tamil Nadu  
 Tel: 0452-4370811 Telefax: 2350811  
 Sales: 98421-27779 Service: 98421-35735  
 E-mail: info@vectras.org

98421 1860 • CST No: 113777 • Area Code : 2 5 2 • ST No. AADFV0487D STOR\*

PSN College of Engineering and Technology,  
 Melathediyoor,  
 Tirunelveli

31<sup>st</sup> July 2016

5 Years Warranty Certificate for Digital Persona Biometric Scanner

Whereas, we are pleased to inform you that, the 5 years Warranty Certificate for 90 nos. of Uru Digital Biometric Scanner is issued to us from the distributor M/s. ID Tech Solutions which are dealers here. The warranty will be provided by the distributor through M/s.Vectra Computer Solution.

This is for your kind information.

For Vectra Computer Solution:

G. Prakash Kumar  
 General Manager



**PRINCIPAL**  
**PSN COLLEGE OF ENGINEERING & TECHNOLOGY**  
**MELATHEDIYOOR, PALAYAMKOTTAI TALUK**  
**TIRUNELVELI DIST - 627 152**

Show Room  
 Madurai 625 001 Phone : 0452-4380809



## Warranty Certificate

The Uru 5100 Finger Print Scanners billed to Vectra Computer Solution, No. 41, 1st Floor, North Veli Street, Madurai - 625 001 has 5 (Five) years warranty from the date of billing. The serial numbers for 90 nos. uru5100 Finger Print Scanners are as below.

1	D600B07960	31	D600B07990	61	D600B18196
2	D600B07961	32	D600B07991	62	D600B18197
3	D600B07962	33	D600B07992	63	D600B18198
4	D600B07963	34	D600B07993	64	D600B18199
5	D600B07964	35	D600B07994	65	D600B18200
6	D600B07965	36	D600B07995	66	D600B18201
7	D600B07966	37	D600B07996	67	D600B18202
8	D600B07967	38	D600B07997	68	D600B18203
9	D600B07968	39	D600B07998	69	D600B18204
10	D600B07969	40	D600B07999	70	D600B18205
11	D600B07970	41	D600B08000	71	D600B18206
12	D600B07971	42	D600B08001	72	D600B18207
13	D600B07972	43	D600B08002	73	D600B18208
14	D600B07973	44	D600B08003	74	D600B18209
15	D600B07974	45	D600B08004	75	D600B18210
16	D600B07975	46	D600B08005	76	D600B18576
17	D600B07976	47	D600B08006	77	D600B18577
18	D600B07977	48	D600B08007	78	D600B18578
19	D600B07978	49	D600B08008	79	D600B18579
20	D600B07979	50	D600B08009	80	D600B18580
21	D600B07980	51	D600B18186	81	D600B18581
22	D600B07981	52	D600B18187	82	D600B18582
23	D600B07982	53	D600B18188	83	D600B18583
24	D600B07983	54	D600B18189	84	D600B18584
25	D600B07984	55	D600B18190	85	D600B18585
26	D600B07985	56	D600B18191	86	D600B07341
27	D600B07986	57	D600B18192	87	D600B07342
28	D600B07987	58	D600B18193	88	D600B07343
29	D600B07988	59	D600B18194	89	D600B07344
30	D600B07989	60	D600B18195	90	D600B08853



Saurav Khemani  
Principal



**PRINCIPAL**  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST - 627 152

**IDS SOLUTIONS PVT. LTD**  
Plot No. 4, Vihar, Phase - V, Gurgaon - 122016  
Phone No. 0124-2555014 (8 lines)  
Fax No. 0124-2555015  
E-mail: info@idsolutionsindia.com

JAS-ANZ



An ISO 9001:2008 Certified Company

GSTIN: 32AGWPA5066A1ZQ

## ONLINE IT SHOPE

Opp.Axis Bank, Market Jn., Hill Palace Road, Tripunithura, Kerala - 682 301  
Ph: 9846244215, 9349337624, 8281841160

Date: 14-11-2021

### AMC AGREEMENT

We Online IT Shope, Tripunithura, Kerala shall maintain the various Computer Systems and other peripherals specified in this Agreement on terms and conditions hereinafter mentioned for PSN College of Engineering and Technology, Melathediyoar, Tirunelveli-627152

#### Terms of the Agreement:

These agreements shall remain in force for the period from 15th November 2021 to 14th November 2022. It shall be open to either party to terminate the Agreement any time during the said period by giving one month notice.

#### NON COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT:

Under this following services will be provided.

1. Quarterly preventive maintenance and checks.
2. Operating system level support without any spare part.

For Online IT Shope

Tripunithura, Kerala

  
Shynu Antony

14/11/21



PRINCIPAL

PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.

For PSN College of Engineering and Technology

Melathediyoar, Tirunelveli



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MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.





## APJ Multi Service Centre

### ANNUAL MAINTENANCE CONTRACT

This Annual Maintenance Contract is for the Six RO Plant of Capacity 250 l/hr, installed at PSN College of Engineering and Technology (Autonomous), Melathediyoar, Tirunelveli-627152.

The following Service will be done as part of the Annual Maintenance Contract (AMC)

- 1) Every 2 (Two) months, our service Engineer, will visit the site, where the equipment is installed, and free service will be done.
- 2) During the above service, 20 inch Micron Filter (2 Nos.) will be changed at free of cost.
- 3) Activity carbon 25kg Sand - 25kg, Membrane filter will be changed at the AMC, the College has to pay for it.
- 4) For the spaces in the equipment installed, during the AMC period, 1 year replacement Warranty is covered, and there will be no labour charges also.
- 5) During the period of the AMC, Complaints (if any) is registered, our service Engineer will attend the complaint at no extra cost within a day.
- 6) This AMC is valid for the period of one Year from 11.11.2021.
- 7) This Annual Maintenance Contract cost is Rs.23,000/- (**Rupees twenty three thousand only**)
- 8) Dosing Pump, Raw water and RO Pump, Panel board with Frame, Sand and carbon vessels are not included at this AMC.

For  
APJ Multi Service Centre  
Tirunelveli

For  
Principal  
PSN College of Engineering and Technology



PRINCIPAL

PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.

PRINCIPAL

PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.



# GERSHOM ENGINEERING ENTERPRISES

## FIRE PROTECTION SAFETY ENGINEERS

Row D/2, Block NO.10, Transit Camp, Mahim (E) Mumbai - 400 017

Tamil nadu Government Approved

Entrepreneurs Memorandum No. **330291100228**

GSTIN :33CCKPS5410C2ZV

# Certificate

This is to certify that  
we have tested refilled & serviced

FIRE EXTINGUISHER OF  
M/s. **PSN COLLEGE OF  
ENGINEERING AND TECHNOLOGY**

on **01-11-2021**  
and found the same in good working condition

if is valid upto **01-11-2022**

Type of Extinguisher	Capacity	Quantity
Soda Acid Type		
Fome Type	<b>FOAM</b>	<b>02 Nos</b>
D.C.P. Type	<b>50 LIT</b>	
Co2 Type		
BCF Halon		
Water Co2	<b>D.C.P</b>	<b>- 01 Nos.</b>
ABC	<b>25 KH</b>	
AFFF, Machanical Foam		

For GERSHOM ENGINEERING ENTERPRISES

B.S.T.R.C. No 40017/S-989 w.e.f. 1-4-96  
C.S.T.R.C. No 40017/C-779 w.e.f. 1-4-96

Proprietor



**PRINCIPAL**  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYODI, PALATHIRAKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.

# GERSHOM ENGINEERING ENTERPRISES

## FIRE PROTECTION SAFETY ENGINEERS

Row D/2, Block NO.10, Transit Camp, Mahim (E) Mumbai - 400 017

Tamil nadu Government Approved

Entrepreneurs Memorandum No. 330291100228

GSTIN : 33CCKPS5410C22V

# Certificate

This is to certify that  
we have tested refilled & serviced

FIRE EXTINGUISHER OF  
M/s. **PSN COLLEGE OF ENGINEERING AND TECHNOLOGY**

on **01-11-2021**  
and found the same in good working condition

if is valid upto **01-11-2022**

Type of Extinguisher	Capacity	Quantity
Soda Acid Type	Co2 4.5kg	02
Fome Type	Co2 2kg	01
D.C.P. Type	Foam 10	04
Co2 Type	DCP 5kg	09
BCF Halon	DCP 6kg	10
Water Co2	DCP 2kg	02
ABC	DCP 10kg	04
AFFF, Machanical Foam		

For GERSHOM ENGINEERING ENTERPRISES

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Proprietor



**PSN COLLEGE OF ENGINEERING & TECHNOLOGY**  
WELATHEDYCOOR, PALANAKATTAI TALUK  
TIRUMELVELI DISTRICT - 627 152

# PSN College of Engineering and Technology (Autonomous)



Melathediyoar, Tirunelveli - 627 152, Tamilnadu  
Approved by AICTE and Affiliated to Anna University

Accredited by NAAC and Recognised by UGC under section 2(f) and 12(B)

An ISO 9001 : 2015 Certified Institution



Website: [www.psnecet.ac.in](http://www.psnecet.ac.in)

Phone: 04634 279009, 04634 279680.

E-Mail: [principal@psnecet.ac.in](mailto:principal@psnecet.ac.in)

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## DEPARTMENT LAB MAINTENANCE REGISTER



DEPARTMENT OF AERONAUTICAL ENGINEERING

No	Date	Name of the Equipment	Serviced by	Quantity	Nature of Repair	Details of Parts Repaired/ Replaced	Value in Rs.	Remarks	Lab In Charge	Handwritten
	05-08-2019	Air Conditioning Test Rig.	M/s. Mercury Lab Apparatus - Madurai.	01	General Service & check up	Gas Refilling	Rs. 225/-	Gas Refilled and corrected		10.8
	05-08-2019	Refrigeration Set up	M/s. Mercury Lab Apparatus - Madurai	01	General Service & check up	Gas Refilling	Rs. 225/-	Gas Refilled and corrected		10.8
	05-09-2019	Losses in Pipes	M/s Mercury Lab Apparatus - Madurai	01	General Service & Periodical check up	Mercury Replacement	Rs. 2,000/-		As per	10.8
	20-01-2020	Francis turbine Test Rig	M/s Best Tarpalin	01	Rope hand entrance	Replacement of brake rope	Rs. 100/-		As per	10.8
	20-01-2020	Emissivity Apparatus Set up	M/s Steel Line Trading	01	Foot valve complaint	Replacement of foot valve	Rs. 100/-			10.8
	20-01-2020	Manometer set up	Self	01	Oil leak	Replacement of oil	Rs. 100/-			10.8



No	Date	Name of the Equipment	Serviced by	Quantity	Nature of Repair	Details of Parts Repaired / Replaced	Value in (Rs)	Remarks	Lab In charge
	13/10/2020	Rotometer Test Rig	M/s. Mercury Lab Apparatus - Madurai	01	Pointer Alignment Problem.	Pointer Alignment level corrected	-	-	Rabin E
	13/10/20	Pelton Turbine Test	M/s Mercury Lab Apparatus - Madurai	01	Star Delta Starter.	cleaning works carried out	-	Starter serviced and closed	Rabin A
	19-10-2020	Diesel Engine Test Rig	Self	01	General Service	Service work carried out, Oil Replacement carried out	200/-	-	Tham G
	22-10-2020	Wind Tunnel set up	Self	01	Periodic Service	Speed controller switch & Starter Switch	Rs. 100/-	Special Controller checked & available	Rabin B
	01-09-2021	Pipe Friction Test Rig	M/s - Mercury Lab Apparatus - Madurai	01	Complete Service required	Full Service carried out	Rs. 2500/-	-	Rabin B
	01-09-2021	Calibration of flow Meter.	M/s - Mercury Lab Apparatus - Madurai	01	Complete Service	Full Service carried out	Rs. 350/-	-	Rabin B
	01-09-2021	Jet pump Test Rig	M/s Mercury Lab Apparatus - Madurai	01	Complete Service	Full Service carried out	Rs. 2500/-	-	Rabin B

No	Date	Name of the Equipment	Serviced by	Quantity	Nature of Repair	Details of Parts Repaired / Replaced	Value in (Rs)	Remarks	Lab In charge
	2-12-21	Rotometer Test Rig.	M/s Mercury Lab Apparatus - Madurai	01	Mismatched Reading	Service work carried out	Rs. 2500/-	Reading corrected at point level	Rabin B
	2-12-21	Great oil pump test Rig	M/s. Mercury Lab Apparatus - Madurai	01	Motor Complaint	Service work carried out	Rs. 2500/-	-	Rabin B
	2-12-21	Variable speed Centrifugal pump.	M/s - Mercury Lab Apparatus - Madurai	01	Motor & Pipe Complaint	Service work carried out	Rs. 2500/-	-	Rabin B



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DEPARTMENT OF CIVIL ENGINEERING - PSNCEET  
AY-2019-2020

Date	Name of the Equipment	Serviced by (Company Name)	Quantity	Nature of Maintenance done	Debit of Value (Parts repair)	Remarks	Staff Charge sign	Head sign
05/07/19	Aggregate Impact Testing Machine	Subi TEK-Madurai	01	Service	Handle Rs, 1,500/-	-	gjs	gjs
06/07/19	penetration Testing Machine	Subi TEK-Madurai	01	service	Needle Rs, 700/-	-	gjs	gjs
08/07/19	vee bee consistometer	Subi TEK-Madurai	01	service (motor)	-	Rs, 1000/-	gjs	gjs
08/7/19	slump cone apparatus	Subi-TEK-Madurai	01	service	Bolt, nuts	Rs. 500/-	gjs	gjs
08/7/19	Compression Testing machine	Subi-TEK-Madurai	01	service	Handle	Rs, 8000/-	gjs	gjs
08/8/19	Cube mould	Quality Testing Instruments - Madurai	15	service	Bolt, nuts	Rs, 1000/-	gjs	gjs
	Cylinder mould	Quality Testing Instruments - Madurai	03	service	Bolt Nut	300/-	gjs	gjs



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20/8/15	Concrete mixer machine	Quality Testing Instruments Madurai	01	Service	Cutting Plate	RS. 1500/-	-	gfg	gfg
20/08/19	Centrifugal Distillation Extractor	Quality Testing Instruments Madurai	01	Service	Handle	Rs. 700/-	-	gfg	gfg
20/08/15	Blaise apparatus	Quality Testing Instruments Madurai	01	Service	Glass Tube	RS 500/-	-	gfg	gfg
20/08/19	Trowel	Quality Testing Instruments Madurai	02	-	New Frame	Rs - 500/-	-	gfg	gfg
20/9/19	Dissect Shear	Super Scientific Instruments	01	Service	Gauge	Rs 500/-	-	ilg	m. A. S.
20/9/19	Shimming Limit	Super Scientific	01	Service	nut	Rs - 600/-	-	ilg	m. A. S.
15/10/20	Beamer Shaver	Jinn Scientific	02	Service	2.36 mm Beamer	Rs - 1000	-	ilg	m. A. S.
15/10/19	Dumpy Level	Hamilton Survey	03	Service	eye piece	Rs - 1500	-	ilg	m. A. S.
17/10/19	Transit Level	Hamilton Survey	03	Service	Large eye piece	Rs - 2000	-	ilg	m. A. S.
8/11/19	Ph. meter	Quantity Testing	01	Testing	Service	Rs - 1000	-	ilg	m. A. S.
8/11/19	Electronic Conductivity	Quantity Testing	02	Testing	-	Rs - 1500	-	ilg	m. A. S.
18/11/19	BoD	Micro Equipment	01	Testing	-	Rs - 1000	-	ilg	m. A. S.
18/11/19	Respirator	Micro Equipment	01	Testing	-	Rs - 1000	-	ilg	m. A. S.
20/12/20	Stand	Hamilton Survey	03	-	Beamer Stand	Rs - 1500	-	ilg	m. A. S.



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S.No	Date	Name of the Equipment	Serviced by (Company name)	Quantity	Nature of Maintenance done	Details of Parts Replaced	Value (Rs)	Remarks	Staff Char. No.
21	03/11/2020	Stone shaker	M/s Scientific Supplies - Bangalore	01	Service	Electric wiring	Rs 500	-	
22	03/11/2020	Floor taker	M/s Scientific Supplies - Bangalore	01	Service	Hub-Bell	Rs 500/-	-	
23	03/11/20	Viscometer	M/s Scientific Supplies - Bangalore	01	Service of Tank	-	Rs 1000/-	-	
24	15/12/20	Thermo line	Hamilton Technology	3	Service of Amalgam	Long pins loose	Rs 2000/-	-	
25	19/12/20	Torsion Test Machine	Hamilton	1	Tuning	-	Rs 500/-	-	

AY 2021-22

S.No	Date	Name of the Equipment	Serviced by (Company name)	Quantity	Nature of Maintenance done	Details of Parts Replaced	Value (Rs)	Remarks	Staff Char. No.
1	01/09/21	CTM	Quality Testing Instruments - Madurai	01	Calibration service	Dial gauge needle	Rs 2000/-	-	
	02/09/21	CTM			Oil seal	-	Rs 1,000/-	-	
2	02/09/21	Stone Shaker Machine	Sabi Tek - Coimbatore	01	Motor service	-	Rs 500/-	-	
3	02/09/21	Viscometer	Sabi Tek Coimbatore	01	Viscometer	Needle service	Rs 750/-	-	
4	02/09/21	Aggregate Impact Testing Machine	Super Scientific Supply - Gandhinagar	01	Numbering	Numbering counter	Rs 750/-	-	
5	02/09/21	Vee Bee Consistency Meter Machine	Super Scientific Supply - Tirunelveli	01	Motor service	Clutch Plate	Rs 1,500/-	-	
6	02/09/21	All Equipments	M/s Equipments Madurai	07	Oil service	for 7 equipments	Rs 700/-	-	
7	02/9/21	Pycnometer (Bottle)	M/s Equipments Madurai	01	-	Pycnometer (Bottle)	Rs 1,000/-	-	
8	02/09/21	Dial Shear Testing Machine	M/s Equipments Madurai	01	Service	Dial gauge	Rs 1200/-	-	
9	02/09/21	Plastic Limit Apparatus	Super Scientific Supply - Madurai	01	damaged parts service	Ball, nut - Replaced	Rs 3100/-	-	





02/09/21	Hydrometer	Quality Testing Instruments - Madurai	01	-	Hydrometer	Rs. 400/-	-	21/9/21
02/09/21	Pycnometer	Lukung Swifts Supplier	01	-	Pycnometer	Rs. 1000/-	-	21/9/21
02/09/21	Thermometer	Lukung Swifts Supplier	02	-	Thermometer	Rs. 200/-	-	21/9/21
06/09/21	Theodolite	Hamilton Survey and Scientific Instruments - Thoothukudi	03	Bubble for Theodolite	-	Rs. 1500/-	-	6/9/21
06/09/21			01	service	Eye piece, cross hair, diaphragm.	Rs. 1500/-	-	6/9/21
06/09/21	Theodolite stand (Rectification of stand)	Hamilton Survey and Scientific Instruments	07	service	Butterfly wing nut (5 nos) side knob (5 nos)	Rs. 5000/-	-	6/9/21
06/09/21	Gummy level	Jomony Swifts Supplier - Tallkulam	03	Bubble tube	-	Rs. 1500/-	-	6/9/21
7/9/21	Compass (Surveyor)	Jethrey Swifts Supplier - Tallkulam	04	Service	-	Rs. 1500/-	-	7/9/21
	Compass (Prismatic)	Jethrey Swifts Supplier - Tallkulam	04	Service	-	Rs. 1500/-	-	7/9/21
08-10-21	Electrical Conductivity meter.	Quality Testing Instruments - Madurai	01	service	Neutral	Rs. 1000/-	-	8/10/21
08-10-21	Muffle furnace	Quality Testing Instruments - Madurai	01	service.	Electrical fitting	Rs. 750/-	-	8/10/21
08-10-21	Turbidity Meter	Quality Testing Instruments - Madurai	01	service	Reading display	Rs. 1500/-	-	8/10/21
08-10-21	BOD-Incubator	Quality Testing Instruments - Madurai	01	service	Class plate damaged	Rs. 1000/-	-	8/10/21



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Sl. No	Date	Name of the Equipment	Serviced By (Company Name)	Quantity	Nature of Maintenance done	Details of parts supplied	Value (Rs)	Remarks	Staff In-charge	HOD
1	09/01/20	EPEL (Lab1)	System Adm	1	SMS not working	no SMS replaced	799.00	-	sh	sh
2	12/02/20	Key Board (Lab1)	System Adm	2	Key Board not connect with CPU	key Board wire damaged and New key Board (2) replaced	660-	-	sh	sh
03	06/03/20	CPU (Lab2) Monitor	System Adm.	1	One monitor not working	Monitor service by Sys. adm then ok.	-	-	sh	sh
04	16/08/20	Mouse (Lab3 PGI Lab)	System Adm	3	Mouse not working properly	New mouse replaced	255-	-	sh	sh
5	2/9/20	CPU (Lab1)	System admin	1	SMPS Not working	one Smpls. replaced.	840-	-	sh	sh
6	16/9/20	CPU (Lab1)	System admin	1	Ram not detected. Ram	Ram clean and fit	-	-	sh	sh
7	14/10/20	Keyboard (K69 PG)	System admin	1	Key Board not working	replace the new keyboard.	345-	-	sh	sh
8	3/11/20	RAM not connected (Lab 3)	System Admin	3	RJ45 pin damaged.	replace the new pin (6)	25-	-	sh	sh
9	19/11/20	mouse (Lab 1)	System Admin	1	mouse not working properly	New mouse replaced.	270-	-	sh	sh
10	2/12/20	CPU (Lab 2)	System Admin	1	Mother board not working	Prong of Mother Board is replaced	2890-	-	sh	sh



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Sr. No	Date	Name of the equipment	Served by (Comp. Eng. Dept)	Quantity	Nature of maintenance	Details of parts replaced	Value (Rs)	Remarks	Staff In-charge sign	Lib. sign
12	10/01/21	System not work (Lab1)	Sys. Admin	01	OS - Issue	New OS installed	-	-	[Signature]	[Signature]
13	28/01/21	System not work (Lab1)	Sys. Admin	01	Software issue	OS installed	-	-	[Signature]	[Signature]
14	15/2/21	Monitor (Lab1)	System Admin	1	Hardware Issue	Replaced the row one - RAM (2G)	575-	-	[Signature]	[Signature]
15	25/2/21	CPU (Lab2)	System Admin	1	Hardware Issue	Replaced the new DRAM - RAM (2G)	575-	-	[Signature]	[Signature]
16	9/3/21	System not working (Lab2)	System Admin	1	Software Issue	new OS installed	-	-	[Signature]	[Signature]
17	15/3/21	Internet not connected (Lab2)	System Admin	4	Hardware Issue	LAN cable replaced	380-	-	[Signature]	[Signature]
18	12/3/21	CPU (Lab2)	System Admin	1	Smmps Issues	Replaced the smmps another one	820-	-	[Signature]	[Signature]
19	19/3/21	Monitor (Lab3)	System Admin	1	Hardware Issue	Replace the New Ram.	315-	-	[Signature]	[Signature]
20	27/3/21	OS Problem (Lab2)	System Admin	1	Software Issue	Install New operating system. (OS)	-	-	[Signature]	[Signature]
21	9-9/21	OS Problem (Lab3)	System Admin	1	Software Issue	Install (OS)	-	-	[Signature]	[Signature]
22	12.10.21	CPU	Sys. Admin	01	System not open	40 All the power are	-	-	[Signature]	[Signature]



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Department of Computer Science and Engineering

6

Lab Equipment Maintenance Register

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S.No	Date	Name of the equipment	Service by (Comp/OS/Net)	Quantity	Nature of maintenance	Detail of parts replaced.	Value	Remarks	Staff Incharge Sign	Head Sign
23	18/11/21	Monitor [Lab2]	System Admin Lab	01	Display problem	Serviced - Now its working	-	-	PR	Y. Sub
24	9/12/21	CPU [Lab]	Sys. Admin	01	RAM Not working	Replaced.	380-	-	Y	Y. Sub
25	10/01/22	COMPUTER	System Admin	01	Board Problem.	Processor changed.	1800-	-	PR	Y. Sub
26	20/10/21	Reproducible software	System Admin	01	Internet connectivity not working	RTAS Replaced in that system (6)	30-	-	Admin	Y. Sub
27	30/12/21	CPU [Lab1]	System admin	01	Smgs Not working	Replaced motherboard new smgs.	830-	-	Y	Y. Sub
28	5/1/22	OS Problem [Lab2]	System Admin	01	Software issues.	Replaced New OS.	-	-	PR	Y. Sub
30	9/1/22	CPU Problem [Lab]	System admin	01	Hardware Issues.	Replaced New Ram.	320-	-	Admin	Y. Sub



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**PSN COLLEGE OF ENGINEERING AND TECHNOLOGY**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION**  
**MAINTENANCE REGISTER**

S.No.	DATE	NAME OF THE EQUIPMENT	SERVICED BY	QUANTITY	NATURE OF MAINTENANCE DONE	DETAILS OF PARTS REPLACED/DETAILS OF SERVICE	VALUE (RS.)	REMARKS	STAFF IN CHARGE	HOD SIGN.
1.	15.03.2019	DSP TRAINER KIT(SDLC)	TECHNICIAN, ECE	1	PREVENTIVE MAINTENANCE	EPR0M & PROCESSOR <sup>DSP</sup>	-	SATISFACTORILY	Jam	Jr
2.	01.03.2019	FPGA KIT	TECHNICIAN, ECE	1	PREVENTIVE MAINTENANCE	PUSH BUTTONS SERVICED	-	SATISFACTORILY	Jam	Jr
3.	17.04.2019	KLYSTRON POWER SUPPLY	TECHNICIAN, ECE	1	PREVENTIVE MAINTENANCE	REPLACED GUNN DIODE	700	SATISFACTORILY	Jam	Jr
4.	24.04.2019	PIN MODULATOR	TECHNICIAN, ECE	1	PREVENTIVE MAINTENANCE	REPLACED PIN MODULATOR	650	SATISFACTORILY	Jam	Jr
5.	15.05.2019	OPTICAL TRAINER KIT	TECHNICIAN, ECE	2	PREVENTIVE MAINTENANCE	KIT SERVICED	-	SATISFACTORILY	Jam	Jr
6.	23.05.2019	GUNN POWER SUPPLY	TECHNICIAN, ECE	1	PREVENTIVE MAINTENANCE	OSCILLATOR SERVICED	-	WORKING SATISFACTORILY	Jam	Jr
7.	21.06.2019	FREQUENCY METER, VSWR METER	TECHNICIAN, ECE	2	PREVENTIVE MAINTENANCE	SERVICED	-	SATISFACTORILY	Jam	Jr
8.	01.06.2019	DSP TRAINER KIT (TMS 320 C50 SERIES)	TECHNICIAN, ECE	1	PREVENTIVE MAINTENANCE	POWER LEDS SERVICED	-	SATISFACTORILY	Jam	Jr
9.	5-08-2019	Function Generator	Technician, ECE	2	Preventive Maintenance	Serviced generator	-	Working satisfactorily	Kishore	Jr
10.	22-05-2019	CAD	Technician, ECE	2	Preventive Maintenance	Serviced CAD	-	Satisfactorily	Kishore	Jr
11.	9-09-2019	Dual mode Power Supply	Technician, ECE	1	Preventive Maintenance	replaced Transformer power supply	200	satisfactorily	Kishore	Jr
14.	23-09-2019	DSO	Technician, ECE	1	Preventive Maintenance	Serviced DSO	-	Satisfactorily	Kishore	Jr
15.	03.10.2019	Computers (PSN/CET/ECE/DSPL)	Technician, PSN/CET	1	PREVENTIVE MAINTENANCE	Upgraded from windows XP to windows 7	-	Computers working satisfactorily	Kishore	Jr



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 PALATHIYOOR, PALAKKAD  
 TRUNNELVELI DISTRICT

11 Jan 19



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DEPARTMENT OF

## MAINTENANCE

ENGINEERING AND TECHNOLOGY  
ELECTRONICS AND COMMUNICATION

## REGISTER

S.NO.	DATE	NAME OF THE EQUIPMENT	SERVICED BY	QUANTITY	NATURE OF MAINTENANCE DONE	DETAILS OF PARTS REPLACED/ DETAILS OF SERVICE	VALUE (RS.)	REMARKS	STAFF IN-CHARGE	HOD SIGN.
17	06-01-2020	8085 Microprocessor Kit	TECHNICIAN - ECE	02	PREVENTIVE MAINTENANCE	LED REPLACED	440	Satisfactory	Phy →	Dr
18	20-01-2020	8051 Microcontroller Kit	TECHNICIAN, ECE	02	PREVENTIVE MAINTENANCE	IC REPLACED	675	Satisfactory	Phy →	Dr
19	04-02-2020	Digital Trainer Kit	Lab Technician ECE	01	Preventive maintenance	LED bulb replaced	650	Satisfactory	A.chieera	Dr
20	27-02-2020	Digital Trainer Kit	Technician ECE	02	preventive maintena	female & male socket replaced	750	Satisfactory	A.chieera	Dr
21	28/02/2020	Decade Capacitors box	Technician ECE	01	preventive maintenance	selector knob replaced	300	Satisfactory	K. Anil	Dr
22	03/03/2020	Regulated power supply 30V/2A	Technician ECE	01	Preventive maintenance	2A female socket pin replaced	450	Satisfactory	K. Anil	Dr
23	10/3/2020	Signal Reconstruction Trainer Kit	Technician, ECE	01	Preventive maintenance	power supply module replaced	300	Satisfactory	Phy	Dr
24	25/3/2020	Line decoding Trainer Kit	Technician, ECE	01	Preventive maintenance	IC Replaced	375	Satisfactory	Phy	Dr
25	8/4/2020	Regulated Power supply	Technician, ECE	01	Preventive maintenance	Transformer changed	200	Satisfactory	Phy	Dr
26	5/5/2020	CRO	Technician, ECE	01	Preventive maintenance	knobs are changed	250	Satisfactory	Phy	Dr
27	20/5/2020	Function generator	Technician, ECE	01	Preventive maintenance	Display replaced	650	Satisfactory	Phy	Dr
28	12/6/2020	DSP STARTER KIT	Technician, ECE	01	Preventive	IC replaced	650	Satisfactory	A.chieera	Dr



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TIRUNELVELI - 627 132.



PSN COLLEGE OF  
DEPARTMENT OF

MAINTENANCE

ENGINEERING AND TECHNOLOGY  
ELECTRONICS AND COMMUNICATION

REGISTER

S.NO.	DATE	NAME OF THE EQUIPMENT	SERVICED BY	QUANTITY	NATURE OF MAINTENANCE DONE	DETAILS OF PARTS REPLACED/DETAILS OF SERVICE	VALUE (RS)	REMARKS	STAFF INCHARGE	MOD SIGN.
29.	12.08.20	Computer PSNCET/ECE/ DSPL/15	Technician, PSNCET	1	Preventive Maintenance	OS upgraded from windows XP to windows 7	-	computer working Satisfactorily	Raj	Dr
30.	24.09.20	Computer PSNCET/ECE/ DSPL/21	Technician, PSNCET	1	Preventive Maintenance	OS upgraded from windows XP to windows 7	-	computer working Satisfactorily	Raj	Dr
31.	06.10.2020	Computer PSNCET/ECE/ DSPL/22	Technician, PSNCET	1	Preventive Maintenance	SMPS trouble shooting	-	computer working Satisfactorily	Raj	Dr
32.	05.01.2022	Computer PSNCET/ECE/ DSPL/24	Technician, PSNCET	1	Preventive Maintenance	OS upgraded from windows XP to windows 7	-	Satisfactorily	U	Dr
33.	05.01.2022	Computer PSNCET/ECE/ DSPL/25	Technician, PSNCET	1	Preventive Maintenance	OS upgraded from windows XP to windows 7	-	Satisfactorily	U	Dr
34.	10.01.2022	Computer PSNCET/ECE/ DSPL/03	Technician, PSNCET	1	Preventive Maintenance	OS corrupted. New OS windows 7 installed.	-	Computer working Satisfactorily	U	Dr
35.	10.01.2022	Computer PSNCET/ECE/ DSPL/07	Technician, PSNCET	1	Preventive Maintenance	DDR 32GB RAM cleared and fixed	-	Satisfactorily	U	Dr
36.	10.01.2022	Computer PSNCET/ECE/ DSPL/08	Technician, PSNCET	1	Preventive Maintenance	OS corrupted. New OS windows 7 installed.	-	Satisfactorily	U	Dr
37.	10.01.22	Computer PSNCET/ECE/ DSPL/12	Technician, PSNCET	1	Preventive Maintenance	OS corrupted, New OS windows 7 installed	-	Computer working Satisfactorily	U	Dr
38.	10.01.22	Computer PSNCET/ECE/ DSPL/10	Technician, PSNCET	1	Preventive Maintenance	OS corrupted, New OS windows 7	-	Satisfactorily	U	Dr



S.No	Date	Name of the Equipment	Serviced by	Quantity	Nature of Maintenance done	Details of Parts replaced/ Details of Service	Value (Rs)	Remarks	Staff In charge Signature	HOD Signature
1	15/11/2018	AC-DC Fully controlled Converter	IBJ Scientific	1 Nos	Break down	Changed the Thyristors	600	Good	[Signature]	[Signature]
2	15/11/2018	AC-DC Half Controlled Converter	IBJ Scientific	1 Nos	Break down	Replaced the thyristors	600	Perfectly working	[Signature]	[Signature]
3	15/11/2018	U. P. 4	IBJ Scientific	3 Nos	Break down	Replaced the Diode	750	-	[Signature]	[Signature]
4	15/11/2018	30 MHz CRO	IBJ Scientific	2 Nos	Break down	Replaced the knob	2400	Working	[Signature]	[Signature]
5	15/11/2018	30 MHz DSO	IBJ Scientific	1 Nos	Break down	Replaced the display	1500	Good	[Signature]	[Signature]
6	15/11/2018	Characteristics of SCR Trainer kit	IBJ Scientific	2 Nos	Break down	Replaced the SCR	1000	Good	[Signature]	[Signature]
7	15/11/2018	Characteristics of TRIAC Trainer kit	IBJ Scientific	2 Nos	Break down	Replaced the TRIAC	1000	Good condition	[Signature]	[Signature]
8	15/11/2018	Iron loss measurement	IBJ Scientific	1 Nos	Break down	Replaced the Ammeter	1300	Good	[Signature]	[Signature]
9	15/11/2018	AC Synchronous Transmitter & Receiver	IBJ Scientific	1 Nos	Break down	Replaced the Indicator	600	Working	[Signature]	[Signature]
10	15/11/2018	LVDT Trainer kit	IBJ Scientific	1 Nos	Break down	Replaced the sensor	600		[Signature]	[Signature]
11	15/11/2018	3φ Auto Transformer	IBJ Scientific	3 Nos	Break down	Replaced the coil & Brush	2250		[Signature]	[Signature]
12	15/11/2018	1φ Auto Transformer	IBJ Scientific	6 Nos	Break down	Replaced the coil & Brush	3000		[Signature]	[Signature]
13	26/02/2019	Computer	Geniune IT Solutions	2 Nos	Preventive	Replaced the Hynix 2GB DDR3 Ram memory	2200	Good	[Signature]	[Signature]
14	26/02/2019	Computer	Geniune IT Solutions	2 Nos	Preventive	Replaced the Hard SATA disk	2000	Good	[Signature]	[Signature]

Principal  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOK, PALAYANKOTTAI, TAMIL NADU  
TRINELVELI DISTRICT - 627 152

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6.P.S.N. College of Engineering and Technology

Department of Electrical and Electronics Engineering 7

S.No.	Date	Name of the Equipment	Serviced by	Quantity	Nature of Maintenance done	details of Parts replaced/ details of Service	Value (Rs)	Remarks	Staff Incharge Signature	H.O.D. Signature
15	26/02/2019	Computer	Genuine IT Solutions	3 Nos	Preventive	Zebtronics 450W SMPS	1500	Good	[Signature]	[Signature]
16	26/02/2020	Computer	Genuine IT Solutions	30 Nos	Break down	Replaced the Micro Lithium Cell	1150	Good	[Signature]	[Signature]
17	02/01/2020	Dc compound generator	GIST Scientific Solutions	01 Nos	Break down	Replaced the stator winding	4200	working	[Signature]	[Signature]
18	02/01/2020	Dc series generator	GIST Scientific	01 Nos	Breakdown	Replaced the generator Belt	3800	Good	[Signature]	[Signature]
19	02/01/2020	1φ 2A Auto Transformer	GIST Scientific	2 Nos	Breakdown	Replaced the coil	5200	-	[Signature]	[Signature]
20	02/01/2020	1φ 4A Auto Transformer	GIST Scientific	1 Nos	Break down	Replaced the Winding and knob	3850	-	[Signature]	[Signature]
21	02/01/2020	3φ Leading Rheostat	GIST Scientific	2 Nos	Break down	Replaced the Inductance coils	700	-	[Signature]	[Signature]
22	02/01/2020	Pole Changing Machine	GIST Scientific	-	-	-	-	-	[Signature]	[Signature]
23	02/01/2020	Dc Series Motor	GIST Scientific	01 Nos	Break down	Replaced the break downs	4200	-	[Signature]	[Signature]
24	02/01/2020	Dc compound Motor	GIST Scientific	01 Nos	Breakdown	Replaced the starter	1600	working	[Signature]	[Signature]
25	14/09/2020	Printer	Royal Star Printer Technology	01 Nos	-	Refilled the Toner 12A	300	Good	[Signature]	[Signature]
26	21/09/2020	Regulated Power Supply	Sri Sai Electronics	04 Nos	Break down	Replaced the Diode	1200	Good	[Signature]	[Signature]
27	21/09/2020	Dual Regulated Power Supply	Sri Sai Electronics	01 Nos	Break down	Replaced the Transformer	500	Good	[Signature]	[Signature]
28	21/09/2020	Transient Characteristic of SCR & MOSEFT	Sri Sai Electronics	01 Nos	Break down	Replaced the Power Supply	600	Working	[Signature]	[Signature]





S.No	DATE	NAME OF THE EQUIPMENT	SERVICED BY	QUANTITY	NATURE OF MAINTENANCE DONE	DETAILS OF PARTS REPLACED / DETAILS OF SERVICE	VALUE (RS)	REMARKS	STAFF SIGNATURE	HOD SIGNATURE
30	22/2/2021	Schering Bridge	LabTech Electronics	01 Nos	Breakdown	Replaced the LED 5A Fuse	500.00	Good		
31	22/2/2021	Step up and step down Chopper	LabTech Electronics	01 Nos	Breakdown	Replaced the Pot 10k	600.00	Working		
32	22/2/2021	DC-DC Converter	LabTech Electronics	01 Nos	Breakdown	Replaced the Inductance	600.00	Good		
33	22/2/2021	Pressure Measurement kit	LabTech Electronics	01 Nos	Breakdown	Replaced the Pot 10k	500.00	Good		
34	22/2/2021	Patch Cords Resoldering	LabTech Electronics	50 Nos			500.00	Good		
35	24/2/2021	Printer	Royal Star Printer Technology	1 No.		Replaced the 12A Toner and Drum.	600.00	Good		
36	8/3/2021	DC Compound motor	GST Scientific Solutions	01 Nos	Breakdown	Replaced the starter	1600.00	Working		
37	8/3/2021	DC Series motor	GST Scientific Solutions	01 Nos	Preventive	Replaced the starter	4000.00	Working		
38	8/3/2021	1φ, 4A Auto Transformer	GST Scientific Solutions	01 Nos	Breakdown	Replaced Coil and Brush	3800.00	Good		
39	8/3/2021	3φ Auto Transformer	GST Scientific Solutions	02 Nos	Preventive	Replaced the Coil	7000.00	Good		
40	26/4/2021	Printer	Royal Star Printer Technology	01 Nos		Replaced the 12A Toner	300.00	Good		
41	18/10/2021	Computer	Signature IT	01 Nos	Prevention	47.4cm x 650W 6MPS	500.00	Good		



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RELATHEDIVOR PALAYAMKOT  
TIRUNELVELI DIST. - 627 022.



S.No	Date	Name of the Equipment	Serviced by	Quantity	Nature of Maintenance done	Details of Parts replaced / Details of Service	Value (Rs)	Remarks	Staff Incharge Signature	HOD Signature
42	13/9/2021	Computer	Genuine IT Solutions	01 Nos	Break down	Seagate 160GB SATA Hard disk	1200.00	Good	<i>[Signature]</i>	<i>[Signature]</i>
43	13/9/2021	Computer	Genuine IT Solutions	01 Nos	Break down	Hyoxic 2GB DDR2 Ram memory	1100.00	Good	<i>[Signature]</i>	<i>[Signature]</i>
44	21/09/2021	Battery	Quantum Power System	05 Nos	-	Refilled the distilled water	800.00	Good	<i>[Signature]</i>	<i>[Signature]</i>
45	22/09/2021	Printer	Royal star Printer	01 No	-	Refilled the 12A Toner	300.00	Good	<i>[Signature]</i>	<i>[Signature]</i>
46	23/09/2021	Cathode Ray Oscilloscope	A.K. Instruments Service	02 Nos	Preventive	Replaced the Varying voltage and Time P	2500.00	Working	<i>[Signature]</i>	<i>[Signature]</i>
47	23/09/2021	1Ø PWM Inverter	A.K. Instruments Service	01 No	Preventive	Replaced the IGBT	650.00	Working	<i>[Signature]</i>	<i>[Signature]</i>
48	23/09/2021	3Ø PWM Inverter	A.K. Instrument Service	01 No	Preventive	Replaced the IGBT & Inductance	1000.00	Good	<i>[Signature]</i>	<i>[Signature]</i>
49	23/09/2021	Dual Regulated Power Supply	A.K. Instrument Service	02 Nos	Break down	Replaced the Capacitance and Inductance	1200.00	Good	<i>[Signature]</i>	<i>[Signature]</i>
50	23/09/2021	Regulated Power Supply	A.K. Instrument Service	02 Nos	Break down	Replaced the Diode, Capacitance Transistor, Inductance	1000.00	Good	<i>[Signature]</i>	<i>[Signature]</i>
51	05/10/2022	Printer	Royal star Printer	01 Nos	-	Refilled the 12A Toner	300.00	Good	<i>[Signature]</i>	<i>[Signature]</i>
52	05/10/2022	Solar Panel	Quantum Power System	-	-	Solar Panel Cleaning	-	Efficiency Improved	<i>[Signature]</i>	<i>[Signature]</i>



Sl.No.	Date	Name of the equipment	Serviced by	Quantity	Nature of Maintenance done	Details of Parts replaced / Details of Service	Value (Rs)	Remarks	Staff incharge Signature	HoD Signature
1)	26/09/2015	Level Measurement trainer	M. Supreme Scientific Corporation	1 No.	Breakdown	1) Level Transmitter 2) Display Indicator	Rs.5000/-	Working	N. Srinivasan	Vignesh
2)	02/09/2018	Motor Service	M. Taj Electronics	1 No.	Breakdown	Replacement of Windings, fan and Bearings	Rs.1000/-	Working	S. Srinivasan	Vignesh
3)	12/07/2018	LVDT Trainer kit	M. SBI Scientific	1 No.	Breakdown	Replace IC and Soldering	Rs.600/-	Working	N. Srinivasan	Vignesh
4)	12/07/2018	Strain Gauge trainer kit	M. SBI Scientific	1 No.	Breakdown	Replace IC and Soldering	Rs.500/-	Working	N. Srinivasan	Vignesh



PRINCIPAL  
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 MELATHEDIYODU, ELAYANKOTTAI TALUK  
 TIRUNELVELI DIST - 627 152.

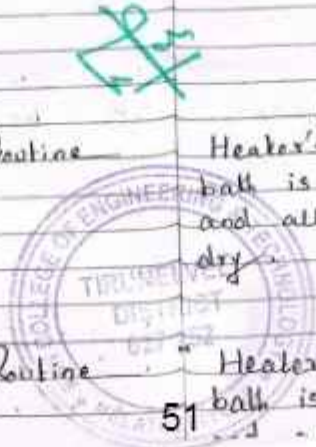
S.No	Date	Name of the equipment	Serviced by	Quantity	Nature of Maintenance done	Details of Parts replaced / Details of Service	Value (Rs.)	Remarks	Staff Incharge Signature	HoD Signature
5)	12/07/2018	Load Cell Trainer kit	Ms. JBS Scientific	1 No.	Breakdown	Replace IC and Soldering	Rs. 100/-	Working	N. Sivasankar	Keyur
6)	12/07/2018	Transducer Measurement kit Services	Ms. JBS Scientific	6 Nos.	Breakdown	(i) Computer Socket - 1 No. (ii) Transistor Pops - 1 No. (iii) TL084 - 2 Nos (iv) IC 741 - 2 Nos	Rs. 80/- Rs. 90/- Rs. 76/- Rs. 26/-	Working	N. Sivasankar	Keyur
7)	11/02/2019	Level Measurement trainer	Lab Assistant	-	Routine	Drain the water, clean the tanks and allow it to dry	-	Working	N. Sivasankar	Keyur
8)	27/02/2019	Flow measurement using orifice plate	Lab Assistant	-	Routine	Drain the water, clean the tanks and allow it	-	Working	N. Sivasankar	Keyur



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MELATHEDIYOOR, PALAKKAD, KERALA



S.No.	Date	Name of the equipment	Serviced by	Quantity	Nature of Maintenance done	Details of Parts replaced / Details of Service	Value (Rs)	Remarks	Staff Incharge Signature	HoD Signature
9)	06/02/2019	Load Cell Measurement trainer kit	Lab In-charge	1 No.	Breakdown	I.C 741-1 No	Rs. 12/-	Working	N. Sivasankar	Keeyan
10)	12/04/2019	PH Meter and Conductivity Meter	Lab In-charge	-	Preventive	Cells are cleaned and kept in the liquid (Curet)	-	Working	N. Sivasankar	Keeyan
11)	09/05/2019	Potentiometric transducer trainer kit	Lab In-charge	1 No.	Breakdown	I.C 741-1 No	Rs. 12/-	Working	N. Sivasankar	Keeyan
12)	15/06/2019	Temperature Measurement trainer kit using RTD	Lab Assistant	-	Routine	Heater's water bath is cleaned and allowed to dry.	-	Working	N. Sivasankar	Keeyan
13)	15/06/2019	Temperature Measurement trainer kit	Lab Assistant	-	Routine	Heater's water bath is cleaned and allowed to dry.	-	Working	N. Sivasankar	Keeyan



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TIRUNELVELI DISTRICT, TAMIL NADU

Sl.No.	Date	Name of the equipment	Serviced by	Quantity	Nature of Maintenance done	Details of Parts replaced / Details of Service	Value (Rs)	Remarks	Staff Incharge Signature	HoD Signature
14)	22/06/2019	Temperature Measurement trainer kit using Thermistor	Lab Assistant	-	Routine	Heater's water bath is cleaned and allowed to dry	-	Working	N. Srinivas	Key - line
15)	25/07/2019	UV/Visible Spectrophotometer	Lab Assistant	-	Routine	Clean the Cuvettes and beakers with distilled water and allowed to dry	-	Working	N. Srinivas	Key - line
16)	22/09/2019	Non-Interacting System	Lab Assistant	-	Routine	Clean the tanks and allow it to dry	-	Working	N. Srinivas	Key - line
17)	11/10/2019	Temperature Sensor Panel MIT-6 (Cold Junction Compensation)	Lab In-charge	1 No.	Breakdown	I.C - 741 - 1 No.	RS.12/-	Working	N. Srinivas	Key - line



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TIRUNELVELI DISTRICT

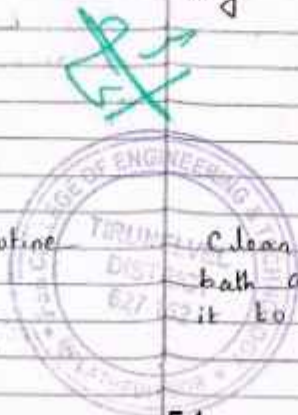


Sl.No.	Date	Name of the equipment	Serviced by	Quantity	Nature of Maintenance done	Details of Parts replaced / Details of Service	Value(Rs)	Remarks	Staff Incharge Signature	HoD Signature
18)	08/12/2019	Interlocking System	Lab Assistant	-	Routine	clean the tank and allow it to dry.	-	Working	Shamuj	Shamuj
19)	10/02/2020	Temperature Sensor Panel (MST-6) (Cold Junction Compensation)	Lab Assistant	-	Routine	Heater's water bath is cleaned and allowed to dry.	-	Working	N. Sivasankar	Shamuj
20)	28/02/2020	Flow Process Station and level Process Station	Lab Assistant	-	Routine	Clean the tank and allow it to dry.	-	Working	Shamuj	Shamuj
21)	02/02/2020	Non-Interacting System	Lab Incharge	-	Breakdown	Arresting the leak in the tank	-	Working	Shamuj	Shamuj



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TIRUMVEL DISTRICT  
MELATTUR TALUK  
PRINCIPAL  
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OFFICE

Sl.No.	Date	Name of the equipment	Serviced by	Quantity	Nature of Maintenance done	Details of Parts replaced / Details of Service	Value (Rs)	Remarks	Staff Incharge Signature	HoD Signature
22)	11/10/2020	Cascade Process for level and flow Process Station	Lab Assistant	-	Routine	Clean the tank and allow to dry	-	Working	<i>[Signature]</i>	<i>[Signature]</i>
23)	25/11/2020	Pneumatically Actuated Control Valve	Lab Assistant	-	Routine	Clean the tank and allow it to dry	-	Working	<i>[Signature]</i>	<i>[Signature]</i>
24)	30/01/2021	Cascade and feedforward Control Process Station	Lab Assistant	-	Routine	Clean the tank and allow it to dry	-	Working	<i>[Signature]</i>	<i>[Signature]</i>
25)	18/02/2021	Temperature Process Station	Lab Assistant	-	Routine	Clean the heater bath and allow it to dry	-	Working	<i>[Signature]</i>	<i>[Signature]</i>



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 TIRUNELVELI DIST - 627 002



Sl.No	Date	Name of the equipment	Serviced by	Quantity	Nature of Maintenance done	Details of Parts replaced/ Details of Service	Value(Rs)	Remarks	Staff Incharge Signature	HoD Signature
26)	02/02/2021	Interacting System	Lab Incharge	-	Breakdown	Arresting the leak in the tank	-	Working	<i>[Signature]</i>	<i>[Signature]</i>



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 MELKATHEDIYUR, PALAYAMKOTTAI TALUK  
 TIRUMELVELI DIST. - 627 152

SHIP - IN - CAMPUS (T.S. BAGAVATHY).

S.NO	Date	Name of the Equipment	Serviced by (Company Name)	Quantity	Nature of Maintenance done	Details of Parts Replaced	Value (RS.)	Remarks	Staff Incharge Sign.	HOD Sign
1.	03-01-19	Auxiliary Engine	Bala Ship Service	2	Routine	(20) Fuel oil Filter	500			
2	08-01-19	Main Engine	slip with studs	1	Preventive	Lube oil	250			
3	11-02-19	Boiler Feed pump	"	1	Routine	Overhaul	-			
4	27-02-19	Air compressor	"	1	Breakdown	Lube oil change	250			
5	06-03-19	Emergency fire Pumps	"	1	Preventive	Air Filter & hand starting rope	530			
6	12-04-19	gate valve	"		Routine	Overhaul				
7.	09-05-19	Generator - 2	"	2L	Routine	Radiator cleaning & Filled coolant Water	-			
8.	15-06-19	Seawater pump	M.Prabhalaram		Preventive	gasket fitting	-			
9.	22-06-19	compressor	Bala Ship service		Routine	Air bottle cleaning NO:1	-			
10	04-07-19	Compressor	"		Routine	Air bottle NO:2 cleaning.				
11	28-07-19	Boiler	"		Preventive	Main steam line replaced				
12	06-09-19	steering gear	M.Prabhalaram	10L	Routine	oil charged	850			



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M. SIVANARAYANARAO TALUK  
TRINELVELI DIST. - 627 452.



S.NO	Date	Name of the Equipment	Serviced by (Company Name)	Quantity	Nature of Maintenance done	Details of Parts Replaced	Value (RS)	Remarks	Staff In-charge sign	HO Sign.
15	23-11-19	H.F.O Tank	Bala Ship Service		Routine	Tank cleaning & Painted	-		[Signature]	[Signature]
16	01-12-19	ECR	"	1	Breakdown	Main breaker changed.	-		[Signature]	[Signature]
17	08-01-20	Boiler D.O Manifold	"		Routine	cleaning	-		[Signature]	[Signature]
18	24-01-20	Boiler feedwater	Bala Ship Service		Preventive	line broken.	-		[Signature]	[Signature]
19	10-02-20	Main Engine (of 2 crank shaft)	"	5L	Preventive	oil changed	2550		[Signature]	[Signature]
20	19-02-20	M/E Inlet YL	"		Preventive	cleaning.	-		[Signature]	[Signature]
21	28-02-20	Turning gear	"		Routine	Teeth checked.	-		[Signature]	[Signature]
22	03-03-20	Propeller shaft	"	2 pint	Routine	cleaning & paint	-		[Signature]	[Signature]
23	10-03-20	Freshwater Pump	"		Routine	Gasket changed	100		[Signature]	[Signature]
24	16-03-20	M/E F.O Pump	"	4	Routine	Filter replace	300		[Signature]	[Signature]
25	11-10-20	Air Compressor	P. Manisellan	1	Breakdown	run loader v/v changed.	200		[Signature]	[Signature]



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TIRUNELVELI DISTRICT - 627 002  
TAMIL NADU



S.No	Date	Name of the Equipment	Serviced by (Company Name)	Quantity	Nature of Maintenance done	Details of Parts Replaced	Value (Rs)	Remarks	Staff In-charge sign	HOD sign
27	02-11-20	L.O pump	Bala ship Service	1	Routine	pp relief vlv changed	1.50		[Signature]	u. balraj
28	11-11-20	Plate-type cooler	P. Marisellam	2	Breakdown	Two plates changed & gasket	-		[Signature]	Ar
29	25-11-20	Sea chest	Bala ship Service	1	Routine	Pipeline & chest cleaned	-		[Signature]	Ar
30	03-12-20	Emergency Fire pump	"	1	Preventive	Motor overhaul	-		[Signature]	Ar
31	04-01-21	Generator I	P. Marisellam	1	Preventive	D.O level gauge Replaced	500		[Signature]	u. balraj
32	19-01-21	Air compressor	Jothi Marine	1	Preventive	Drain vlv Replaced	-		[Signature]	Ar
33	30-01-21	F.W generator	Jothi Marine	1	Routine	Feed water line welded	-		[Signature]	u. balraj
34	02-02-21	Boiler	Jothi Marine	1	Breakdown	Main steam stop vlv changed	-		[Signature]	Ar
35	18-02-21	D.O service tank	Jothi Marine	1	Routine	Tank drain vlv & system vlv changed	-		[Signature]	Ar
36	19-02-21	Lathe	Jothi Marine	1	Routine	Tool part changed	-		[Signature]	Ar
37	28-02-21	Welding machine	Jothi Marine	1	Preventive	welding transfer Replaced	-		[Signature]	u. balraj



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 MELATHEDIYYOOR, PALAYAMKOTT  
 TAMIL NADU - 627 152



3.NO	Date	Name of the Equipment	Serviced by (Company Name)	Quantity	Nature of Maintenance done	Details of Parts Replaced	Value (RS.)	Remarks	Staff In-Charge Sign	HOD Sign.
39	25-08-21	ECR	GI Peterpackaing	09	Routine	Tube light Replaced.	100		[Signature]	[Signature]
40	04-09-21	M/E	Jothi marine		Preventive	D.O leake arrested.	-		[Signature]	[Signature]
41	09-09-21	EO (purifiers)	Jothi Marine		Breakdown	Heater coil changed.	200		[Signature]	[Signature]
42	16-09-21	Sprrindler (fire)	Jothi Marine	4	Breakdown	Sprrindler head (bulb)	-		[Signature]	[Signature]
43	25-09-21	Sludge pump	Jothi Marine		Routine	Suction line Filter changed	1000		[Signature]	[Signature]
44	01-10-21	Main ballast	Jothi Marine.	1	Routine	Gate valve	850		[Signature]	[Signature]
45	09-10-21	Bilge pump	Jothi marine	1	Preventive	Relief valve Replaced	250		[Signature]	[Signature]
46	13-10-21	Jacket cooling water pump	Jothi marine	500gms	Preventive	greasing	100		[Signature]	[Signature]
47	22-10-21	Piston cooling Water tank	Jothi marine		Routine	Tank cleaned	-		[Signature]	[Signature]
48	30-10-21	Incinerator	Jothi Marine		Routine	Burner change	-		[Signature]	[Signature]
49	13-11-21	Oilly water Seperator.	Jothi Marine		Routine	Chamber noble	-		[Signature]	[Signature]



PRINCIPAL  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATTUR PALAYAMKOTTAI  
MELATTUR PALAYAMKOTTAI DISTRICT - 627 162.

**DEPARTMENT OF MECH AND AUTO LAB EQUIPMENT REGISTER**

Sl.No	DATE	NAME OF THE EQUIPMENT	SERVICED BY [COMPANY NAME]	QUANTITY	NAME OF MAINTENANCE DONE	DETAILS OF PARTS REPLACED	VALUE	REMARKS	STAFF IN-CHARGE	HOD
1	4/01/19	Rockwell Hardness Testing m/c	Technician	01	Routine	cleaning	-	-	<i>[Signature]</i>	Tiku
2	4/01/19	Surface Grinding m/c	Technician	01	Preventive	Grinding wheel replaced	1340	-	<i>[Signature]</i>	Tiku
3	23/01/19	Universal Testing m/c	Technician	01	Preventive	cleaning and oiling	-	-	<i>[Signature]</i>	Tiku
4	6/02/19	Briell Hardness Testing m/c	Technician	01	Routine	cleaning	-	-	<i>[Signature]</i>	Tiku
5	20/02/19	Lathe	Technician	01	Routine	Nut bolt	650	-	<i>[Signature]</i>	Tiku
6	12/03/19	Impact Testing m/c	Technician	01	Preventive	replaced cleaning	-	-	<i>[Signature]</i>	Tiku
7	3/04/19	Lathe	Technician	01	Routine	Greasing & oiling	-	Nut bolt should be replaced.	<i>[Signature]</i>	Tiku
8	28/04/19	Slotting m/c	Technician	01	Routine	Cutting Tool replaced	549	v belt should be replaced.	<i>[Signature]</i>	Tiku
9	13/06/19	Spring Testing m/c	Technician	01	Preventive	cleaning	-	-	<i>[Signature]</i>	Tiku
10	10/7/19	Universal milling m/c	Technician	01	Preventive	Gear oil changed	180	-	<i>[Signature]</i>	Tiku
11	18/7/19	Torsion Testing m/c	Technician	01	Routine	cleaning	-	-	<i>[Signature]</i>	Tiku
12	25/7/19	Cylindrical Grinding m/c	Technician	01	Routine	<del>cleaning &amp; oiling</del>	-	-	<i>[Signature]</i>	Tiku



PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
 MELATHEDIYODUR ROAD, KODIYAKKOTTA, TALUK  
 TIRUNELVELI, DIST. 627 152



Date	Name of the equipment	Serviced by (Company Name)	Quantity	Name of Maintenance done	Details of parts Replaced	Value	Remarks	Staff in-charge	Head
20/8/19	Lathe	Technician	01	Routine	Nut Bolt replaced	700	-	A	Rest
11/9/19	UTM	Technician	01	Preventive	Pump belt replaced	300	-	A	Rest
25/9/19	Shaping m/c	Technician	01	Preventive	cleaning & oiling	-	-	A	Rest
17/10/19	Vicker's hardness Testing m/c	Technician	01	Routine	cleaning	-	-	A	Rest
7/11/19	Surface grinding m/c	Technician	01	Routine	Grinding wheel Dressing	540	-	A	Rest
20/11/19	Lathe	Technician	01	Routine	oiling and Greasing	-	-	A	Rest
23/12/19	Torsion Testing m/c	Technician	01	Preventive	Counter weight Tape replaced	17-50	-	A	Rest
17/01/20	Slotting m/c	Technician	01	Preventive	'V' belt replaced	225	-	A	Rest
24/01/20	Rockwell Hardness Testing m/c	Technician	01	Routine	cleaning	-	-	A	Rest
7/02/20	Universal milling m/c	Technician	01	Routine	Form wheel Sharpening	575	-	A	Rest
14/09/21	Universal Testing m/c	Technician	01	Routine	cleaning	-	-	A	Rest
28/09/21	Spring Testing m/c	Technician	01	Preventive	oil & Greasing	-	-	A	Rest



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S.No	Date	Name of the equipment	Serviced by (Company Name)	Quantity	Name of maintenance base	Details of parts replaced	Value	Remarks	Staff in-charge	Ho
25	4/10/21	Brinell Hardness Testing m/c	Technician	01	Preventive	Ball indenter changed	900	-	A	/s
26	18/10/21	Impact testing m/c	Technician	01	Routine	cleaning	-	-	A	/s
27	26/10/21	Lathe	Technician	01	Routine	oiling & greasing	-	-	A	/s
28	3/11/21	UTM	Technician	01	Routine	Hydraulic oil changed	350	-	A	/s
29	25/11/21	Shore D Hardness Testing m/c	Technician	01	Preventive	cleaning	-	-	A	/s
30	5/1/22	Torsion Testing m/c	Technician	01	Routine	cleaning	-	-	A	/s
31	17/1/22	Spring Testing m/c	Technician	01	Routine	cleaning & greasing	-	-	A	/s



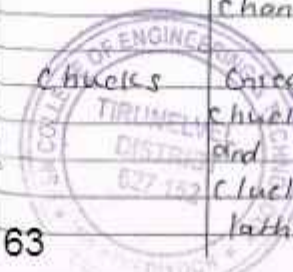
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Department of Mechanical Engineering

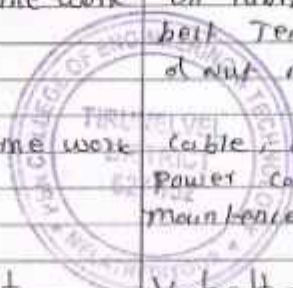
Lab Equipment Maintenance Register

S.No	DATE	NAME OF THE EQUIPMENT	SERVICED BY [Company Name]	QUANTITY	NATURE OF MAINTENANCE DONE	DETAILS OF PARTS REPLACED/ SERVICE	VALUE (RS)	REMARKS	STAFF IN-CHARGE SIGN	HOD SIGN
1	08-02-2019	Lathe	Our Technician	1	lathe Belt	Belt changed	200	-	K. Suresh	N.L. Muthu
2	10-02-2019	All centre lathe and drilling machine and power hacksaw machine	Our Technician	-	Routine work	Belt Tension checking and Lubricating the moving parts	-	-	K. Suresh	N.L. Muthu
3	21-02-2019	Springs mass system	Our Technician	1	Spring	To change Tension spring Coil - 50mm, Nash coil - 80, oil dia - 2.5mm	635/-	changed	P. Suresh	N.L. Muthu
4	26-02-2019	Connecting rod	Our Technician	1	Connecting rod	Connecting rod bearing gap maintained	-	-	P. Suresh	N.L. Muthu
5	19-03-2019	CNC	Our Technician	1	Switch	Emergency stop switch repaired	239	-	K. Suresh	N.L. Muthu
6	28-03-2019	CNC	Our Technician	5 lit	Coolant	Coolant oil replaced (5 lit)	810	3rd & 2101	K. Suresh	N.L. Muthu
7	28-03-2019	Compressor	Our Technician	1 lit	oil	Compressor oil changed (1 lit)	325	-	K. Suresh	N.L. Muthu
8	18-04-2019	Lathe	Our Technician	-	Tailstock	Grease pack changed	-	-	K. Suresh	N.L. Muthu
9	19-04-2019	lathe	Our Technician	-	Chucks	Grease the chuck jaw changed and clean the chucks for all lathe.	-	-	K. Suresh	N.L. Muthu
10	20-04-2019	All centre lathe, All drilling machine and	Our Technician	-						



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S.NO	DATE	NAME OF THE EQUIPMENT	SERVICE BY [company name]	QUANTITY	NATURE OF MAINTENANCE DONE	DETAILS OF PARTS REPLACED SERVICE	VALUE (RS)	REMARKS	STAFF IN-CHARGE SIGN	HOD SIGN
11	9-05-2019	Vibration Table	Our Technician	1	Cable	Motor to spindle vibration indicator cable changed.	120	Charge	<i>[Signature]</i>	<i>[Signature]</i>
				1	shaft	To change shaft 50mm, length 150mm	170	Replace	<i>[Signature]</i>	<i>[Signature]</i>
12	7-6-2019	Hacksaw machine	Our Technician	1	Blade	Replace the new Blade.	12	Replace	<i>[Signature]</i>	<i>[Signature]</i>
				—	oil	Vice spindle oil change	—	charge	<i>[Signature]</i>	<i>[Signature]</i>
13	27-6-2019	Governor	our technician	—	Fuse & oil	To maintain oil level & Fuse checked	—	Good condition	<i>[Signature]</i>	<i>[Signature]</i>
14	8-8-2019	Speed CB Indicator M/C	Our Technician CB Staff	—	Fuse	Fuse Check For all indicators	—	Good condition	<i>[Signature]</i>	<i>[Signature]</i>
15	10-10-2019	CNC	Staff and Technical	—	Coolant	coolant air gun maintenance	—	—	<i>[Signature]</i>	<i>[Signature]</i>
16	18-10-2019	All lathe machine	our Technician	—	Routine work	oil lubrication, belt Tension, bolt of nut maintenance	—	<del>Good</del>	<i>[Signature]</i>	<i>[Signature]</i>
17	22-10-2019	Dynamic lab	our Technician and staff	—	routine work	Cable - oil lubrication Power connecting maintenance	—	Good	<i>[Signature]</i>	<i>[Signature]</i>
18	5-12-2019	Drilling Machine	Our Technician	1	Bolt	V-bolt - A32	240	—	<i>[Signature]</i>	<i>[Signature]</i>



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S.NO	DATE	NAME OF THE EQUIPMENT	SERVICE BY [Company Name]	QUANTITY	NATURE OF MAINTENANCE DONE	DETAILS OF PARTS REPLACED / SERVICE	VALUE (RS)	REMARKS	STAFF IN-CHARGE	HOD SIGN
19	5-3-2020	LATHE	OUR TECHNICIAN	-	ALIGNMENT	TIMING GEAR ALIGNMENT	-	Aligned	K. Suresh	[Signature]
20	23-4-2020	CMM	OUR TECHNICIAN	-	ALIGNMENT	HAND LEVER WITH ALIGNMENT	-	Aligned	[Signature]	[Signature]
21	15-5-2020	Rotating Balance	our-technician	1	Belt Replace	V-Belt Replaced 6x500	8130/-	Replaced	[Signature]	[Signature]
22	16-6-2020	Grinding wheel	Own Technician	2	switch	ON/OFF switch replace	200/-	Replaced	K. Suresh	[Signature]
23	5-8-2020	CNC	Own Technician	-	valve	Hydraulic check valve	-	Good	[Signature]	[Signature]
24	6-8-2020	whirling shut	our technician	-	chuck	grease	-	good	[Signature]	[Signature]
25	10-9-2020	all lathe machine, drilling machine	our technician	-	routing work	oil lubricating, belt tension, belt of cut maintenance	-	good services	K. Suresh	[Signature]
26	8-10-2020	Mechanical metrology	own Technician	-	routing work	cleaning Instru	-	-	N. Suresh	[Signature]
27	19-10-2020	CPU (computer lab)	System admin	1	Hardware issue	replaced the new one - Ram	575	-	[Signature]	[Signature]
28	19-10-2020	CPU (computer lab)	System Admin	4	Software issues	new os installed	-	-	[Signature]	[Signature]
29	11-11-2020	Compressor	Technician	-	Oil	Compressor Oil changed.	325	changed	[Signature]	[Signature]
30	17-11-2020	Connecting Rod	Technician	2	Cleaning	Bearing Cap removed & dobed	-	-	[Signature]	[Signature]
31	18-12-2020	Dynamics lab - II	Technician	-						



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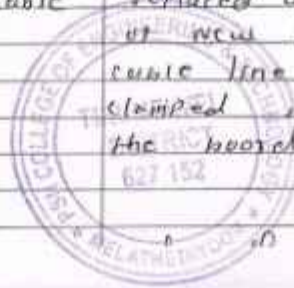
S.NO	DATE	NAME OF THE EQUIPMENT	SERVICE BY (COMPANY NAME)	QUANTITY	NATURE OF MAINTENANCE DONE	DETAILS OF PARTS REPLACED / SERVICE	VALUE (RS)	REMARKS	STAFF IN-CHARGE	HOD SIGN
32	19-1-2021	CPU (Computer lab)	Online IT Shoppers-Tripura	1	SMPS not working	One SMPS replaced	5000	-	<del>SUNIL</del>	<del>M/S</del>
33	14-1-2021	CPU (computer lab)	Online IT Shoppe-Tripura	1	Ram not checked	RAM clean and fit	-	-	<del>SUNIL</del>	<del>M/S</del>
34	12-2-2021	CPU (computer lab)	System Admin	2	Software	New OS installed	-	-	<del>SUNIL</del>	<del>M/S</del>
35	6-5-2021	Pneumatic Trainer	Standard Calibration Laboratory	5 2	Pneumatic Tube Pressure Gauge	3mm Connector Pressure Gauge 6mm Connector	RS.7000	Service	R. Nalin John	<del>M/S</del>
37	6-5-2021	Hydraulic	Standard Calibration Laboratory	-	Hydraulic Pump	Hydraulic oil Hydraulic Gasket Hydraulic Motor	RS.15,000	Service	R. Nalin John	<del>M/S</del>
38	7-5-2021	Compressor	Standard Calibration Laboratory	-	Compressor	Air Valve changed Air Cup & filter changed	RS.8000	Service	N. LEE	<del>M/S</del>
39	7-5-2021	PID Controller with Temperature Control system	Standard Calibration Laboratory	-	Sensor	Temperature Controller Sensor, Heating coil Maintain & Replace	RS.6000	Service	N. LEE	<del>M/S</del>
40	7-5-2021	PLC Trainer kit	Standard Calibration Laboratory	-	Cable	Input line, output line power supply	RS.7,000	Replaced	N. LEE	<del>M/S</del>
41	11-6-2021	All centre lathe, all drill machine and Power hacksaw machine	Our Technician	-	routine work	Belt Tension, Check and lubricating the moving parts	-	-	<del>K. SUDHAKAR</del>	<del>M/S</del>
42	14-7-2021	CNC	Our Technician	-	routine work	oil level. Door open / closed to be checking, and cable check	-	-	<del>K. SUDHAKAR</del>	<del>M/S</del>



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S.NO	DATE	NAME OF THE EQUIPMENT	SERVICE BY (company name)	QUANTITY	NATURE OF MAINTENANCE DONE	DETAILS OF PARTS REPLACED / SERVICE	VALUE (RS)	REMARKS	STAFF IN-CHARGE	HOD SIGN
44	2-9-2021	metrology Lab & mechatronics lab	J.S.R. Electrical and plumbing	1	run cable	replaced to PVC (2+1/2) steel pipe	135	} replaced & serviced	R. Nabin Joshua	3/24
				2	ball valve	ball valve replaced	150			
				6	Tap PVC	Tap PVC	300			
				10	LED	LED (20w) light replaced	6000			
				1		shower big	550			
45	2-9-2021	Metrology Lab & Mechatronics lab	J.S.R. Electrical and plumbing	1- GI pipe, counter	GI couler, 1/2 MTR	} replaced	571	} replaced	R. Nabin Joshua	3/24
			5- MTR connection	1/2 bend PVC, 1/2 coupler						
			2- Benders	100 ml Tin, Thread						
			5- counter	T. Blade and holdlog						
			2- Tin	serviced and replaced						
			3- Thread							
			2- T-block							
			1- bulldog							
46	3-9-2021	mechatronics lab	Johnson pipes	25 - Envy	service and replaced	replaced to all materials unsafe cable and installed new pipe line	5299	-	R. Nabin Joshua	3/24
47	4-9-2021	mechatronics Lab	J.S.R. Electricals and plumbing.	103 (MTR, GI, coupler, 105 ball valve etc...)	switch and new cable line	replaced and service of new power cable line and clipped switch on the board			R. Nabin Joshua	3/24



48 TO PRINC R. Nabin Joshua  
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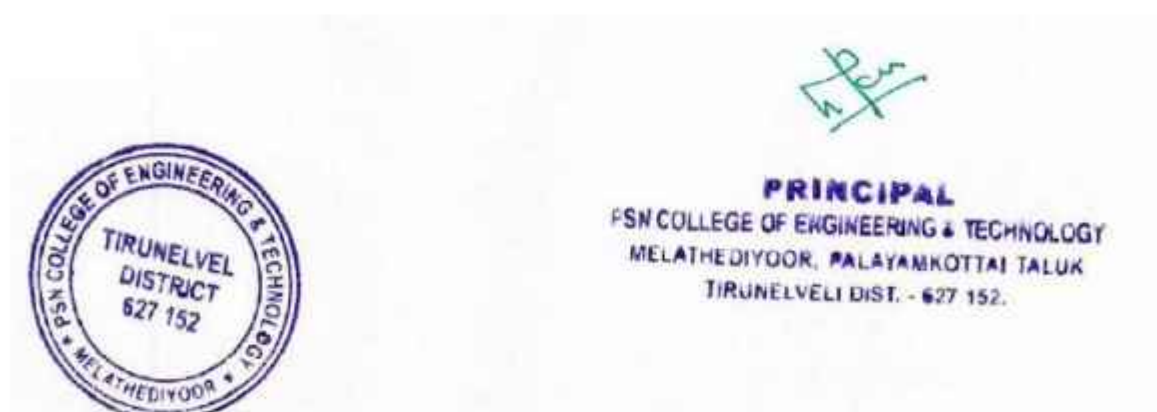
Sl No	DATE	NAME OF THE EQUIPMENT	SERVICED BY (COMPANY NAME)	Quantity	NATURE OF MAINTENANCE DONE	DETAILS OF PARTS REPLACED	VALUE (Rs)	REMARKS	STAFF SIGN	MOD SIGN
1.	4-5-2019	Ultrasonic Indentometer	mital enterprises	2	microammeter is not working		800		f	At
2.	8-8-2019	Ammeter, voltmeter, Galvanometer	Vasuhini enterprises	5	needle is not moving		1500		f	At
3.	07-07-2019	Resistance boxes	Vasuhini Enterprises	4	variable knob		500		f	At
4.	10/10/2019	Spectrometers	Saran Scientific Corporation	4	Eye pieces, and objective pieces		1200		f	At
5.	28/10/2019	Regulated power supply	Saran Scientific Corporation	3	Cable connection changed		400		f	At
6.	29/10/2019	Transformer	Vasuhini Enterprises	2	Transformer core coil changed		2000		f	At
7.	4/11/2019	Weighing balance	Stien glassware equipment	2	Oscillation is noticed		700		hij	At
8.	3/12/2019	Digital potentiometer	Madras Scientific Supplies	5	Short circuit in the value device		1600		hij	A
9.	23/12/2019	Hot Air oven	Linsa Instruments	2	Temperature is not stabilized in keeping things		800		hij	At
10.	24/12/2019	Digital conductometer	Linsa Instruments	6	value showing is not working properly		1200		hij	At
11.	16.1.2020	Jawan source	vasuhini enterprises	3	Jawan source changed		1500		f	At
12.	17.3.2020	microscopes	Saran Scientific Corporation	4	Scenes, eye pieces and objective pieces were checked		1200		f	At
13.	11.9.2020	Galvanometer	Vasuhini Enterprises	2	needle not functioning		600		f	A
14.	17.9.2020	Digital pH meter	Stien Glassware & equipment	2	pH value is oscillating continuously and that is verified		800		hij	At
15.	7.10.2020	Digital pH meter	Madras Scientific Supplies	2	base and acid value is not changing via checked		750		hij	At
16.	4.11.2020	Digital potentiometer	Linsa Instruments	4	oscillation in the value was checked & rectified		1000		hij	At
17.	29/11/2020	Pottery	Vasuhini Enterprises	4	cables changed		500		hij	At
18.	2/12/2020	Resistance boxes	Vasuhini Enterprises	6	knobs changed		1000		f	At







# CALIBRATION OF EQUIPMENT- CERTIFICATES



# GENERAL SCIENTIFIC RESEARCH LABORATORY

सामान्य वैज्ञानिक अनुसंधान प्रयोगशाला



101, First Floor, Ebenezer Castle,  
3rd Street, Kamaraj Nagar,  
Tuticorin - 628008. Tamil Nadu. India.

E-Mail : sales@gsrlab.in /  
gsrlab01@gmail.com  
Website : http://www.gsrlab.in

## CALIBRATION CERTIFICATE

CERTIFICATE NO: GSR/CC/T202210-01		Page No:1 of 1			
<b>Customer Name &amp; Address :</b>					
M/s PSN COLLEGE OF ENGINEERING AND TECHNOLOGY., Melathediyoor, Tirunelveli - 627152.		Receipt Date : 20-Jan-22 Calibration Date : 20-Jan-22 Calibration Due : 19-Jan-23 Issue Date : 21-Jan-22			
<b>Details of Device Under Calibration (DUC)</b>					
Description : DC VOLTMETER		Identification No : PSNCET/EEE/VM/01			
Make : OXFORD		Range : 0 to 30 VDC			
Model : MR-100		Least Count : 0.5 VDC			
SI.No : ---		Location : EEE Department.			
		DUC Condition : SATISFACTORY			
<b>Environmental Conditions</b>					
Environmental Details		Temperature: 27.8° C	Relative Humidity : 61% Rh		
<b>Standard Operating Procedure Details</b>					
Calibration Procedure No : SOP-T-01		Calibration done at : SITE			
<b>Reference Standards Details</b>					
S.No	Description	Make/ SI No:	Certificate No	Validity	
1	6 1/2 DIGITAL MULTIMETER	TW00026191	MKS/ET/21-22/205-01	29-Jul-22	
1	MULTIPROCESS CALIBRATOR	HT160100059	MKS/ET/21-22/205-02	29-Jul-22	
<b>Calibration Result</b>					
S.No.	STANDARD INSTRUMENTS READINGS	DEVICE UNDER CALIBRATION READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)	STATUS
	VDC	VDC	VDC	VDC	
1	0.00	0.0	0.00	0.64	PASS
2	5.07	5.0	0.07	0.64	PASS
3	10.11	10.0	0.11	0.64	PASS
4	15.23	15.0	0.23	0.64	PASS
5	20.37	20.0	0.37	0.64	PASS
6	30.41	30.0	0.41	0.64	PASS
<b>TRACEABILITY OF STANDARDS</b>					
The standard used for calibration are traceable to national standard					

G.MUTHURAJ  
(Calibration Engineer)

*G. Muthuraj*  
CALIBRATED BY



C. RAHUL SELVAN  
(Tech.manager)

PRINCIPAL

PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI  
TIRUNELVELI DIST. - 627 152.

*C. Rahul Selvan*  
AUTHORIZED SIGNATORY



# GENERAL SCIENTIFIC RESEARCH LABORATORY

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gsrlab01@gmail.com  
Website : http://www.gsrlab.in

## CALIBRATION CERTIFICATE

CERTIFICATE NO: GSR/CC/T202210-02		Page No:1 of 1			
<b>Customer Name &amp; Address :</b> M/s PSN COLLEGE OF ENGINEERING AND TECHNOLOGY., Melathediyoor, Tirunelveli - 627152.		Receipt Date : 20-Jan-22 Calibration Date : 20-Jan-22 Calibration Due : 19-Jan-23 Issue Date : 21-Jan-22 DUC Condition : SATISFACTORY			
<b>Details of Device Under Calibration (DUC)</b>					
Description : DC AMMETER		Identification No : PSNCET/EEE/AM/01			
Make : OXFORD		Output Range : 0 to 100 mA			
Model : MR-100		Least Count : 2 mA			
SI.No : ---		Location : ELECTRICAL LABORATORY			
<b>Environmental Conditions</b>					
Environmental Details		Temperature: 25.8° C	Relative Humidity 61% Rh		
<b>Standard Operating Procedure Details</b>					
Calibration Procedure No		SOP-E-04	Calibration done at SITE		
<b>Reference Standards Details</b>					
S.No	Description	Make/ SI No:	Certificate No	Validity	
1	6 1/2 DIGITAL MULTIMETER	TW00026191	MKS/ET/21-22/205-01	29-Jul-22	
2	MULTIPROCESS CALIBRATOR	HT160100059	MKS/ET/21-22/205-02	29-Jul-22	
<b>Calibration Result</b>					
S.No.	STANDARD INSTRUMENTS READINGS	DUC VALUE	DEVIATION	EXPANDED UNCERTAINTY (±)	STATUS
	mA	mA	mA	mA	
1	20.19	20	0.19	1.21	PASS
2	40.37	40	0.37	1.21	PASS
3	60.58	60	0.58	1.21	PASS
4	80.75	80	0.75	1.21	PASS
5	100.98	100	0.98	1.21	PASS
<b>TRACEABILITY OF STANDARDS</b>					
The standard used for calibration are traceable to national standard					

G.MUTHURAJ  
(Calibration Engineer)

*G. Muthuraj*  
CALIBRATED BY



C. RAHUL SELVAN  
(Tech.manager)

*C. Rahul Selvan*  
PRINCIPAL  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY,  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK,  
TIRUNELVELI DIST. - 627 152.  
AUTHORIZED SIGNATORY

# GENERAL SCIENTIFIC RESEARCH LABORATORY

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Website : http://www.gsrlab.in

## CALIBRATION CERTIFICATE

Cert. No	: GSR/CC/T202210-03	Page	: 01 of 05	
Customer	: M/s PSN COLLEGE OF ENGINEERING AND TECHNOLOGY			
Address	: Melathediyoor, Tirunelveli - 627152.			
Date of Received	: 20-Jan-22	Next Due Date	: 19-Jan-23	
Date of Calibrate	: 20-Jan-22	Date of Issue	: 21-Jan-22	
<b>DISCRIPTION &amp; IDENTIFICATION OF INSTRUMENTS</b>				
Instrument Name	: <b>DIGITAL MULTIMETER</b>	Serial Number	: ----	
Manufacturer	: MASTECH	Range	: MULTIRANGE	
Model Number	: MAS 830L	Resolution	: MULTIRANGE	
Location	: EEE Department.			
<b>ENVIROMENTAL CONDITIONS</b>				
Ambient Temperature	: 24.4 °C	Relative Humidity	: 49.9 %r.h	
<b>METHOD OF CALIBRATION</b>				
GSR LAB organisation and practices are derived from ISO/IEC 17025:2017(E). It therefore meets the relevant requirements of ISO 9001:2008(E) when acting as the supplier providing calibration result. The described instrument has been calibrated at GENERAL SCIENTIFIC RESEARCH LABORATORY under the ambient conditions stated above				
<b>STANDARD INSTRUMENT USED</b>				
<b>INSTRUMENT NAME</b>	<b>SL.NO/ID.NO</b>	<b>CAL.DATE</b>	<b>DUE DATE</b>	<b>TRACEABILITY</b>
MULTI PROCESS CALIBRATOR	HT160100059	30-Jul-21	29-Jul-22	MIKS
HIGH VOLTAGE TESTER	GSR/EMI/15	04-Sep-21	03-Sep-22	Meso
DIGITAL MULTIMETER	TW00026191	30-Jul-21	29-Jul-22	MKS
<b>TRACEABILITY OF STANDARDS</b>				
The standard used for calibration are traceable to national standard				

G.MUTHURAJ  
(Calibration Engineer)

*G. Muthuraj*



*[Signature]*  
PRINCIPAL  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152  
C. RAHUL SELVAN  
(Tech.manager)



# GENERAL SCIENTIFIC RESEARCH LABORATORY

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## CALIBRATION CERTIFICATE

Cert.No : GSR/CC/T202210-03 Page : 02 of 05

### RESULTS OF CALIBRATION

#### DC VOLTAGE

Sr.	RANGE	NOMINAL VALUE DC (V)	INSTRUMENT READING DC (V)	DEVIATION DC (V)	MEASUREMENT UNCERTAINTY $\pm$ DC(V)
1	200 mV	10.097	10.1	0.003	0.002
		100.187	100.2	0.013	0.002
		199.681	199.7	0.019	0.002
2	2 V	1.005	0.997	-0.008	0.008
		1.021	1.007	-0.014	0.009
		2.007	1.989	-0.018	0.010
3	20 V	1.005	1.00	-0.005	0.075
		9.997	10.03	0.033	0.075
		19.887	19.99	0.103	0.085
4	200 V	9.77	10.1	0.33	0.711
		99.97	100.4	0.43	0.738
		198.91	199.4	0.49	0.794
5	600 V	99.11	100	0.89	0.711
		298.91	300	1.09	0.738
		597.71	599	1.29	0.794

#### AC VOLTAGE

Sr.	RANGE	NOMINAL VALUE AC (V)	INSTRUMENT READING AC (V)	DEVIATION AC (V)	MEASUREMENT UNCERTAINTY $\pm$ AC(V)
1	200 V	1.097	1.1	0.003	0.002
		99.321	99.7	0.379	0.002
		198.941	199.4	0.459	0.002
2	600 V	98.11	99	0.89	0.008
		298.21	299	0.79	0.009
		596.83	598	1.17	0.010

G.MUTHURAJ  
(Calibration Engineer)

CALIBRATED BY





PRINCIPAL  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTA, TANJAVUR  
TIRUNELVELI DIST. - 627 152

C. RAHUL SELVAN  
(Tech.manager)



AUTHORIZED SIGNATORY

# GENERAL SCIENTIFIC RESEARCH LABORATORY

सामान्य वैज्ञानिक अनुसंधान प्रयोगशाला



101, First Floor, Ebenezer Castle,  
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Website : http://www.gsrlab.in

## CALIBRATION CERTIFICATE

Cert.No : GSR/CC/T202210-03 Page : 03 of 05

### RESULTS OF CALIBRATION

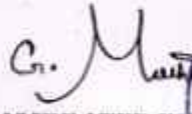
#### DC CURRENT

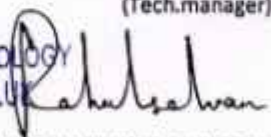
Sr.	RANGE	NOMINAL VALUE ( $\mu$ A)	INSTRUMENT READING ( $\mu$ A)	DEVIATION ( $\mu$ A)	MEASUREMENT UNCERTAINTY $\pm$ ( $\mu$ A)
1	20 $\mu$ A	1.07	1.03	-0.040	0.078
		5.05	5.00	-0.050	0.078
		10.07	10.00	-0.070	0.078
		20.01	19.95	-0.060	0.078
2	200 $\mu$ A	19.97	20.1	0.13	0.003
		50.21	50.4	0.19	0.003
		100.51	100.7	0.19	0.003
		199.31	199.6	0.29	0.003
3	2 mA	0.217	0.2	-0.017	0.008
		0.517	0.5	-0.017	0.008
		1.024	1.0	-0.024	0.008
		1.933	1.9	-0.033	0.008
4	20 mA	2.08	2.0	-0.08	0.041
		5.17	5.0	-0.17	0.041
		10.09	9.9	-0.19	0.041
		20.13	19.9	-0.23	0.041
5	200 mA	9.51	9.8	0.29	0.175
		49.31	49.6	0.29	0.175
		98.99	99.3	0.31	0.175
		198.11	198.7	0.59	0.175
6	10 A	0.989	1	0.011	0.605
		4.961	5	0.039	0.605
		7.917	8	0.083	0.605
		8.895	9	0.105	0.605

G.MUTHURAJ  
(Calibration Engineer)

C. RAHUL SELVAN  
(Tech.manager)

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MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.

CALIBRATED BY 

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# GENERAL SCIENTIFIC RESEARCH LABORATORY

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## CALIBRATION CERTIFICATE

Cert.No : GSR/CC/T202210-03 Page : 04 of 05

### RESULTS OF CALIBRATION

#### RESISTANCE ( $\Omega$ )

Sr.	RANGE	NOMINAL VALUE ( $\Omega$ )	INSTRUMENT READING ( $\Omega$ )	DEVIATION ( $\Omega$ )	MEASUREMENT UNCERTAINTY $\pm \Omega$
1	200 $\Omega$	10.00	10.0	0.01	0.088
		50.00	50.03	0.03	0.088
		100.00	99.99	-0.01	0.088
		200.00	199.97	-0.03	0.088
2	2 K $\Omega$	0.20	0.3	0.10	0.12
		0.50	0.5	0.00	0.12
		1.00	1.0	0.00	0.12
		2.00	1.7	-0.30	0.12
3	20 K $\Omega$	1.00	1.1	0.10	0.175
		5.00	5.0	0.00	0.175
		10.00	10.0	0.00	0.175
		20.00	20.0	0.00	0.175
4	200 K $\Omega$	10.00	9.9	-0.10	0.204
		50.00	49.7	-0.30	0.204
		100.00	99.5	-0.50	0.204
		200.00	199.3	-0.70	0.204
5	2 M $\Omega$	0.10	0.1	0.00	0.26
		0.50	0.5	0.00	0.26
		1.00	1.0	0.00	0.26
		2.00	1.9	-0.10	0.26

*[Handwritten signature]*

G.MUTHURAJ (Calibration Engineer)		PRINCIPAL PSN COLLEGE OF ENGINEERING & TECHNOLOGY MELATHEDIYOOR, PALAYAMKOTTAI TALUK TIRUNELVELI DIST. - 627 152.	C. RAHUL SELVAN (Tech.manager)
<i>[Handwritten signature]</i> CALIBRATED BY		<i>[Handwritten signature]</i> AUTHORIZED SIGNATORY	

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## CALIBRATION CERTIFICATE

Cert.No : GSR/CC/T202210-03 Page : 05 of 05

### USED UNCERTAINTY FORMULA

#### TYPE 'A' EVALUATION

$$S^2(T_i) = \frac{1}{n-1} \sum_{i=1}^n (T_i - \bar{T})^2$$

$T_i$  = Ten Measurement of DUC  
 $n$  = number of reading

#### TYPE 'B' EVALUATION

Uncertainty of master instrument

$$U_{b1} = a/k$$

Uncertainty of standard instrument

$$U_{b2} = a/k$$

Resolution of DUC

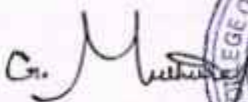

$$U_{b3} = a/\sqrt{3}$$

The Estimated Uncertainty to be associated with the result is calculated at a confidence level of approximately 95%.

(Coverage Factor = 2)

### REMARKS/DEVIATIONS IF ANY

1. The recalibration interval should be determined based on the user's requirements.
2. The user should determine the suitability of the instrument for its intended use.
3. The results stated in this certificate relate only to the item calibrated.
4. The item was received in good condition.
5. The calibration points are taken as per customer requirement.

G.MUTHURAJ (Calibration Engineer)			C. RAHUL SELVAN (Tech.manager)
CALIBRATED BY		PRINCIPAL PSN COLLEGE OF ENGINEERING & TECHNOLOGY MELATHEDIYOR, PALAYAMKOTTAI TALUK TIRUNELVELI DIST. - 627 152.	AUTHORIZED SIGNATORY



# GENERAL SCIENTIFIC RESEARCH LABORATORY

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### CALIBRATION CERTIFICATE

Cert. No	: GSR/CC/T202210-04	Page	: 01 of 02
Customer	: M/s PSN COLLEGE OF ENGINEERING AND TECHNOLOGY,,		
Adress	: Melathediyoor, Tirunelveli - 627152.		

Date of Received	: 20-Jan-22	Next Due Date	: 19-Jan-23
Date of Calibrate	: 20-Jan-22	Issue Date	: 21-Jan-22

### DISCRIPTION & IDENTIFICATION OF INSTRUMENTS

Instrument Name	: <b>DUAL REGULATED POWER SUPPLY</b>	Instrument ID No	: PSNCET/EEE/RPS/01
Manufacturer	: ---	Range	: 0 to 30 V / 0 to 2 A
Model Number	: 302 D	Resolution	: 0.1 V / 0.01 A
Location	: <b>ELECTRICAL DEPARTMENT</b>		

### ENVIROMENTAL CONDITIONS

Ambient Temperature	: 28.6 °C	Relative Humidity	: 49.6 %r.h
---------------------	-----------	-------------------	-------------

### METHOD OF CALIBRATION

GSR LAB organisation and practices are derived from ISO/IEC 17025:2017(E). It therefore meets the relevent requirements of ISO 9001:2008(E) when acting as the supplier providing calibration result. The described instrument has been calibrated at GENERAL SCIENTIFIC RESEARCH LABORATORY under the ambient conditions stated above

### STANDARD INSTRUMENT USED

INSTRUMENT NAME	SL.NO/ID.NO	CAL.DATE	DUE DATE	TRACEABILITY
6 1/2 DIGITAL MULTIMETER	TW00026191	30-Jul-21	29-Jul-22	MKS
HIGH VOLTAGE TESTER	GSR/EMI/03	04-Sep-21	03-Sep-22	MESO
MULTIPROCESS CALIBRATOR	HT160100059	30-Jul-21	29-Jul-22	MKS

### TRACEABILITY OF STANDARDS

The standard used for calibration are traceable to national standard

MUTHURAJ.G  
(Calibration Engineer)



C. RAHUL SELVAN  
(Tech.manager)

PRINCIPAL  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI  
TIRUNELVELI DIST. - 627 152.

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Website : http://www.gsrlab.in

## CALIBRATION CERTIFICATE

Cert.No : GSR/CC/T202210-04 Page : 02 of 02

### RESULTS OF CALIBRATION

#### VOLTAGE VALUE :

Sr.	RANGE	NOMINAL VALUE Volt	INSTRUMENT READING Volt	DEVIATION Volt	MEASUREMENT UNCERTAINTY $\pm$ (W)
1	0-30 Volt	10.03	10.0	-0.03	0.575
2	0-30 Volt	20.05	20.0	-0.05	0.575
3	0-30 Volt	30.07	30.0	-0.07	0.575

#### CURRENT VALUE :

Sr.	RANGE	NOMINAL VALUE Amps	INSTRUMENT READING Amps	DEVIATION Amps	MEASUREMENT UNCERTAINTY $\pm$ (W)
1	0-2 A	1.001	1.00	-0.001	0.575
2	0-2 A	1.505	1.50	-0.005	0.575
3	0-2 A	2.007	2.00	-0.007	0.575

### REMARKS/DEVIATIONS IF ANY

1. The recalibration interval should be determined based on the user's requirements.
2. The user should determine the suitability of the instrument for its intended use.
3. The results stated in this certificate relate only to the item calibrated.
4. The item was received in good condition.
5. The calibration points are taken as per customer requirement.

MUTHURAJ.G (Calibration Engineer)			C. RAHUL SELVAN (Tech.manager)
<b>CALIBRATED BY</b>		<b>PRINCIPAL</b> PSN COLLEGE OF ENGINEERING & TECHNOLOGY MELATHEDIYOOR, PALAYAMKOTTAI TALUK TIRUNELVELI DIST. - 627 152	 <b>AUTHORIZED SIGNATORY</b>



# GENERAL SCIENTIFIC RESEARCH LABORATORY

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### CALIBRATION CERTIFICATE

CERTIFICATE NO: GSR/CC/T202210-05		Page No:1 of 1			
<b>Customer Name &amp; Address :</b>					
M/s PSN COLLEGE OF ENGINEERING AND TECHNOLOGY., Melathediyoor, Tirunelveli - 627152.		Receipt Date : 20-Jan-22	Calibration Date : 20-Jan-22		
		Calibration Due : 19-Jan-23	Issue Date : 21-Jan-22		
<b>Details of Device Under Calibration (DUC)</b>					
Description : AC AMMETER	Identification No : PSNCET/EEE/AM/02	Range : 0 to 20 A	Least Count : 0.1 A		
Make : MECO-V	Location : Electrical Department.	DUC Condition : SATISFACTORY			
Model : --					
Sl.No : 67415					
<b>Environmental Conditions</b>					
Environmental Details	Temperature: 27.8° C	Relative Humidity	61% Rh		
<b>Standard Operating Procedure Details</b>					
Calibration Procedure No	SOP-T-01	Calibration done at	SITE		
<b>Reference Standards Details</b>					
S.No	Description	Make/ SI No:	Certificate No	Validity	
1	6 1/2 DIGITAL MULTIMETER	TW00026191	MKS/ET/21-22/205-01	29-Jul-22	
2	MULTIPROCESS CALIBRATOR	HT160100059	MKS/ET/21-22/205-02	29-Jul-22	
<b>Calibration Result</b>					
S.No.	STANDARD INSTRUMENTS READINGS	DEVICE UNDER CALIBRATION READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)	STATUS
	A	A	A	A	
1	0.00	0.0	0.00	0.57	PASS
2	2.00	2.0	0.00	0.57	PASS
3	4.97	5.0	-0.03	0.57	PASS
4	9.95	10.0	-0.05	0.57	PASS
5	14.93	15.0	-0.07	0.57	PASS
6	19.92	20.0	-0.08	0.57	PASS
<b>TRACEABILITY OF STANDARDS</b>					
The standard used for calibration are traceable to national standard					

G.MUTHURAJ (Calibration Engineer)	C. RAHUL SELVAN (Tech.manager)
<b>CALIBRATED BY</b>	<b>PRINCIPAL</b> PSN COLLEGE OF ENGINEERING & TECHNOLOGY MELATHEDIYOOR, PALAYAMKOTTAI TALUK
	<b>AUTHORIZED SIGNATORY</b>

# GENERAL SCIENTIFIC RESEARCH LABORATORY

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## CALIBRATION CERTIFICATE

CERTIFICATE NO: GSR/CC/T202210-06		Page No:1 of 1			
<b>Customer Name &amp; Address :</b> M/s PSN COLLEGE OF ENGINEERING AND TECHNOLOGY., Melathediyoor, Tirunelveli - 627152.		Receipt Date : 20-Jan-22 Calibration Date : 20-Jan-22 Calibration Due : 19-Jan-23 Issue Date : 21-Jan-22 DUC Condition : SATISFACTORY			
<b>Details of Device Under Calibration (DUC)</b>					
Description : DC AMMETER		Identification No : PSNCET/ECE/AM/01			
Make : OXFORD		Output Range : 0 to 50 mA			
Model : MR-100		Least Count : 1 mA			
SI.No : ---		Location : ECE Department			
<b>Environmental Conditions</b>					
Environmental Details	Temperature: 25.8° C	Relative Humidity	61% Rh		
<b>Standard Operating Procedure Details</b>					
Calibration Procedure No	SOP-E-04	Calibration done at	SITE		
<b>Reference Standards Details</b>					
S.No	Description	Make/ SI No:	Certificate No	Validity	
1	6 1/2 DIGITAL MULTIMETER	TW00026191	MKS/ET/21-22/205-01	29-Jul-22	
2	MULTIPROCESS CALIBRATOR	HT160100059	MKS/ET/21-22/205-02	29-Jul-22	
<b>Calibration Result</b>					
S.No.	STANDARD INSTRUMENTS READINGS	DUC VALUE	DEVIATION	EXPANDED UNCERTAINTY (±)	STATUS
	mA	mA	mA	mA	
1	10.24	10	0.24	0.68	PASS
2	20.45	20	0.45	0.68	PASS
3	30.58	30	0.58	0.68	PASS
4	40.81	40	0.81	0.68	PASS
5	50.92	50	0.92	0.68	PASS
<b>TRACEABILITY OF STANDARDS</b>					
The standard used for calibration are traceable to national standard					

G.MUTHURAJ (Calibration Engineer)	C. RAHUL SELVAN (Tech.manager)
<b>CALIBRATED BY</b>	<b>AUTHORIZED SIGNATORY</b>
<b>PRINCIPAL</b> PSN COLLEGE OF ENGINEERING & TECHNOLOGY MELATHEDIYOOR, PALAYAMKOTTAI TALUK TIRUNELVELI DIST. - 627152	



# GENERAL SCIENTIFIC RESEARCH LABORATORY

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## CALIBRATION CERTIFICATE

CERTIFICATE NO: GSR/CC/T202210-07		Page No:1 of 1			
<b>Customer Name &amp; Address :</b> M/s PSN COLLEGE OF ENGINEERING AND TECHNOLOGY., Melathediyoor, Tirunelveli - 627152.		Receipt Date : 20-Jan-22 Calibration Date : 20-Jan-22 Calibration Due : 19-Jan-23 Issue Date : 21-Jan-22 DUC Condition : SATISFACTORY			
<b>Details of Device Under Calibration (DUC)</b>					
Description : DC AMMETER		Identification No : PSNCET/ECE/AM/02			
Make : LABS		Output Range : 0 to 200 $\mu$ A			
Model : MO-65		Least Count : 5 $\mu$ A			
SI.No : —		Location : ECE Department			
<b>Environmental Conditions</b>					
Environmental Details		Temperature: 25.8° C	Relative Humidity : 61% Rh		
<b>Standard Operating Procedure Details</b>					
Calibration Procedure No : SOP-E-04		Calibration done at : SITE			
<b>Reference Standards Details</b>					
S.No	Description	Make/ SI No:	Certificate No	Validity	
1	6 1/2 DIGITAL MULTIMETER	TW00026191	MKS/ET/21-22/205-01	29-Jul-22	
2	MULTIPROCESS CALIBRATOR	HT160100059	MKS/ET/21-22/205-02	29-Jul-22	
<b>Calibration Result</b>					
S.No.	STANDARD INSTRUMENTS READINGS	DUC VALUE	DEVIATION	EXPANDED UNCERTAINTY ( $\pm$ )	STATUS
	$\mu$ A	$\mu$ A	$\mu$ A	$\mu$ A	
1	25.11	25	0.11	2.91	PASS
2	50.71	50	0.71	2.91	PASS
3	100.95	100	0.95	2.91	PASS
4	151.17	150	1.17	2.91	PASS
5	201.31	200	1.31	2.91	PASS
<b>TRACEABILITY OF STANDARDS</b>					
The standard used for calibration are traceable to national standard					

G.MUTHURAJ (Calibration Engineer)			C. RAHUL SELVAN (Tech.manager)
<b>CALIBRATED BY</b>		<b>PRINCIPAL</b> PSN COLLEGE OF ENGINEERING & TECHNOLOGY MELATHEDIYOOR, PALAYAMKOTTAI TALUK TIRUNELVELI DIST - 627152	<b>AUTHORIZED SIGNATORY</b>

24 Hours Customer Support : 9751561133, Sales & Marketing : 8072486382

# GENERAL SCIENTIFIC RESEARCH LABORATORY

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### CALIBRATION CERTIFICATE

CERTIFICATE NO: GSR/CC/T202210-08		Page No:1 of 1			
<b>Customer Name &amp; Address :</b>					
M/s PSN COLLEGE OF ENGINEERING AND TECHNOLOGY., Melathediyoor, Tirunelveli - 627152.		Receipt Date : 20-Jan-22 Calibration Date : 20-Jan-22 Calibration Due : 19-Jan-23 Issue Date : 21-Jan-22			
<b>Details of Device Under Calibration (DUC)</b>					
Description : DC VOLTMETER		Identification No : PSNCET/ECE/VM/01			
Make : OXFORD		Range : 0 to 1 VDC			
Model : MR-100		Least Count : 0.02 VDC			
Sl.No : ---		Location : ECE Department.			
		DUC Condition : SATISFACTORY			
<b>Environmental Conditions</b>					
Environmental Details		Temperature: 27.8° C	Relative Humidity : 61% Rh		
<b>Standard Operating Procedure Details</b>					
Calibration Procedure No : SOP-T-01		Calibration done at : SITE			
<b>Reference Standards Details</b>					
S.No	Description	Make/ SI No:	Certificate No		
1	MULTIPROCESS CALIBRATOR	HT160100059	MKS/ET/21-22/205-02		
			Validity : 29-Jul-22		
<b>Calibration Result</b>					
S.No.	STANDARD INSTRUMENTS READINGS	DEVICE UNDER CALIBRATION READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)	STATUS
	VDC	VDC	VDC	VDC	
1	0.00	0.00	0.00	0.57	PASS
2	0.20	0.20	0.00	0.57	PASS
3	0.40	0.40	0.00	0.57	PASS
4	0.61	0.60	0.01	0.57	PASS
5	0.81	0.80	0.01	0.57	PASS
6	1.02	1.00	0.02	0.57	PASS
<b>TRACEABILITY OF STANDARDS</b>					
The standard used for calibration are traceable to national standard					

G.MUTHURAJ (Calibration Engineer)		C. RAHUL SELVAN (Tech.manager)
<b>CALIBRATED BY</b>	<b>PRINCIPAL</b>	<b>AUTHORIZED SIGNATORY</b>
	PSN COLLEGE OF ENGINEERING & TECHNOLOGY MELATHEDIYOOR, PALAYAMKOTTAI TALUK TIRUNELVELI DIST. - 627 152.	



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gsrlab01@gmail.com  
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## CALIBRATION CERTIFICATE

CERTIFICATE NO: GSR/CC/T202210-09		Page No:1 of 1			
<b>Customer Name &amp; Address :</b>					
M/s PSN COLLEGE OF ENGINEERING AND TECHNOLOGY., Melathediyoor, Tirunelveli - 627152.		Receipt Date : 20-Jan-22 Calibration Date : 20-Jan-22 Calibration Due : 19-Jan-23 Issue Date : 21-Jan-22			
<b>Details of Device Under Calibration (DUC)</b>					
Description : DC VOLTMETER	Identification No : PSNCET/ECE/VM/02	Range : 0 to 15 VDC	Least Count : 0.25 VDC		
Make : LABS	Location : ECE Department.	DUC Condition : SATISFACTORY			
Model : MO-65					
SI.No : --					
<b>Environmental Conditions</b>					
Environmental Details	Temperature: 27.8° C	Relative Humidity	61% Rh		
<b>Standard Operating Procedure Details</b>					
Calibration Procedure No	SOP-T-01	Calibration done at	SITE		
<b>Reference Standards Details</b>					
S.No	Description	Make/ SI No:	Certificate No	Validity	
1	6 1/2 DIGITAL MULTIMETER	TW00026191	MKS/ET/21-22/205-01	29-Jul-22	
2	MULTIPROCESS CALIBRATOR	HT160100059	MKS/ET/21-22/205-02	29-Jul-22	
<b>Calibration Result</b>					
S.No.	STANDARD INSTRUMENTS READINGS	DEVICE UNDER CALIBRATION READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)	STATUS
	VDC	VDC	VDC	VDC	
1	0.00	0.00	0.00	0.58	PASS
2	3.07	3.00	0.07	0.58	PASS
3	6.15	6.00	0.15	0.58	PASS
4	9.17	9.00	0.17	0.58	PASS
5	12.21	12.00	0.21	0.58	PASS
6	15.24	15.00	0.24	0.58	PASS
<b>TRACEABILITY OF STANDARDS</b>					
The standard used for calibration are traceable to national standard					

G.MUTHURAJ (Calibration Engineer)		C. RAHUL SELVAN (Tech.manager)
<b>CALIBRATED BY</b>	<b>PRINCIPAL</b> PSN COLLEGE OF ENGINEERING & TECHNOLOGY MELATHEDIYOOR, PALAYAMKOTTAI TALUK TIRUNELVELI DIST. 627152	<b>AUTHORIZED SIGNATORY</b>

# GENERAL SCIENTIFIC RESEARCH LABORATORY

सामान्य वैज्ञानिक अनुसंधान प्रयोगशाला



101, First Floor, Ebenezer Castle,  
3rd Street, Kamaraj Nagar,  
Tuticorin - 628008, Tamil Nadu, India.

E-Mail : sales@gsrlab.in /  
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Website : http://www.gsrlab.in

## CALIBRATION CERTIFICATE

CERTIFICATE NO: GSR/CC/T202210-10		Page No:1 of 1			
<b>Customer Name &amp; Address :</b> M/s PSN COLLEGE OF ENGINEERING AND TECHNOLOGY., Melathediyoar, Tirunelveli - 627152.		Receipt Date : 20-Jan-22 Calibration Date : 20-Jan-22 Calibration Due : 19-Jan-23 Issue Date : 21-Jan-22 DUC Condition : SATISFACTORY			
<b>Details of Device Under Calibration (DUC)</b>					
Description : DC AMMETER		Identification No : PSNCET/ECE/AM/03			
Make : OXFORD		Output Range : 0 to 600 mA			
Model : MR-100		Least Count : 10 mA			
Sl.No : ---		Location : ECE Department			
<b>Environmental Conditions</b>					
Environmental Details		Temperature: 25.8° C	Relative Humidity : 61% Rh		
<b>Standard Operating Procedure Details</b>					
Calibration Procedure No : SOP-E-04		Calibration done at : SITE			
<b>Reference Standards Details</b>					
S.No	Description	Make/ SI No:	Certificate No	Validity	
1	6 1/2 DIGITAL MULTIMETER	TW00026191	MKS/ET/21-22/205-01	29-Jul-22	
2	MULTIPROCESS CALIBRATOR	HT160100059	MKS/ET/21-22/205-02	29-Jul-22	
<b>Calibration Result</b>					
S.No.	STANDARD INSTRUMENTS READINGS	DUC VALUE	DEVIATION	EXPANDED UNCERTAINTY (±)	STATUS
	mA	mA	mA	mA	
1	100.17	100	0.17	5.78	PASS
2	200.71	200	0.71	5.78	PASS
3	301.11	300	1.11	5.78	PASS
4	401.54	400	1.54	5.78	PASS
5	601.85	600	1.85	5.78	PASS
<b>TRACEABILITY OF STANDARDS</b>					
The standard used for calibration are traceable to national standard					

G.MUTHURAJ (Calibration Engineer)			C. RAHUL SELVAN (Tech.manager)
<b>CALIBRATED BY</b>		<b>AUTHORIZED SIGNATORY</b>	
		<b>PRINCIPAL</b> PSN COLLEGE OF ENGINEERING & TECHNOLOGY MELATHEDIYOOR, PALAYAMKOTTAI TALUK TIRUNELVELI DIST. - 627 152.	



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## CALIBRATION CERTIFICATE

CERTIFICATE NO: GSR/CC/T202210-11		Page No:1 of 2		
Receipt Date	: 20-Jan-22			
Calibration Date	: 20-Jan-22			
Calibration Due	: 19-Jan-23			
Issue Date	: 21-Jan-22			
<b>Customer Name &amp; Address :</b> M/s PSN COLLEGE OF ENGINEERING AND TECHNOLOGY., Melathediyoar, Madathur, Tirunelveli - 627152.				
<b>Details of Device Under Calibration (DUC)</b>				
Description	: : SCREW GAUGE	Identification No	: PSNCET/MECH/SG/01	
Make	: Mitutoyo	Range	: 0 to 25 mm	
Model	: ---	Least Count	: 0.01 mm	
Sl.No	: 103-137	Location	: MECHANICAL & METROLOGY	
DUC Condition	: Satisfactory			
<b>Environmental Conditions</b>				
Environmental Details	Temperature: 28.5° C	Relative Humidity	51% Rh	
<b>Standard Operating Procedure Details</b>				
Calibration Procedure No	SOP-M-10	Calibration done at	SITE	
<b>Reference Document Details</b>				
Reference Document	Based on TS-0051			
<b>Reference Standards Details</b>				
S.No	Description	Make/ Sl No:	Certificate By	Validity
1	SLIP GAUGE SET	GSR/DMI/01	Exquisite	3-Sep-2022
<b>TRACEABILITY OF STANDARDS</b>				
The standard used for calibration are traceable to national standard				

MUTHURAJ.G  
(Calibration Engineer)

C. RAHUL SELVAN  
(Tech.manager)

CALIBRATED BY



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PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
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# GENERAL SCIENTIFIC RESEARCH LABORATORY

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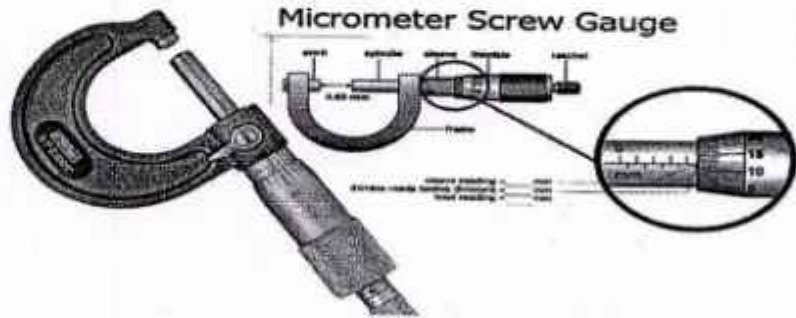
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## CALIBRATION CERTIFICATE

CERTIFICATE NO: GSR/CC/T202210-11

Page No:2 of 2

### DIAGRAM OF MICROMETER



### CALIBRATION RESULTS

S.No.	STANDARD INSTRUMENTS READINGS	DEVICE UNDER CALIBRATION READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)	STATUS
	mm	mm	mm	mm	
1	0.500	0.50	0.000	0.032	PASS
2	5.000	5.01	0.010	0.032	PASS
3	10.000	9.99	-0.010	0.032	PASS
4	15.000	15.00	0.000	0.032	PASS
5	20.000	19.99	-0.010	0.032	PASS
6	25.000	24.99	-0.010	0.032	PASS

### REMARKS

- 1.The above mentioned device under calibration was calibrated at SITE.
2. The calibration points are taken as per customer requirement.
- 3.The user should determine the suitability of the instrument for its intended use.
- 4.The recalibration interval should be determined on the user requirement.
5. The item was received in good condition.
- 6.The results stated in this certificate relate only to the item calibrated.
- 7.This Calibration certificate shall not be reproduced except in full, without written approval of the laboratory.
- 8.Any correction / Modification in this calibration report kindly inform with in 30 days.
- 9.The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00

MUTHURAJ.G  
(Calibration Engineer)

*C. Muthuraj*  
CALIBRATED BY



*Rahul Selvan*

PRINCIPAL

PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYANKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.

C. RAHUL SELVAN  
(Tech.manager)

*Rahul Selvan*  
AUTHORIZED SIGNATORY



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## CALIBRATION CERTIFICATE

Cert. No	: GSR/CC/T202210-12	Page	: 01 of 03	
Customer	: M/s PSN COLLEGE OF ENGINEERING AND TECHNOLOGY.,			
Address	: Melathediyoor, Tirunelveli - 627152.			
Received Date	: 20-Jan-22	Next Due Date	: 19-Jan-23	
Calibration Date	: 20-Jan-22	Issue Date	: 21-Jan-22	
<b>DISCRIPTION &amp; IDENTIFICATION OF INSTRUMENTS</b>				
Instrument Name	: <b>ANALOG VERNIER CALIPER</b>	SI Number	: ---	
Manufacturer	: YAMMAYO	Dial Range	: 0 to 300 mm	
Id Number	: PSNCET/MECH/AVC/01	L.C	: 0.02 mm	
Location	: Mech&Metrology			
<b>ENVIROMENTAL CONDITIONS</b>				
Ambient Temperature	: 20.5°C	Relative Humidity	: 58 %r.h	
<b>METHOD OF CALIBRATION</b>				
GSR LAB organisation and practices are derived from ISO/IEC 17025:2017(E). when acting as the supplier providing calibration result. The described instrument has been calibrated at GENERAL SCIENTIFIC RESEARCH LABORATORY under the ambient conditions stated above				
<b>STANDARD INSTRUMENT USED</b>				
INSTRUMENT NAME	SL.NO/ID.NO	CAL.DATE	DUE DATE	TRACEABILITY
SLIP GAUGE SET	GSR/DMI/01	04-Sep-21	03-Sep-22	EXQUISITE
<b>TRACEABILITY OF STANDARDS</b>				
The standard used for calibration are traceable to national standard				

MUTHURAJ.G (Calibration Engineer)	C. RAHUL SELVAN (Tech.manager)
<b>CALIBRATED BY</b>	<b>AUTHORIZED SIGNATORY</b>
	<b>PRINCIPAL</b>
	PSN COLLEGE OF ENGINEERING & TECHNOLOGY MELATHEDIYOOR, PALAYAMKOTTAI TALUK TIRUNELVELI DIST. - 627 152

# GENERAL SCIENTIFIC RESEARCH LABORATORY

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## CALIBRATION CERTIFICATE

Cert.No : GSR/CC/T202210-12 Page : 02 of 03

### RESULTS OF CALIBRATION

#### CALIBRATION OF EXTERNAL JAWS

Sr.	NOMINAL VALUE (mm)	INSTRUMENT READING (mm)	DEVIATION (mm)	MEASUREMENT UNCERTAINTY ±(mm)
1	0.50	0.50	0.00	0.0019
2	50.00	50.00	0.00	0.0019
3	100.00	100.00	0.00	0.0019
4	150.00	150.00	0.00	0.0019
5	200.00	200.00	0.00	0.0019
6	300.00	300.02	0.02	0.0019

#### CALIBRATION OF INTERNAL JAWS

Sr.	NOMINAL VALUE (mm)	INSTRUMENT READING (mm)	DEVIATION (mm)	MEASUREMENT UNCERTAINTY ±(mm)
1	0.50	0.50	0.00	0.0019
2	50.00	50.00	0.00	0.0019
3	100.00	100.00	0.00	0.0019
4	150.00	150.00	0.00	0.0019
5	200.00	200.00	0.00	0.0019
6	300.00	300.02	0.02	0.0019

$$S^2(T_i) = \frac{1}{n-1} \sum_{i=1}^n (T_i - \bar{T})^2$$

$T_i$  = Ten Measurement of DUC  
 $n$  = number of reading

Uncertainty of master instrument

$$U_{b1} = a/k$$

Uncertainty of standard instrument

$$U_{b2} = a/k$$

Resolution of DUC

$$U_{b3} = a/\sqrt{3}$$

The Estimated Uncertainty to be associated with the result is calculated at a confidence level of approximately 95%. ( $K=2$ )

MUTHURAJ.G (Calibration Engineer)			C. RAHUL SELVAN (Tech.manager)
<b>CALIBRATED BY</b>		<b>PRINCIPAL</b>	
		PSN COLLEGE OF ENGINEERING & TECHNOLOGY MELATHEDIYOOR, PALAYAMKOTTAI TALUK TIRUNELVELI DISTRICT - 627 152	



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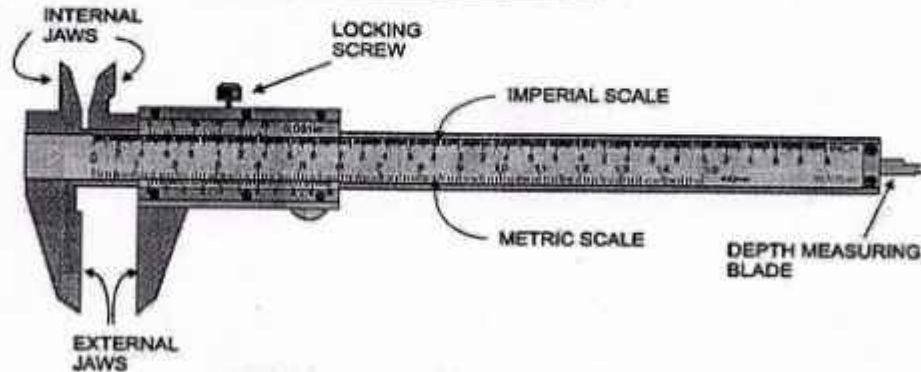
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## CALIBRATION CERTIFICATE

Cert.No : GSR/CC/T202210-12

Page : 03 of 03

### DIAGRAM OF VERNIER CALIPER



### RESULTS OF CALIBRATION

#### CALIBRATION OF DEPTH MEASURING BLADE

Sr.	NOMINAL VALUE (mm)	INSTRUMENT READING (mm)	DEVIATION (mm)	MEASUREMENT UNCERTAINTY(mm)
1	0.50	0.50	0.00	0.0019
2	25.00	25.00	0.00	0.0019
3	50.00	50.00	0.00	0.0019
4	100.00	100.00	0.00	0.0019
5	150.00	150.00	0.00	0.0019
6	200.00	200.00	0.00	0.0019
7	250.00	250.02	0.02	0.0019
8	300.00	300.02	0.02	0.0019

#### REMARKS/DEVIATIONS IF ANY

1. The recalibration interval should be determined based on the user's requirements.
2. The user should determine the suitability of the instrument for its intended use.
3. The results stated in this certificate relate only to the item calibrated.
4. The item was received in good condition.
5. The calibration points are taken as per customer requirement.

MUTHURAJ.G (Calibration Engineer)		C. RAHUL SELVAN (Tech.manager)	
		PRINCIPAL	AUTHORIZED SIGNATORY
CALIBRATED BY			

# GENERAL SCIENTIFIC RESEARCH LABORATORY

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## CALIBRATION CERTIFICATE

CERTIFICATE NO: GSR/CC/T202210-13		Page No:1 of 1			
<b>Customer Name &amp; Address :</b> M/s PSN COLLEGE OF ENGINEERING AND TECHNOLOGY., Melathediyoar, Tirunelveli - 627152.		Receipt Date : 20-Jan-22 Calibration Date : 20-Jan-22 Calibration Due : 19-Jan-23 Issue Date : 21-Jan-22			
<b>Details of Device Under Calibration (DUC)</b>					
Description : GLASS THERMOMETER	Identification No : PSNCET/MECH/GTM/01	Range : -10 to 110 °C	Least Count : 1 °C		
Make : DIMPLE	Location : MECHANICAL & METROLOGY	DUC Condition : SATISFACTORY			
Model : ---					
SI.No : ---					
<b>Environmental Conditions</b>					
Environmental Details	Temperature: 25.8° C	Relative Humidity	61% Rh		
<b>Standard Operating Procedure Details</b>					
Calibration Procedure No	SOP-T-08	Calibration done at	SITE		
<b>Reference Standards Details</b>					
S.No	Description	Make/ SI No:	Certificate No	Validity	
1	RTD SENSOR	948	JRPM-CCTR-THER-2021-0351	18-03-2022	
2	DIGITAL MULTIMETER	TW00026191	MKS/ET/21-22/205-01	29-07-2022	
<b>Calibration Result</b>					
S.No.	STANDARD INSTRUMENTS READINGS	DEVICE UNDER CALIBRATION READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)	STATUS
	°C	°C	°C	°C	
1	-9.71	-10.0	-0.29	0.81	PASS
2	0.35	0.0	-0.35	0.81	PASS
3	40.41	40.0	-0.41	0.81	PASS
4	80.47	80.0	-0.47	0.81	PASS
5	110.55	110.0	-0.55	0.81	PASS
<b>TRACEABILITY OF STANDARDS</b>					
The standard used for calibration are traceable to national standard					

G.MUTHURAJ (Calibration Engineer)		C. RAHUL SELVAN (Tech.manager)
	TIRUNELVELI DISTRICT 627 152	
<b>CALIBRATED BY</b>	<b>PRINCIPAL</b>	<b>AUTHORIZED SIGNATORY</b>
	PSN COLLEGE OF ENGINEERING & TECHNOLOGY	
	MELATHEDIYOOR, PALAYAMKOTTAI TALUK	
	TIRUNELVELI DIST. - 627 152.	



# GENERAL SCIENTIFIC RESEARCH LABORATORY

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## CALIBRATION CERTIFICATE

Cert. No	: GSR/CC/T202210-14	Page	: 01 of 02
Customer	: M/s PSN COLLEGE OF ENGINEERING AND TECHNOLOGY.,		
Address	: Melathediyoor, Tirunelveli - 627152.		
Received Date	: 20-Jan-22	Next Due Date	: 19-Jan-23
Calibration Date	: 20-Jan-22	Issue Date	: 21-Jan-22

### DISCRIPTION & IDENTIFICATION OF INSTRUMENTS

Instrument Name	: <b>HEIGHT GAUGE</b>	SI Number	: 10216283
Manufacturer	: Mitutoyo	Dial Range	: 0 to 300 mm
Id Number	: PSNCET/MECH/GH/01	L.C	: 0.02 mm
Location	: Mech&Metrology		

### ENVIROMENTAL CONDITIONS

Ambient Temperature	: 20.5°C	Relative Humidity	: 58 %r.h
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### METHOD OF CALIBRATION

GSR LAB organisation and practices are derived from ISO/IEC 17025:2017(E). when acting as the supplier providing calibration result. The described instrument has been calibrated at GENERAL SCIENTIFIC RESEARCH LABORATORY under the ambient conditions stated above

### STANDARD INSTRUMENT USED

INSTRUMENT NAME	SL.NO/ID.NO	CAL.DATE	DUE DATE	TRACEABILITY
SLIP GAUGE SET	GSR/DMI/01	04-Sep-21	03-Sep-22	EXQUISITE

### TRACEABILITY OF STANDARDS

The standard used for calibration are traceable to national standard

MUTHURAJ.G (Calibration Engineer)	C. RAHUL SELVAN (Tech.manager)
<b>CALIBRATED BY</b>	<b>PRINCIPAL AUTHORIZED SIGNATORY</b>



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MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.

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## CALIBRATION CERTIFICATE

Cert.No : GSR/CC/T202210-14

Page : 02 of 02

### DIAGRAM OF HEIGHT GAUGE



### RESULTS OF CALIBRATION

#### CALIBRATION OF DEPTH MEASURING BLADE

Sr.	NOMINAL VALUE (mm)	INSTRUMENT READING (mm)	DEVIATION (mm)	MEASUREMENT UNCERTAINTY(mm)
1	0.50	0.50	0.00	0.0019
2	25.00	25.00	0.00	0.0019
3	50.00	50.00	0.00	0.0019
4	100.00	100.00	0.00	0.0019
5	150.00	150.02	0.02	0.0019
6	200.00	200.00	0.00	0.0019
7	250.00	250.00	0.00	0.0019
8	300.00	300.02	0.02	0.0019

### REMARKS/DEVIATIONS IF ANY

1. The recalibration interval should be determined based on the user's requirements.
2. The user should determine the suitability of the instrument for its intended use.
3. The results stated in this certificate relate only to the item calibrated.
4. The item was received in good condition.
5. The calibration points are taken as per customer requirement.

MUTHURAJ.G (Calibration Engineer)		C. RAHUL SELVAN (Tech.manager)
<b>CALIBRATED BY</b>	<b>PRINCIPAL</b>	<b>AUTHORIZED SIGNATORY</b>
	PSN COLLEGE OF ENGINEERING & TECHNOLOG	MELATHEDIYOOR, PALAYAMKOT



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Website : http://www.gsrlab.in

## CALIBRATION CERTIFICATE

Cert. No	: GSR/CC/T202210-15	Page	: 01 of 02
NABL Doc. No	: NABL-122-01-Doc	NABL LAB ID	: C-1278
Customer	: M/s PSN COLLEGE OF ENGINEERING AND TECHNOLOGY,,		
Address	: Melathediyoor, Tirunelveli - 627152.		
Received Date	: 20-Jan-22	Next Due Date	: 19-Jan-23
Calibration Date	: 20-Jan-22	Issue Date	: 21-Jan-22

### DISCRIPTION & IDENTIFICATION OF INSTRUMENTS

Instrument Name	: BEVEL PROTRACTOR	Serial No	: 1010138
Manufacturer	: Aerospace	Range	: 0 to 360°
Id Number	: PSNCET/MECH/GTM/01	LC	: 1°
Location	: MECHANICAL & METROLOGY		

### ENVIROMENTAL CONDITIONS

Ambient Temperature	: 20.9 °C	Relative Humidity	: 51.6 %r.h
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### METHOD OF CALIBRATION

GSR LAB organisation and practices are derived from ISO/IEC 17025:2017(E). when acting as the supplier providing calibration result. The described instrument has been calibrated at GENERAL SCIENTIFIC RESEARCH LABORATORY under the ambient conditions stated above

### STANDARD INSTRUMENT USED

INSTRUMENT NAME	SL.NO/ID.NO	CAL.DATE	DUE DATE	TRACEABILITY
SLIP GAUGE SET	GSR/DMI/01	4-Sep-2021	3-Sep-2022	Exquisite
ANGLE GAUGE SET	GSR/DMI/10	4-Sep-2021	3-Sep-2022	Exquisite

### TRACEABILITY OF STANDARDS

The standard used for calibration are traceable to national standard  
Result of calibration last page

MUTHURAJ.G (Calibration Engineer)		C. RAHUL SELVAN (Tech.manager)
	PRINCIPAL PSN COLLEGE OF ENGINEERING & TECHNOLOGY MELATHEDIYOOR, PALAYAMKOTTAI TALUK TIRUNELVELI DIST. 627 152	

CALIBRATED BY

# GENERAL SCIENTIFIC RESEARCH LABORATORY

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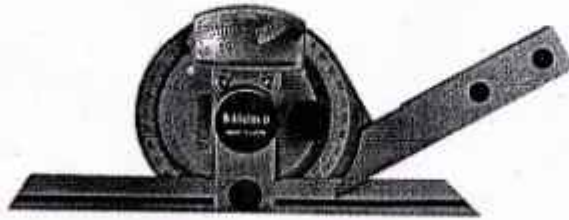
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Website : http://www.gsrlab.in

## CALIBRATION CERTIFICATE

Cert.No : GSR/CC/T202210-15

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### DIAGRAM OF DEGREE PROTRACTOR



### RESULTS OF CALIBRATION

Sr.	NOMINAL VALUE (DEGREE)	INSTRUMENT READING (DEGREE)	DEVIATION (DEGREE)	MEASUREMENT UNCERTAINTY(DEGREE)
1	0.000	0.00	0.000	0.0019
2	90.002	90.00	-0.002	0.0019
3	180.001	180.00	-0.001	0.0019
4	270.002	270.00	-0.002	0.0019
5	360.002	360.00	-0.002	1.0019

### USED UNCERTAINTY FORMULA

#### TYPE 'A' EVALUATION

$$S^2(T_i) = \frac{1}{n-1} \sum_{i=1}^n (T_i - \bar{T})^2$$

$T_i$  = Ten Measurement of DUC

$n$  = number of reading

#### TYPE 'B' EVALUATION

Uncertainty of master instrument

$$U_{b1} = a/k$$

Uncertainty of standard instrument

$$U_{b2} = a/k$$

Resolution of DUC

$$U_{b3} = a/\sqrt{3}$$

The Estimated Uncertainty to be associated with the result is calculated at a confidence level of approximately 95%. (K=2)

MUTHURAJ.G (Calibration Engineer)			C. RAHUL SELVAN (Tech.manager)	
CALIBRATED BY		PRINCIPAL	PSN COLLEGE OF ENGINEERING & TECHNOLOGY MELATHEDIYOOR, PALAYAMKOTTAI TALUK	

24 Hours Customer Support : 9751581183, Sales / Marketing : 8072488382





# HOUSE KEEPING MAINTENANCE



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HOUSE KEEPING AND MAINTENANCE STOCK REGISTER NOTE

Sl. no	PRODUCT NAME	QTY	IN STOCK
01	BLEACHING POWDER	2	80
02	DUST BINS	4	110
03	FLOOR CLEANER	5	45
04	LIQUID DETERGENT (SOAP OIL)	6	20
05	BUCKET	7	80
06	MORAM	8	25
07	MAT	9	60
08	CUSHION MAT	10	10
09	SPRAY BOTTLE	11	05
10	LIFEBUY HAND WASH	12	13
11	HAND SANITIZER	13	25
12	BROOM STICK	14	15
13	MUG	15	10
14	PHINEYL	16	30
15	TOILET BRUSH	17	30
16	SOAP STAND	18	20
17	TOWELS	19	25
18	DISHWASH BAR	20	100
19	SPONGE	21	50
20	FACE MASK	22	2000



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2 BLEACHING POWDER

DATE	ITEMS and	REC'D QTY	ISSUE QTY	BAL	INCHARGE SIGN	HOD SIGN
	Work in Place					
08/10/21	P. In Block bathroom cleaning. (MEN)	80	02	78	[Signature]	[Signature]
11/10/21	1 <sup>st</sup> Year Block Mens Bathroom cleaning	78	02	76	[Signature]	[Signature]
13/10/21	P. In Block Women bathroom cleaning	76	03	73	[Signature]	[Signature]
16/10/21	Main block bathroom cleaning Women	73	01	72	[Signature]	[Signature]
21/10/21	BHARATHI HOSTEL bathroom cleaning	72	10	62	[Signature]	[Signature]
02/11/21	NARMAHA HOSTEL cleaning	62	15	47	[Signature]	[Signature]
12/11/21	Mechanical department bathroom cleaning	47	05	42	[Signature]	[Signature]
18/11/21	EEE - 02 block cleaning	42	05	37	[Signature]	[Signature]
27/11/21	ECE department bathroom cleaning	37	02	35	[Signature]	[Signature]
03/12/21	Board Room bathroom cleaning	35	01	34	[Signature]	[Signature]
27/12/21	P. In Block bathroom cleaning	34	02	32	[Signature]	[Signature]
05/01/22	main office cleaning	32	01	31	[Signature]	[Signature]
07/01/22	1 <sup>st</sup> Year block cleaning	31	05	26	[Signature]	[Signature]
10/01/22	main block women bathroom cleaning	26	02	24	[Signature]	[Signature]
12/01/22	ANCHOR hostel cleaning work	24	05	19	[Signature]	[Signature]
16/01/22	Narmadha hostel cleaning work	19	10	09	[Signature]	[Signature]



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4 DUST BINS

FLOOR CLEANER 5

DATE	Work in Place	RECD	ISSUE	INCHARGE		HOD
		QTY	QTY	BAL	Sign	
09/10/21	1st year ground floor Labors	110	02	118	Mr	Dr
11/10/21	P.Ln block bathroom ground floor	118	04	114	Mr	Dr
15/10/21	P.Ln Auditorium Hall	114	10	104	Mr	Dr
18/10/21	BHARATHI Hostel	104	05	109	Mr	Dr
21/10/21	Main block ground floor E.D office	109	04	105	Mr	Dr
23/10/21	ground floor physics Lab	105	02	103	Mr	Dr
25/10/21	Narmadha girls hostel 3rd floor	103	10	93	Mr	Dr
29/10/21	Main office ground floor	93	05	88	Mr	Dr
07/11/21	Anchor hostel 2nd floor rooms	88	10	78	Mr	Dr
11/11/21	Chemistry Lab in main block	78	03	75	Mr	Dr
16/11/21	P.S.N canteen catter shop	75	05	70	Mr	Dr
18/11/21	Marine department ground floor	70	10	60	Mr	Dr
27/11/21	Anchor Hostel ground floor, 1st floor	60	10	50	Mr	Dr
03/12/21	EEF block 5th floor Lab	50	02	48	Mr	Dr
07/12/21	CIVIL department 1st floor	48	07	41	Mr	Dr
16/12/21	P.S.N MESS	41	03	38	Mr	Dr
20/12/21	I & A.C office	38	02	36	Mr	Dr
		31	-	31	-	98

DATE	Work in Place	RECD	ISSUED	BAL	INCHARGE	HOD
		QTY	QTY			
16/10/21	P.Ln Block 3rd floor and 2nd floor Lab cleaning	45	02	43	Mr	Dr
18/10/21	Main block E.D office Board Room and I & A.C office cleaning	43	03	40	Mr	Dr
29/10/21	1st year block ground and 2nd floor cleaning	40	05	35	Mr	Dr
01/12/21	Narmadha Womens hostel I, II and 3rd floor cleaning	35	10	25	Mr	Dr
07/12/21	Marine department 1st and Lab cleaning	25	02	23	Mr	Dr
17/12/21	Vivekanda auditorium cleaning Purfok	23	05	18	Mr	Dr
05/01/22	P.Ln Auditorium cleaning Purfok	18	03	15	Mr	Dr
08/01/22	P.S.N CATER cleaning work	15	06	09	Mr	Dr
17/01/22	Workshop mechanical cleaning work	09	02	07	Mr	Dr
17/01/22	Computer Lab cleaning work	07	03	04	Mr	Dr



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6. LIQUID DETERGENT (SODIUM)

BUCKET

7

DATE	Work in Place	RECD			ISSUED			DATE	Work in Place	RECD			ISSUED		
		QTY	QTY	BALANCE	QTY	QTY	BALANCE			QTY	QTY	BALANCE	QTY	QTY	BALANCE
17/10/21	Main office Windows screen Wash	20	02	18	NS	Jr	03/10/21	SOBES control all boilers and classrooms	80	20	60	NS	Jr		
27/10/21	E.D office room Window screen and Towels	18	01	17	NS	Jr	07/11/21	Main block ground floor all rooms and bathroom	60	15	45	NS	Jr		
13/11/21	Board room screen and cleaning	17	02	15	NS	Jr	09/11/21	Main bathroom	45	03	42	NS	Jr		
17/12/21	Computer Lab Screens cleaning	15	03	12	NS	Jr	05/12/21	Main office	42	02	40	NS	Jr		
23/12/21	Mechanical Lab cleaning	12	02	10	NS	Jr	07/12/21	Anchor hostel control floor and bathrooms	40	20	20	NS	Jr		
05/12/21	TCS and CSE Lab cotton cloths cleaning	10	05	05	NS	Jr	11/12/21	Library cleaning work	20	05	15	NS	Jr		
07/01/22	Dispensary bed cloth cleaning	05	05	00	NS	Jr	12/01/22	Bharathi hostel work	15	03	12	NS	Jr		



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Date	Work in Place	RECD		ISSUED	BALANCE	Incharge		Date	Work in Place	RECD		ISSUED	BALANCE	Incharge	
		QTY	QTY			Sign	Sign			QTY	QTY			Sign	Sign
02/10/21	Ist year classroom Entry	25	05	20	NR	Jr	Jr	02/11/21	Mechanical department class rooms and Labs	60	10	50	NR	Jr	Jr
10/10/21	P.in block bath room	20	02	18	NR	Jr	Jr	05/12/21	P.in block Ist, IInd and IIIrd floor rooms	50	15	35	NR	Jr	Jr
12/11/21	Main office Entrance	18	02	16	NR	Jr	Jr	07/01/22	Workshop	35	05	30	NR	Jr	Jr
27/11/21	CSE department Labs	16	06	10	NR	Jr	Jr	10/01/22	Bharathi hostel	30	10	20	NR	Jr	Jr
05/12/21	E.D office and board room entry	10	04	06	NR	Jr	Jr	11/01/22	Narmadha hostel	20	15	05	NR	Jr	Jr
06/01/22	Library	06	02	04	NR	Jr	Jr								
10/01/22	Anchor hostel Warden room	04	02	02	NR	Jr	Jr								



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12 LIFEBOY HAND WASH

HAND SANITIZER

13

Date	Work in Place	RECD		ISSUED		Incharge Sign	HOD Sign
		QTY	BAL	QTY	BAL		
05/10/21	Ist year block all bathrooms	13	08	05	08	<i>M</i>	<i>Ji</i>
07/11/21	Mechanical, EEE and ECE DEPT all bathrooms	08	03	05	03	<i>M</i>	<i>Ji</i>
05/02/22	Main office, and E.D office entrance bathrooms	03	01	02	01	<i>M</i>	<i>Ji</i>

Date	Work in Place	RECD		ISSUED		Incharge Sign	HOD Sign
		QTY	BAL	QTY	BAL		
17/10/21	EEE Classroom and Lab entrance	25	23	02	23	<i>M</i>	<i>Ji</i>
02/11/21	ECE and LABS	23	20	03	20	<i>M</i>	<i>Ji</i>
09/01/22	Main office entrance	20	16	04	16	<i>M</i>	<i>Ji</i>
11/01/22	P.G block class rooms	16	11	05	11	<i>M</i>	<i>Ji</i>

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Date	Work in Place	RECD	ISSUED	BAL	Incharge	
		QTY	QTY		Sign	Sign
07/11/21	Ist year block Ground floor	15	03	12	M	J
09/11/21	Main office	12	01	11	M	J
11/12/21	T.A.C. office	11	01	10	M	J
17/12/21	Chemistry Lab	10	02	08	M	J
19/12/21	Physics Lab	08	03	05	M	J
20/12/21	Work shop General	05	02	03	M	J
05/01/22	E.D office	03	01	02	M	J
09/01/22	Ist year Ground floor	02	02	-	M	J

Date	Work in Place	RECD	ISSUED	BAL	Incharge	
		QTY	QTY		Sign	Sign
09/11/21	Fin block front tank work	10	01	09	M	J
16/12/21	Marine department	09	04	05	M	J
05/01/22	E.E					
16/01/22	E.D office	05	02	03	M	J



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Date	Work in Place	RECD			ISSUED		Incharge	HOD	Date	Work in Place	RECD			ISSUED		Incharge	HOD
		QTY	QTY	BAL	QTY	QTY					QTY	QTY	BAL	QTY	QTY		
07/10/21	Marine department bathroom	30	02	28	M		J	02/11/21	MBA department	30	02	28	M			J	
09/11/21	mechanical department	28	03	25	M		J	07/12/21	Vivekanand auditorium	28	01	27	M			J	
11/01/22	CSE, ECG and EEE department	25	06	19	M		J	05/01/22	Board room	27	01	26	M			J	
								07/01/22	P.in auditorium	26	01	25	M			J	
								11/01/22	ED office	25	01	24	M			J	



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DATE	Work in Place	RECD			ISSUED		Incharge Sign	HOD Sign	Date	Work in Place	RECD			ISSUED		Incharge Sign	HOD Sign
		QTY	BAL	QTY	QTY	QTY					BAL	QTY	QTY				
05/12/21	PSN Coffee Shop	100	90	10		M		07/12/21	1st year HOD	50	46	4	04		M		
08/12/21	MESS	90	80	10		M		08/12/21	Mechanical dept	46	41	5	05		M		
07/12/21	PSN coffee Shop	80	70	10		M		11/12/21	EEE dept	41	36	5	05		M		
10/12/21	MESS	70	60	10		M		15/12/21	ECE dept	36	32	4	04		M		
								08/12/21	Main office	32	30	2	02		M		
								07/12/21	Board Room	30	29	1	01		M		
								11/12/21	Main Gate	29	28	1	01		M		



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Date	Work in place	REC'D	ISSUED	BAL	Sachan	Mad
		QTY	QTY		sign	sign
06/10/21	To: SOBES dept	2000	100	1900	M	J
07/12/21	To: marine dept	1900	200	1700	M	J
02/01/22	To: ECE dept	1700	100	1600	M	J
05/01/22	To: MBA	1600	100	1500	M	J
07/01/22	To: CSE	1500	100	1400	M	J
11/01/22	To: EEE	1400	100	1300	M	J
16/01/22	To: mech as Aho	1300	200	1100	M	J
17/01/22	To: mechanical	1100	100	1000	M	J



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# PRINTER, SCANNER AND COPIER MAINTENANCE





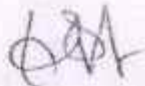



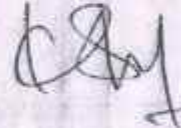

Maintenance Register - Printers/Scanners/Copiers

10	Date	Department/Division	Name of the Complaint	Parts replaced work done	Done by	HOD sign	Principal Sign.
	03/09/21	ED office	Printer - 337 Toner, Drum Problem.	Completed	Mr. Raja	for [Signature]	[Signature]
	03/09/21	Board Room	Printer - 12A Refill (Additional Drum)	Completed	Mr. Raja	for [Signature]	[Signature]
	03/09/21	Sobes / HoD Room	Printer - 88A Refill.	Completed	Mr. Raja	[Signature]	[Signature]
	26/08/21	ED Office	Printer - 337 Toner Refilled	Completed	Raja Stan	[Signature]	[Signature]
5	11/11/21	I year	Toner Refill Toner Drum Blade	Completed	Raja	[Signature]	[Signature]



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-	31/8/21	CSE	HP 1020 Printer Fregher Reborchanges	Compiled	Mr. Raja	
6	30/8/21	MBA	Tadlan fillim Printer Toner Sensor 12A Toner Refilling Dram & Blake	Compiled	Mr. Raja	
7	29/9/21	Solar Lab	88A Toner Refilling	"		
8.	27/11/21	Board Room	12A Toner Refilling	Compiled.	Mr. Raja	 
9	3/12/21	Main office	Brother Toner Refilling			



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10	6/12/21	Ed office	Canon Toner Refilling	Completed	
11	9/12/21	civil dept	toner cartridge summer level	Completed	P. m n.
12	18/12/21	ED office	HP Printer	12A Toner Refill	
13	22/12/21	COE	12A Toner Refilling	Completed	
14	31/12/21	CSE	HP 1020 printer motor Printer service	Completed	



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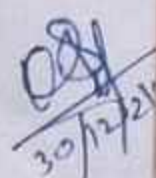
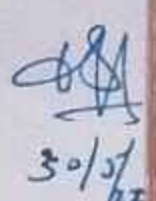
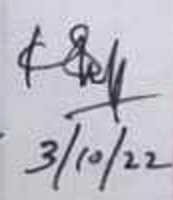



# RO PLANT MAINTENANCE



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S NO	DATE	NATURE OF THIS WORK	Amount	Sign
40	30.12.2021	RO plant full maintenance [carbon, Stone, Sand, Filter, membrane]	20,000	 30/12/21
41	27/5/22	RO plant - 2 inch wound (Filter - 2 replaced)	1300	 30/5/22
42	28/10/22	RO plant - 4 way mcb replaced.	1350	 3/10/22
43	20.03.22	R.O Plant - membrane, media, 20 Inm wound changed	17,000	 3/10/22


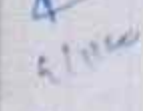
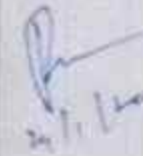
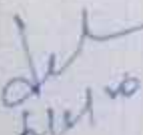
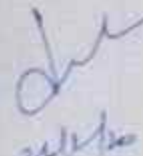
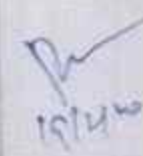
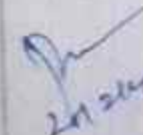


S.No	DATE	NATURE OF WORK	AMOUNT	SIGN
33)	22/01/20	Ro filter 16,500	16,500	A
34)	04/02/20	Ro mps 800	800	A
35)	25/02/20	Ro filter 16,500	16,500	A
36)	05/03/21	Film tech membership 1600	1600	A
37)	19/03/21	I.R filter 230	230	A



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S.No	Date	Nature of Work	Amount	Sign.
31	28/12/19	Ro Filter 16,500	16500	
32	4/1/20	IR Filter 230	230	
33	29/1/20	Ro housing 1000	1000	
34	4/2/20	Film tech membranes 1600	1600	
35	26/2/20	Ro pump 1600	1600	
36	29/2/20	IR Filter 230	230	
37	<del>24/2/21</del> 25/2/21	Film tech membrane 1600	1600	




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			Amount	Sign
32.	8/1/20	IR filter 2300	₹2300	
33.	22/1/20	RO plant filter 16,500	₹16,500	
34.	14/2/20	RO Housing + IR filter 1000                      230	₹1230	
35.	27/2/20	RO pump 1,600	₹1600	
36.	6/3/20	Film Tech membrane. 1,600	₹1,600	
37.	19/2/21	RO SMPS 800	₹800	
38.	16/3/21	RO plant filter 16,500	₹16,500	

Membrane charge

~~Plus~~ ~~X~~

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40.	27/4/22	RO plant filter charge. (2 filter)	1450	
41.	18/5/22	membrane, fiber ad joined	16,000	



NO	DATE	NATURE OF WORK	Amount
2.	19.12.22	Filter Change	Rs. 1300
18.	17/4/22	2 Filter Change.	
4	21/4/23	Ro Plant Service (Membrane, sand, stone, carbon changed)	17,180

201

~~17~~

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MELATHUR  
TAMIL NADU - 627 102.

S.NO	DATE	NATURE OF WORK	AMOUNT	SIGN
36.	26/02/21	I.R Filter 230	230	
37.	18/03/21	Film tech membrane 1,600	1,600	
38.	12/10/21	40/40 membrane 3/4, Bal valve 3/4, CPVC union 2 <sup>nd</sup> Filter Service charge	13,000 340 110 900 <hr/> 15,950	
39.	7/10/14	2 <sup>nd</sup> Inlet S Charge	900 + 350 <hr/> 1250	
40	1/12/21	Mumbai, CPVC S Pores - ① 3 - charge - ①	724	

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41.	23/3/22	Chemical wash 20 inch, wound (2 No)	5000 1100 <hr/> 6100	<del>Am</del> 23/3/22
42	09/05/22	Chemical Wash, Carbon, filter Charge <del>₹-</del> Total	7000 5000 <hr/> 12,000	Am 15/5/22
43	03/06/2022	Filter change (2 No's) chemical change and labour charge	1500 + 450 + 0 <hr/> 2450	King <del>₹</del>

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44.	16/6/2022	Sump Pump solvent wash valve etc.	14,600/- <del>₹</del>	Am 16/6/22
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45.	20/03/22	20 inch wound Filter (2 No's) labour charge	900 + 300 = Rs. 1200/-	Am 20/3/22
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46.	06/01/2023	Membrane, filter, drains, labour	Rs. 17,000	Am 06/1/23
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# ELECTRICAL MAINTENANCE



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S.NO	DATE	MAINTENANCE	AMOUNT
1.	14/10/22	Purchase materials	Rs. 7105.00
2.	25/10/22	Pvc Door Work	Rs. 1308.00
3.	28/10/22	Electrical Materials Purchase	Rs. 5695.00
4.	29/10/22	Purchase electrical & plumbing for Anchor Hostel Bharathi Hostel Mens Verandah and Anchor Hostel Corridor	Rs. 7213.00
5.	26/10/22	Anchor hostel electrical work	12 = 608/-
	27/10/22	labour salary	6 x 1300
	28/10/22	details.	Rs. 7800/-
	29/10/22		
6.	29/10/22	Bush and Turpentine oil for cot painting in Girls hostel.	Rs. 410.00
7.	1/11/22	Anchor hostel toilet cleaning 30.10.22. cheque from PCCF	Rs. 2500/-
8.	02/11/22	Paint material for Anchor & Girls hostel	

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S NO	DATE	MAINTENANCE	AMOUNT
9	04/12/22	Paint brush & emery sheet for Anchor hostel / purchase material	Rs 420/- ✓
10	2/12/22	Fan Winding work in Anchor hostel	Rs. 6780/-
11	05/11/22	Electrical Work in the Anchor's Girl's & street light	Rs 6500/-
12	31/10/22	COT Painting work in girl's hostel	Rs. 3520/-
13	21/10/22	COT Painting work in girl's hostel	Rs. 6270/-
14	31/10/22	purchased western tank for bath room work in the Anchor Hostel	Rs 6700/-
15	11/11/22	Mr. Mani + 12 no. of new PVC at Bharathi hostel cheque from IE(I) a/c	Rs. 20400/-
16	15/11/22	Toilet cleaning work cheque from IE(I) a/c.	Rs. 65,530/-
17	18/11/22	purchased Inverter and Battery for Bharathi hostel Mers cheque from fire & safety a/c	Rs. 11,000/-
18	19/10/22	purchased electrical & plumbing material for girl's hostel cheque from IE(I) a/c	Rs. 2567/-



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# LIBRARY MAINTENANCE



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E-Mail: principal@psnacet.ac.in

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58					59				
SNo	DATE	NAME OF THE EQUIPMENT	SUPPLIER BY	QUANTITY	NATURE OF INVENT. AS PER	DETAILS OF PARTS REPLACED/ DETAILS OF SERVICE	VALUE	SIGNATURE OF JOURNAL	Principal
01	26.07.22	Balance (Stationery Paper)	Shivani Books Polymarketing	44	Yes		1700.00	Handwritten signature	Principal
02	28.07.22	Printer	Kajal Star Digital Technology Palaniyamal	01	Printing the letter cartridge for HP Laser Jet 1020		300.00	Handwritten signature	Principal
03	28	Colour Print	CC Kerox	07	Change Repair for G. Mantha		70.00	Handwritten signature	Principal
04	28	Blue Ink, Red, Gold and Normal color dispensers	Amazon	01	Purchased		1,160.00	Handwritten signature	Principal
05	28	Exide 12V/20Ah 200 Wattless System	Secandary Home System	20	Purchased		15,000.00	Handwritten signature	Principal
06	22.09.22	Service charges for repair & maintenance of online test (Repair of 'biometric' online test library)		1	Service		4,500.00	Handwritten signature	Principal
07	16.09.22	Books	Purchased	05	Purchased		775.00	Handwritten signature	Principal
08	22.09.22	Electrical materials	Purchased	10	Power System		411.00	Handwritten signature	Principal

*(Handwritten Signature)*  
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# SEWAGE TREATMENT PLANT MAINTENANCE



*Handwritten signature*

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PSNCFE

# STP Monthly Statement - July 2022

Month & Year	Raw effluent Transfer Two pumps Running Hours	Air Blowers Two pumps Running Hours	Filter Feed Two pumps Running Hours	Filter Back wash Running Hours	Total Running Hours	Sodium HYPO CLORIN USE (IN KGS)	Power cost
01.07.22 TO 31.07.22	0245 Hours	0432 Hours	0388 Hours	013.30 Hours	01679 Hours	080 Kg	0280 Kwh
01.08.22 TO 31.08.22	0235 hours	0416 Hour	0416 Hour	013 hours	01080 Hours	025 Kg	0466 hours
01.09.22 TO 31.09.22	0230 Hours	0384 Hour	0378 Hour	011.30 Hour	01014 Hours	70 Kg	0113 hours
01.10.22 TO 31.10.22	0220 Hours	0380 Hour	0365 Hour	010 Hours	0975 Hour	065 Kg	070 hours
01.11.22 TO 30.11.22	0275 Hours	0448 Hour	0375 Hour	011.5 Hour	01110.5 Hours	058 Kg	075 Hours
01.12.22 TO 31.12.22	0260 Hours	0416 Hours	0406 Hour	013 Hours	01095 Hours	048 Kg	0114 Hours

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13/7/22



