

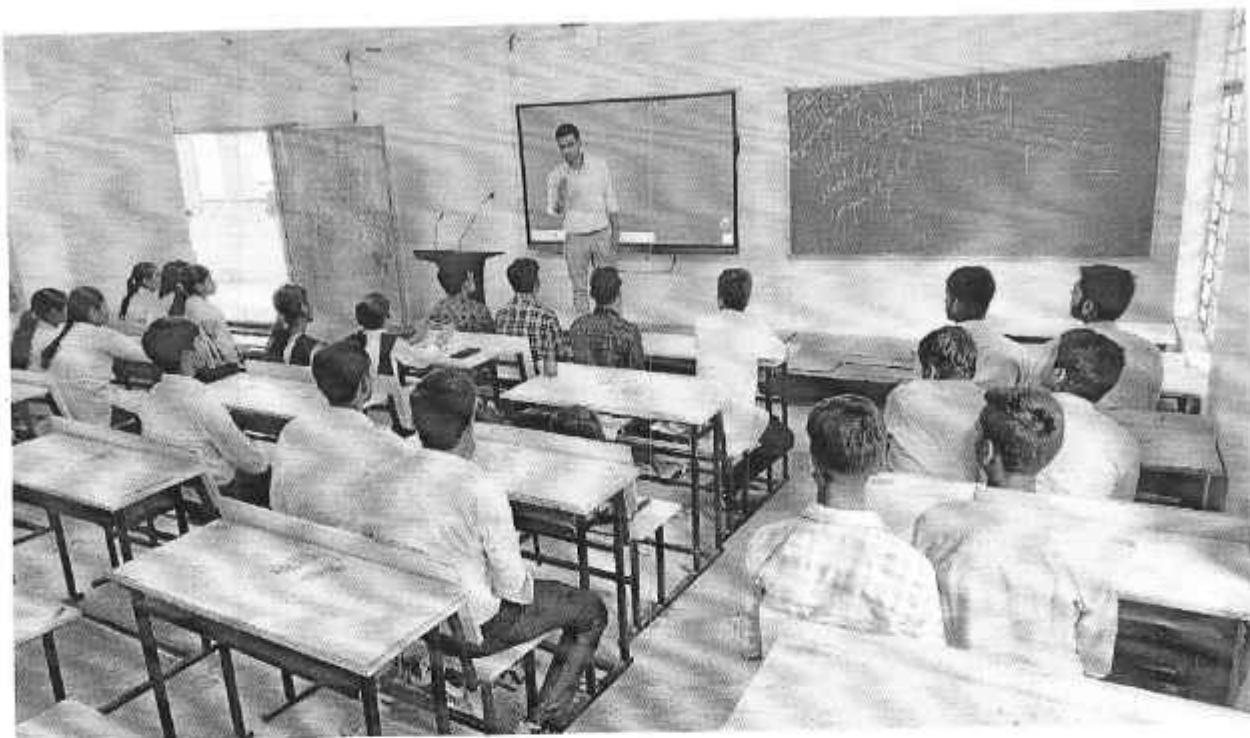
## FACILITIES AND TECHNICAL SUPPORT (100)

### **6.1 Availability of adequate, well equipped classrooms to meet the curriculum requirements (10 Marks)**

In line with AICTE norms, our Electrical Engineering department at **Govt. Polytechnic Lakhisarai** is equipped with sample and well-furnished classrooms. These facilities are thoughtfully designed to cater to the specific curriculum requirements of the department, ensuring a conducive learning environment for our students.

| SI NO. | Class Room                            | Carpet Area | Shared / Exclusive | Seating Capacity | Availability of Smart facilities          | Weekly utilization n |
|--------|---------------------------------------|-------------|--------------------|------------------|-------------------------------------------|----------------------|
| 1      | Room No:-208 ( Smart class room )     | 69.75sqm    | Exclusive          | 50               | Smart Board Marker & AC, SMART PODIUM     | 6 Days               |
| 2      | Room No:-107 ( 2nd Year )             | 146.10sqm   | Exclusive          | 80               | Green board , Chalk, podium               | 6 Days               |
| 3      | Room No:-105 ( 3rd Year )             | 97.18sqm    | Exclusive          | 60               | White board , Chalk, Podium               | 6 Days               |
| 4      | Room No:-113 ( 1st Year )             | 91.105sqm   | Exclusive          | 60               | Green board , Chalk, Podium & smart board | 6 Days               |
| 5      | Conference Hall (Room No-119)         | 90.49sqm    | Shared             | 50               | Interactive Panel                         | Once in a Week       |
| 6      | HOD Room (Room No-114) (Subodh kumar) | 18.39sqm    | Exclusive          | 01               | Notice board                              | 6 Days               |
| 7      | Faculty Room (Room No-209)            | 21.03sqm    | Exclusive          | 02               | Notice board                              | 6 Days               |

  
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## 6.2 Availability of adequate and well-equipped workshops, Laboratories and Technical manpower to meet the curriculum requirements (40 Marks)

### A. Adequacy (10 Marks)

At Govt. Polytechnic Lakhisarai, the Department of Electrical Engineering ensures the availability of well-equipped laboratories and workshops to meet the curriculum requirements. Adequate provisions are in place:

**Efficient Equipment:** All laboratories are furnished with efficient equipment, enabling students to conduct practical work during scheduled hours and beyond based on their interests. Both SBTE curriculum-prescribed experiments and additional ones are conducted, enriching the students' practical knowledge.

**Organized Storage:** Equipment and consumables are stored in designated racks for easy access by faculty, technicians, and students.

**Facility and Notice Boards:** The laboratories are equipped with sufficient furniture, blackboards, and notice boards for effective teaching and information dissemination. Internet LAN /Wi-Fi connections are provided as needed.

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| S.NO. | Name of the Laboratory                            | No of Experiment | Room No. | Availability of Equipment for experiment | Adequacy     |
|-------|---------------------------------------------------|------------------|----------|------------------------------------------|--------------|
| 1.    | Applied Physics Lab-I                             | 12               | 12A      | Available                                | Satisfactory |
| 2.    | Applied Chemistry Lab                             | 12               | 11A      | Available                                | Satisfactory |
| 3.    | Communication Skills in English Lab               | 21               | 211      | Available                                | Satisfactory |
| 4.    | Applied Physics Lab-II                            | 14               | 12B      | Available                                | Satisfactory |
| 5.    | Introduction to IT Systems Lab                    | 12               | 214      | Available                                | Satisfactory |
| 6.    | Fundamental Electrical & Electronics Engg. Lab    | 09               | 112A     | Available                                | Satisfactory |
| 7.    | Engg. Mechanics Lab                               | 12               | 110      | Available                                | Satisfactory |
| 9.    | Electrical Circuit and Networks                   | 14               | 112C     | Available                                | Satisfactory |
| 10.   | Electrical and Electronic Measurements Laboratory | 15               | 112B     | Available                                | Satisfactory |
| 11.   | DC MACHINE & TRANSFORMER LAB                      | 14               | 15A      | Available                                | Satisfactory |
| 12.   | Power Electronics Laboratory                      | 07               | 205A     | Available                                | Satisfactory |



|     |                                                          |    |      |           |              |
|-----|----------------------------------------------------------|----|------|-----------|--------------|
| 13. | AC MACHINE LAB                                           | 11 | 15B  | Available | Satisfactory |
| 14. | MATLAB                                                   | 09 | 203  | Available | Satisfactory |
| 15. | Electric Vehicles Lab (Basics)                           | 04 | 203  | Available | Satisfactory |
| 16. | Microprocessor & Microcontroller Applications Laboratory | 09 | 111B | Available | Satisfactory |
| 17. | Electric Vehicles (Advance) Lab                          | 08 | 203  | Available | Satisfactory |
| 18. | Robotics                                                 | 15 | 207  | Available | Satisfactory |

#### **B. Quality of Labs/workshop (20)**

The emphasis is on the quality and practical application of knowledge in the laboratories and workshops:

##### **Importance of Practical Work:**

Laboratories take precedence over theoretical classes as they allow students to engage in application-oriented practical work.

##### **Student Involvement:**

Students actively participate in practical work under the guidance of faculty members, and they maintain observation notes, ensuring immediate faculty review.

##### **Safety and Cleanliness:**

Cleanliness and safety are paramount. Safety measures, including water cans, first aid boxes, and fire extinguishers, are maintained, and students are required to adhere to safety attire and practices.

##### **Information Display:**

Display boards conveying do's and don'ts, the list of experiments (syllabus), and equipment specifications are provided to enhance student awareness.



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| S. No. | Name of the Laboratory                                                                   | No. of student per setup<br>(Batch Size) | Name of the important equipment<br>(costing more than Rs.30,000)                                                                                                                                                                            | Weekly utilization status(all the course for which the lab is utilized) |
|--------|------------------------------------------------------------------------------------------|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| 1.     | Applied Physics Lab(I&II)                                                                | 30                                       | All Types of Machines Materials, and Equipments used in Applied Physics Lab                                                                                                                                                                 | 100                                                                     |
| 2.     | Applied Chemistry Lab(I&II)                                                              | 30                                       | All Types of Machines Materials, Chemicals and Equipments used in Applied Chemistry Lab                                                                                                                                                     | 100                                                                     |
| 3.     | Communication Skills in English Lab                                                      | 30                                       | No. of Computers – 5No. of licensed software – 50 (uTalk, Sky Pronunciation, Sanako Pronounce, Tense Tester, and Sanako Study 1200)No. of Webcams – 50No. of Headphones – 50LCD Screen – 0White Board – 1Power Backup System (UPS) – 10 KVA | 100                                                                     |
| 4      | ICT Tool Lab/ Web Technology Lab/ Python Programming Lab/ Introduction to IT Systems Lab | 30                                       | All system equipped with latest ICT Tool, MS Office, Python Programming, F it & C Programming.                                                                                                                                              | 100                                                                     |
| 5      | Fundamental of Electrical & Electronics Engg. Lab                                        | 30                                       | All Types of Machines and Equipments used in Basic Electrical and Electronics Engg. Lab                                                                                                                                                     | 100                                                                     |
| 6      | Engg. Drawing Lab                                                                        | 30                                       | Drawing Board                                                                                                                                                                                                                               | 100                                                                     |
| 7      | WELDING Lab                                                                              | 30                                       | Virtual and Reality Welding Simulator(All types of Welding)<br>Electric Arc Welding m/c, Spot Welding m/c, Gas Welding Machine                                                                                                              | 100                                                                     |
| 8      | CARPENTRY SHOP                                                                           | 30                                       | Power Hacksaw Machine, Carpentry Bench Vice & Tools Related to Carpentry Shop                                                                                                                                                               | 100                                                                     |
| 9      | Fitting Shop                                                                             | 30                                       | Bench Drilling Machine,                                                                                                                                                                                                                     | 100                                                                     |

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|     |                           |    | Bench Grinding Machine, Bench Vice, and Tools Related to Fitting Shop                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |     |
| 10  | MACHINE SHOP              | 30 | Manual Lathe Machine,<br>Shaper Machine, Universal Milling Machine,<br>Power Hacksaw, Surface Grinding, Grinder,<br>Vertical Drilling Machine,<br>Pillar Drilling Machine                                                                                                                                                                                                                                                                                                                                                                                                                                      | 100 |
| 11. | Engineering mechanics Lab | 30 | Compound Pendulum, Jib Crane, Screw Jack, Moment of Inertia of Flywheel, Triangle & Parallelogram of forces Apparatus, Universal Force Table ( slotted weights & pulleys. ), Deflection of Beam Apparatus (With Weights), Friction Slide Apparatus, Combined Inclined Plane and Friction Slide Combined Inclined Plane and Friction Slide Apparatus, Pulley System Different Type Pulley System, Worm & Worm Wheel. Single With Weight, Worm & Worm Wheel. Double With Weight, Wheel & Differential Axel - 30cm With Weight, Whinch Crab Single Purchase with Weight, Whinch Crab Double Purchase with Weight, | 100 |
| 12  | Robotics                  | 30 | 8051 Microcontroller Kit, Conveyor with PLC Trainer, Mobile Robot Platform, Ultimate Code Robotic Platform, 6 axis ARM, Robotic Research Platform, Robotic Platform With Arm, Robotic Advance Kit, Robotic Junior Kit, Robotic Self Learning Kit, Waspnote Kit, Swarm Robot, Diagnostic Software for all Reasearch Robot.                                                                                                                                                                                                                                                                                      | 100 |
| 13  | Power Electronics lab     |    | Thyristor (SCR) Trainer Kit, Step Up Chopper Trainer Kit, Step Down Chopper Trainer Kit, I-S Parallel Inverter Trainer Kit Using SCR, I-S Series Inverter Trainer Kit Using SCR ,Battery Charger Experimental Kit Using SCR ,Experimental Kit For Speed Controlled Dc Series Motor                                                                                                                                                                                                                                                                                                                             | 100 |

|     |                                                      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |
|-----|------------------------------------------------------|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|     |                                                      |    | SCR Based, Nd Converters<br>Experimental Kit, Characteristics of<br>IGBT Trainer Kit, Characteristics of<br>Traic Trainer Kit, Forced<br>commutation Circuit (A,B,C,D and E)<br>Trainer Kit, IGBT, SCR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |
| 14  | MP & MC Lab                                          |    | MICROPROCESSOR TRAINING KIT –<br>8086, MICROCONTROLLER TRAINING<br>KIT – 8051                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 100 |
| 15  | Electrical Measurement<br>and Instrumentation<br>lab |    | Industrial kelvin double bridge,<br>Wheatstone bridge ,Dual range single<br>phase dynamometer type portable<br>wattmeter, DC Ammeter, DC<br>Voltmeter, AC Voltmeter, AC<br>Ammeter, Single Phase Variac ,<br>Moving Iron Ammeter, Moving Coil<br>Ammeter, Moving Iron Voltmeter<br>,Moving Coil Voltmeter,<br>Digital/energy meter, Potential<br>Transformer, Megger, Maxwell<br>bridge, Schering's Bridge, Digital<br>Voltmeter, Galvanometer                                                                                                                                                                                                                                                                                                                                                                                                               | 100 |
| 16. | Electric Machine lab                                 | 30 | Control panel for SINGLE PHASE<br>Transformer for OC and SC test,<br>Single phase transformer-<br>2,Autotransformer,Loading rheostat<br>2kw single phase in 8 steps, Control<br>panel for DC Shunt generator, Control<br>panel for DC Series generator, MG<br>SET -2, DOL Starter (for Induction<br>Motor) trainer kit, induction motor,<br>Experimental kit for speed control of<br>Induction motor PWM/CSI, Control<br>Panel for loa d test of SCIM With<br>motor, Load test of DC Series motor<br>panel with motor, to Plot V curve of a<br>Synchronous motor with motor,3<br>phase transformer 3 KVAC ,Control<br>Panel for star delta connection on 3<br>phase transformer trainer, loading<br>Rheostat three phase 1.5 kw in four<br>step, variable Auto Transformer (3<br>phase), control panel for load test on<br>single phase transformer trainer, | 100 |
| 17. | Electrical Circuits lab.                             | 30 | Thevenin theorem kit, Super position                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 100 |

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|-----|---------------------------------------|----|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|     |                                       |    | theorem kit, CRO, multimeter                                                                                                                               |     |
| 18. | Switch Gear & protection lab.         | 30 | Miniature Circuit breaker trainer kit, IDMT over current relay testing kit, Circuit breaker trainer kit, Air circuit breaker trainer kit, MOCB trainer kit | 100 |
| 19  | Electric Vehicle Lab(Basic & advance) | 30 | EV Training System, BLDC Training Motor, PMDC Trainer Motor, Battery Characteristics Trainer, Battery Management System Trainer.                           | 100 |

**C. Technical Manpower support –Eligible and Adequate (10 Marks)**

The department is supported by eligible and adequate technical manpower, ensuring that students receive guidance and assistance as needed in the laboratories. Faculty members and technical support staff work together to create a conducive and knowledge-rich environment for our students.

At Government Polytechnic Lakhisarai, we are committed to providing students in the Department of Electrical Engineering with well-equipped quality laboratories and the necessary technical support to meet their curriculum requirements, fostering a dynamic and hands-on learning experience.

| Sl. NO. | Technical Manpower Support  |               |                                                            |
|---------|-----------------------------|---------------|------------------------------------------------------------|
|         | Name of the technical staff | Designation   | Qualification                                              |
| 1.      | Mr. kumar harsh             | Lab Assistant | Diploma+ B.Tech.(EEE)( Leave institute on Date-05.05.2025) |
| 2.      | Mr. Rahul Kumar             | Lab Assistant | Diploma+ B.Tech.(ECE)                                      |
| 3.      | Mr. Ankit Kr. Patel         | Lab Assistant | Diploma                                                    |
| 4.      | Miss. Priyanka Kumari       | Lab Assistant | B. Tech in Mechanical Engg.                                |
| 5.      | Mr. Amit Pratap             | Lab Assistant | Diploma in Mechanical Engg.                                |
| 6.      | Shri Kumar Bhaskar          | Lab Assistant | M. Sc in Chemistry                                         |
| 7.      | Shri Rahul Kumar            | Lab Assistant | Diploma in CSE                                             |
| 8.      | Shri Suraj Kumar            | Lab Assistant | B. Sc in Physics                                           |
| 9.      | Shri Rahul Raj              | Lab Assistant | Diploma in Electronics Engg.                               |
| 10.     | Shri Nikhil Kumar           | Instructor    | ITI                                                        |
| 11.     | Mr. Shidhant Kumar          | Instructor    | ITI                                                        |

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|-----|------------------------|------------|-----|
| 12. | Mr. Shashant Kumar     | Instructor | ITI |
| 13  | Shri Bipin Kumar Singh | Instructor | ITI |
| 14  | Shri Chandan Kumar Ray | Instructor | ITI |
| 15  | Shri Bibhash Kumar     | Instructor | ITI |
| 16  | Shri Manikant Kumar    | Instructor | ITI |

| S. No. | Name of the Laboratory                                                                   | No. of student per setup (Batch Size) | Name of the important equipment (costing more than Rs.30,000)                                                                                                                                                                               | Weekly utilization status(all the course for which the lab is utilized) |
|--------|------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| 1.     | Applied Physics Lab(I&II)                                                                | 30                                    | All Types of Machines Materials, and Equipments used in Applied Physics Lab                                                                                                                                                                 | 100                                                                     |
| 2.     | Applied Chemistry Lab(I&II)                                                              | 30                                    | All Types of Machines Materials, Chemicals and Equipments used in Applied Chemistry Lab                                                                                                                                                     | 100                                                                     |
| 3.     | Communication Skills in English Lab                                                      | 30                                    | No. of Computers – 5No. of licensed software – 50 (uTalk, Sky Pronunciation, Sanako Pronounce, Tense Tester, and Sanako Study 1200)No. of Webcams – 50No. of Headphones – 50LCD Screen – 0White Board – 1Power Backup System (UPS) – 10 KVA | 100                                                                     |
| 4      | ICT Tool Lab/ Web Technology Lab/ Python Programming Lab/ Introduction to IT Systems Lab | 30                                    | All system equipped with latest ICT Tool, MS Office, Python Programming, F it & C Programming.                                                                                                                                              | 100                                                                     |
| 5      | Fundamental of Electrical & Electronics Engg. Lab                                        | 30                                    | All Types of Machines and Equipments used in Basic Electrical and Electronics Engg. Lab                                                                                                                                                     | 100                                                                     |
| 6      | Engg. Drawing Lab                                                                        | 30                                    | Drawing Board                                                                                                                                                                                                                               | 100                                                                     |
| 7      | WELDING Lab                                                                              | 30                                    | Virtual and Reality Welding Simulator(All types of Welding)<br>Electric Arc Welding m/c, Spot Welding m/c, Gas Welding Machine                                                                                                              | 100                                                                     |
| 8      | CARPENTRY SHOP                                                                           | 30                                    | Power Hacksaw Machine, Carpentry Bench Vice & Tools Related to Carpentry Shop                                                                                                                                                               | 100                                                                     |
| 9      | Fitting Shop                                                                             | 30                                    | Bench Drilling Machine,<br><br>Bench Grinding Machine, Bench Vice, and Tools Related to Fitting Shop                                                                                                                                        | 100                                                                     |

  
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| 10  | MACHINE SHOP                                   | 30 | Manual Lathe Machine, Shaper Machine, Universal Milling Machine, Power Hacksaw, Surface Grinding, Grinder, Vertical Drilling Machine, Pillar Drilling Machine                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 100 |
| 11. | Engineering mechanics Lab                      | 30 | Compound Pendulum, Jib Crane, Screw Jack, Moment of Inertia of Flywheel, Triangle & Parallelogram of forces Apparatus, Universal Force Table ( slotted weights & pulleys. ), Deflection of Beam Apparatus (With Weights), Friction Slide Apparatus, Combined Inclined Plane and Friction Slide Combined Inclined Plane and Friction Slide Apparatus, Pulley System Different Type Pulley System, Worm & Worm Wheel. Single With Weight, Worm & Worm Wheel. Double With Weight, Wheel & Differential Axel - 30cm With Weight, Whinch Crab Single Purchase with Weight, Whinch Crab Double Purchase with Weight, | 100 |
| 12  | Robotics                                       | 30 | 8051 Microcontroller Kit, Conveyor with PLC Trainer, Mobile Robot Platform, Ultimate Code Robotic Platform, 6 axis ARM, Robotic Research Platform, Robotic Platform With Arm, Robotic Advance Kit, Robotic Junior Kit, Robotic Self Learning Kit, Waspnote Kit, Swarm Robot, Diagnostic Software for all Reasearch Robot.                                                                                                                                                                                                                                                                                      | 100 |
| 13  | Power Electronics lab                          |    | Thyristor (SCR) Trainer Kit, Step Up Chopper Trainer Kit, Step Down Chopper Trainer Kit, I-S Parallel Inverter Trainer Kit Using SCR, I-S Series Inverter Trainer Kit Using SCR ,Battery Charger Experimental Kit Using SCR ,Experimental Kit For Speed Controlled Dc Series Motor SCR Based,Nd Converters Experimental Kit, Characteristics of IGBT Trainer Kit, Characteristics of Traic Trainer Kit, Forced commuatation Circuit (A,B,C,D and E) Trainer Kit, IGBT, SCR                                                                                                                                     | 100 |
| 14  | MP &MC Lab                                     |    | MICROPROCESSOR TRAINING KIT – 8086, MICROCONTROLLER TRAINING KIT – 8051                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 100 |
| 15  | Electrical Measurement and Instrumentation lab |    | Industrial kelvin double bridge, Wheatstone bridge ,Dual range single phase dynamometer type portable wattmeter, DC Ammeter, DC Voltmeter, AC Voltmeter, AC Ammeter, Single Phase Variac , Moving Iron Ammeter, Moving                                                                                                                                                                                                                                                                                                                                                                                         | 100 |

|     |                                       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |     |
|-----|---------------------------------------|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|     |                                       |    | Coil Ammeter, Moving Iron Voltmeter, Moving Coil Voltmeter, Digital/energy meter, Potential Transformer, Megger, Maxwell bridge, Schering's Bridge, Digital Voltmeter, Galvanometer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |
| 16. | Electric Machine lab                  | 30 | Control panel for SINGLE PHASE Transformer for OC and SC test, Single phase transformer-2, Autotransformer, Loading rheostat 2kw single phase in 8 steps, Control panel for DC Shunt generator, Control panel for DC Series generator, MG SET -2, DOL Starter (for Induction Motor) trainer kit, induction motor, Experimental kit for speed control of Induction motor PWM/CSI, Control Panel for load test of SCIM With motor, Load test of DC Series motor panel with motor, to Plot V curve of a Synchronous motor with motor, 3 phase transformer 3 KVAC, Control Panel for star delta connection on 3 phase transformer trainer, loading Rheostat three phase 1.5 kw in four step, variable Auto Transformer (3 phase), control panel for load test on single phase transformer trainer, | 100 |
| 17. | Electrical Circuits lab.              | 30 | Thevenin theorem kit, Super position theorem kit, CRO, multimeter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 100 |
| 18. | Switch Gear & protection lab.         | 30 | Miniature Circuit breaker trainer kit, IDMT over current relay testing kit, Circuit breaker trainer kit, Air circuit breaker trainer kit, MOCB trainer kit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 100 |
| 19  | Electric Vehicle Lab(Basic & advance) | 30 | EV Training System, BLDC Training Motor, PMDC Trainer Motor, Battery Characteristics Trainer, Battery Management System Trainer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 100 |

  
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### 6.3 Additional facilities created for improving the quality of learning experience in laboratories (20 Marks)

#### A. Facilities (10 Marks)

In pursuit of enhancing the quality of the learning experience within laboratory settings, our institution has embarked on a comprehensive endeavor to establish state-of-the-art facilities. The New facilities are designed to provide students with an enriched and engaging educational environment.

The following are some of the key features and facilities introduced:

| S. No. | Facility Name        | Details                                                                                                     |
|--------|----------------------|-------------------------------------------------------------------------------------------------------------|
| 1      | Industrial Visit     | Various Mechanical industries                                                                               |
| 2      | Centre of Excellence | Electric Vehicle(Spoke) & Robotics(Hub)                                                                     |
| 3      | E-Yantra Lab         | 3D Printings<br>Robotics                                                                                    |
| 4      | KYP Lab              | Learning of Soft skill and basic computer knowledge                                                         |
| 5      | Spoken Tutorial      | Learning of Different tools related to Engg. Skills.                                                        |
| 6      | CISCO                | Learning of Foundational Knowledge and Practical Skills in Building configuring and troubleshooting Network |

#### B. Effective Utilization (5 Marks)

It is not enough to merely introduce new facilities; ensuring their effective utilization is equally crucial.

| S. No. | Facility Name        | Details                                                              | Reason(S) for creating facility                                                                             | Utilization                                                                           |
|--------|----------------------|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 1      | CAD Lab              | Computer-aided design facilities for 2D and 3D drafting and analysis | To enable students to use advanced computer-aided drafting and design software for engineering applications | Research activities, UG projects, product designing, and engineering analysis         |
| 2      | Industrial Visit     | Exposure to various mechanical and manufacturing industries          | To familiarize students with real-time Industrial practices and working environments                        | Practical learning, industry exposure, and experiential understanding                 |
| 3      | Centre of Excellence | Electric Vehicle and Robotics systems                                | To enhance students' advanced technical knowledge in Electric Vehicles and robotic system design            | Hands-on training, skill development, and advanced experimentation in EV and robotics |
| 4      | E-Yantra Lab         | 3D printing and robotics facilities                                  | To develop students' expertise                                                                              | Practical training in 3D printing                                                     |

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|   |         |                                                   | in additive manufacturing and robotic applications                           | technology and robotics                                                       |
| 5 | KYP Lab | Soft skills training and basic computer education | To improve communication skills and strengthen fundamental computer literacy | Development of soft skills, personality development, and basic IT proficiency |

**C. Relevance to POs/PSOs (5 Marks)**

| S. No. | Facility Name        | Details                                                              | Reason(s) for Creating facility                                                                             | Relevance to POs/PSOs                    |
|--------|----------------------|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------|
| 1      | CAD Lab              | Computer-aided design facilities for 2D and 3D drafting and analysis | To enable students to use advanced computer-aided drafting and design software for engineering applications | PO1, PO2, PO3, PO4, PO5, PO7, PSO1, PSO2 |
| 2      | Industrial Visit     | Exposure to various mechanical and manufacturing industries          | To familiarize students with real-time industrial practices and working environments                        | PO1, PO2, PO3, PO4, PO5, PO7, PSO1, PSO2 |
| 3      | Centre of Excellence | Electric Vehicle and Robotics systems                                | To enhance students' advanced technical knowledge in Electric Vehicles and robotic system design            | PO1, PO2, PO3, PO4, PO7, PSO1, PSO2      |
| 4      | E-Yantra Lab         | 3D printing and robotics facilities                                  | To develop students' expertise in additive manufacturing and robotic applications                           | PO1, PO2, PO3, PO4                       |
| 5      | KYP Lab              | Soft skills training and basic computer education                    | To improve communication skills and strengthen fundamental computer literacy                                | PO1, PO6, PO7                            |

| S. No. | Facility Name    | Details                                                              | Reason(s) for Creating Facility                                                                             | Relevance to POs/PSOs                    | Utilization                                                                                                    | Areas of Enhanced Student Learning                                                                                    |
|--------|------------------|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| 1      | CAD Lab          | Computer-aided design facilities for 2D and 3D drafting and analysis | To enable students to use advanced computer-aided drafting and design software for engineering applications | PO1, PO2, PO3, PO4, PO5, PO7, PSO1, PSO2 | Design of machine components, modeling and simulation, UG projects, research work, technical skill development | Engineering drawing skills, design thinking, problem analysis, use of modern engineering tools, product visualization |
| 2      | Industrial Visit | Exposure to various mechanical                                       | To familiarize students with real-time                                                                      | PO1, PO2, PO3, PO4, PO5, PO7,            | Observation of industrial processes,                                                                           | Practical knowledge, industry                                                                                         |

  
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|---|----------------------|---------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
|   |                      | and manufacturing industries                      | industrial practices and working environments                                                    | PSO1, PSO2                          | interaction with industry professionals, understanding production systems                       | awareness, professional ethics, teamwork, understanding of real-world engineering constraints                                     |
| 3 | Centre of Excellence | Electric Vehicle and Robotics systems             | To enhance students' advanced technical knowledge in Electric Vehicles and robotic system design | PO1, PO2, PO3, PO4, PO7, PSO1, PSO2 | Hands-on training, skill certification programs, mini and major projects, innovation activities | Emerging technology knowledge, system integration skills, problem-solving ability, interdisciplinary learning, innovation mindset |
| 4 | E-Yantra Lab         | 3D printing and robotics facilities               | To develop students' expertise in additive manufacturing and robotic applications                | PO1, PO2, PO3, PO4                  | Prototyping of components, robotics programming, participation in competitions and workshops    | Design optimization, manufacturing process understanding, creativity, automation skills, application-based learning               |
| 5 | KYP Lab              | Soft skills training and basic computer education | To improve communication skills and strengthen fundamental computer literacy                     | PO1, PO6, PO7                       | Soft skill training sessions, computer literacy programs, personality development activities    | Communication skills, teamwork, ethical awareness, digital literacy, professional behavior                                        |

#### 6.4 Laboratories: Maintenance and overall ambiance (10 Marks)

Laboratories Maintenance and overall ambiance:-

Maintenance:-

- Laboratory and equipment maintenance is carried out on a regular basis to ensure smooth academic and practical activities.
- Major maintenance and servicing of laboratory equipment are conducted at the end of every semester.
- Each laboratory is supported by dedicated technical staff and a faculty in-charge.

  
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- The laboratory attendant ensures proper functioning and routine maintenance of equipment under the guidance of the faculty in-charge.
- Immediate corrective action is taken in case of any machine or equipment breakdown.
- Periodic inspection and calibration of laboratory equipment are managed by the technical staff in coordination with the faculty in-charge.
- Regular oiling and greasing of machines are carried out to maintain operational efficiency and extend equipment life.
- Safety rules and precautionary measures are clearly displayed in all laboratories.
- Laboratory manuals and safety instructions are available in each laboratory to ensure quality and standardized practices.
- The Head of the Department and laboratory supervisors provide continuous support and monitoring for regular maintenance activities.

#### **Safety measures in laboratories –**

- Safety instructions and precautionary guidelines are prominently displayed in all laboratories for easy reference.
- Equipment manuals containing detailed safety norms are readily available within the laboratories.
- Fire extinguishers are installed at strategically identified and easily accessible locations.
- Laboratories are designed with an adequate number of entry and exit points to ensure safe and quick evacuation during emergencies.
- Essential personal protective equipment such as aprons, gloves, safety goggles, rubber mats, and proper electrical earthing are provided wherever necessary.
- Electrical safety is ensured through the installation of protective devices such as Miniature Circuit Breakers (MCBs) and Air Circuit Breakers (ACBs).

#### **6.5 Availability of computing facility in the department (10 Marks)**

| Sr. No | No Of Computer terminals | Students Computer Ratio | Details of Legal Software  | Details of Networking | Details of Printers, Scanners etc. |
|--------|--------------------------|-------------------------|----------------------------|-----------------------|------------------------------------|
| 1      | 30                       | 1:1                     | AutoCAD, Catia, SolidWorks | 500mbps, BSNL         | Scanner-3, Printer-5               |

#### **6.6 Language lab (10 Marks)**

Language lab is available for the student of 1<sup>st</sup> & 2<sup>nd</sup> semester students with following facilities:

No. of Computer- 50

No. of licensed software- 50(u Talk, Sky Pronunciation, Sanako Pronounce, Tense Tester and Sanako Study 1200)

  
**H.O.D**  
 Department of  
 Electrical Engineering  
 G

No. of webcam- 50

No. of headphone- 50

LCD Screen- 0

White board- 1

Power backup system (UPS)- 10KVA

| No. of<br>Computer<br>terminals per<br>Student | Computer ratio | No. of hours<br>Week |  | Beneficiaries                                             |
|------------------------------------------------|----------------|----------------------|--|-----------------------------------------------------------|
| 50                                             | 1:1            | 3 Hrs                |  | 1 <sup>st</sup> &<br>2 <sup>nd</sup> Semester<br>Students |

 **H.O.D**  
Department of  
Electrical Engineering  
Govt. Polytechnic, La'nisarai

**Office of the Principal**  
**Govt. Polytechnic Lakhisarai - 811311**

Letter No.- 187

Date:- 10.02.2024

From,

Principal  
Govt. Polytechnic Lakhisarai

To,

SANAKO Education India Pvt. Ltd.  
New Delhi- 110017

Subject - Supply SANAKO Software Platform+ SANAKO SLH07 Headset

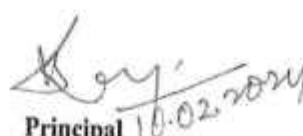
Sir,

Please refer to your quotation on dated- 09/02/2024 and supply the item as mentioned below as per government estimated approved rates within 10 days from the date of order.

1. This is being Govt. Office, entitled to pay taxes (Central and State) at the applicable rates, necessary declaration will be issued along with the payment, all kind of applicable taxes has to be clearly mentioned in the invoice.
2. The article must be supplied as per prescribed specification, size, quality and brand and also as per requirement and quotation. It also must contain any other accessories and related item to run the specified items. If any deviation will be found, the supply order must be cancelled and no any compensation will be paid to the supplier.
3. The article must be brand new of same model and make as mentioned in order/quotation.
4. You will have to kindly install, demonstrate the functioning of item in the office of the undersigned at your cost.
5. Payment will be made after successful demonstration, commissioning and installation of the item.
6. If any deviation will be found in the specification of the item, the supply order will be cancelled and no compensation will be paid.
7. The price of the item will be inclusive of all taxes, demonstration and commissioning or installation expenses and FDR.
8. In invoice BST/CST/TOT/GST should be mentioned separately.
9. The item should be of standard and good quality.
10. Invoice should be in two original copies.

Enclosure :-

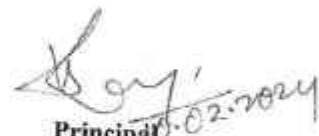
1. List of item should be supply.

  
Principal 10.02.2024  
Govt. Polytechnic Lakhisarai  
Principal  
Govt. Polytechnic, Lakhisarai

  
H.O.D  
Department of  
Electrical Engineering  
Govt. Polytechnic Lakhisarai

**Govt. Polytechnic Lakhisarai**  
**List of item to be Supplied**

| Si. No. | Item Name                                                      | Specification                    | Quantity | Total Amount<br>in Rs. with all<br>taxes |
|---------|----------------------------------------------------------------|----------------------------------|----------|------------------------------------------|
| 1       | SANAKO<br>Software<br>platform +<br>SANAKO<br>SLH07<br>Headset | As mentioned in<br>the Quotation | 50       | 492800.00                                |

  
Principal  
Govt. Polytechnic Lakhisarai

  
H.O.D  
Department of  
Electrical Engineering  
Govt. Polytechnic, Lakhisarai

Principal  
Govt. Polytechnic, Lakhisarai



Sanako Education India Pvt Ltd  
419, 4th Floor, Rectangle I, Saket  
New Delhi-110017

## Invoice

**BILL TO:**

The Principal  
Government Polytechnic  
Lakshi Sarai

GST No:

Mode of Delivery Onsite

DATE:

01-03-2024

Tax Invoice No.

SIN/1272

TIN No

07606902565

PAN -

AAOCS7753D

GSTIN No.

07AAOCS7753D120

State Code

07

Due date

Advance

HSN Code

998434

SAC Code

Your order Number

Letter No - 187 Dated - 10-2-2024

Customer Names

| DESCRIPTION                                  | Qty          | AMOUNT              |
|----------------------------------------------|--------------|---------------------|
| Sanako Software Platform                     | 50           | 208814              |
|                                              |              |                     |
|                                              |              |                     |
| Account Name: Sanako Education India Pvt Ltd |              |                     |
| Account No : 59219999169878                  |              |                     |
| Bank : HDFC Bank, Sector 63, Noida           |              |                     |
| IFSC Code - HDFC0000975                      |              |                     |
|                                              | SUBTOTAL     | Rs. 2,08,814        |
|                                              | CGST 9%      | Rs. 0               |
|                                              | SGST 9%      | Rs. 0               |
|                                              | IGST 18%     | Rs. 37,586          |
|                                              | <b>TOTAL</b> | <b>Rs. 2,46,400</b> |

Rupees Two Lakh Forty Six Thousand Four Hundred Only

Make all cheques payable to  
Sanako Education India Pvt. Ltd.

Authorised Signatory

If you have any questions about this tax invoice, please contact :

Vivek Gupta vivekgupta@sanako.com +91-9999169878

Thank You !

E&OE

  
**H.O.D**  
Department of  
Electrical Engineering  
Govt. Polytechnic, Lakshisarai



## Product License

### Thank You for Purchasing a SANAKO Product

Registering your software will ensure that you to receive free information on the latest product upgrades and updates by email.

### Getting Technical Support

For Technical support, please contact your local reseller.

You can also visit [sanako.com/support](http://sanako.com/support) for user documentation, knowledge base and downloads or contact SANAKO support by email through our web site by filling a support request form. You can contact SANAKO support by sending an email to [vivek.gupta@sanako.com](mailto:vivek.gupta@sanako.com)/[suprabhat.jha@sanako.com](mailto:suprabhat.jha@sanako.com)

### Join the Sanako User Club and Discussion Forum

Get the access to teaching materials, case studies, white papers and more!

The discussion Forum offers educators the opportunity to interact and share experience with other users of Sanako educational technology.

### Here is your License information:

Product Name and Version number:

| Product Name                 | Version | Token                         | Quantity |
|------------------------------|---------|-------------------------------|----------|
| Sanako Study Language Lab    | 9.X     | S1209-95559-29437-7745A-5AF46 | 50       |
|                              |         | S1209-D48F4-53AAF-F24FB-09EEE |          |
|                              |         | S1209-6EA64-C7AEF-E449C-188A1 |          |
|                              |         | S1209-39793-5D7CF-AEFEF-4B077 |          |
| Sanako Pronounce with editor | 2.x     | PRON2-4FE25-BCE37-8E4A4-AAFA7 | 50       |
| Pronounce Activity           |         | TUTPR-0707A-4520C-DF4EA-79274 | 50       |
| English Content              |         | COBOT-BD63D-1F7B4-49489-58CDD | 50       |

Customer Name:

Govt. Polytechnic, Lakhisarai

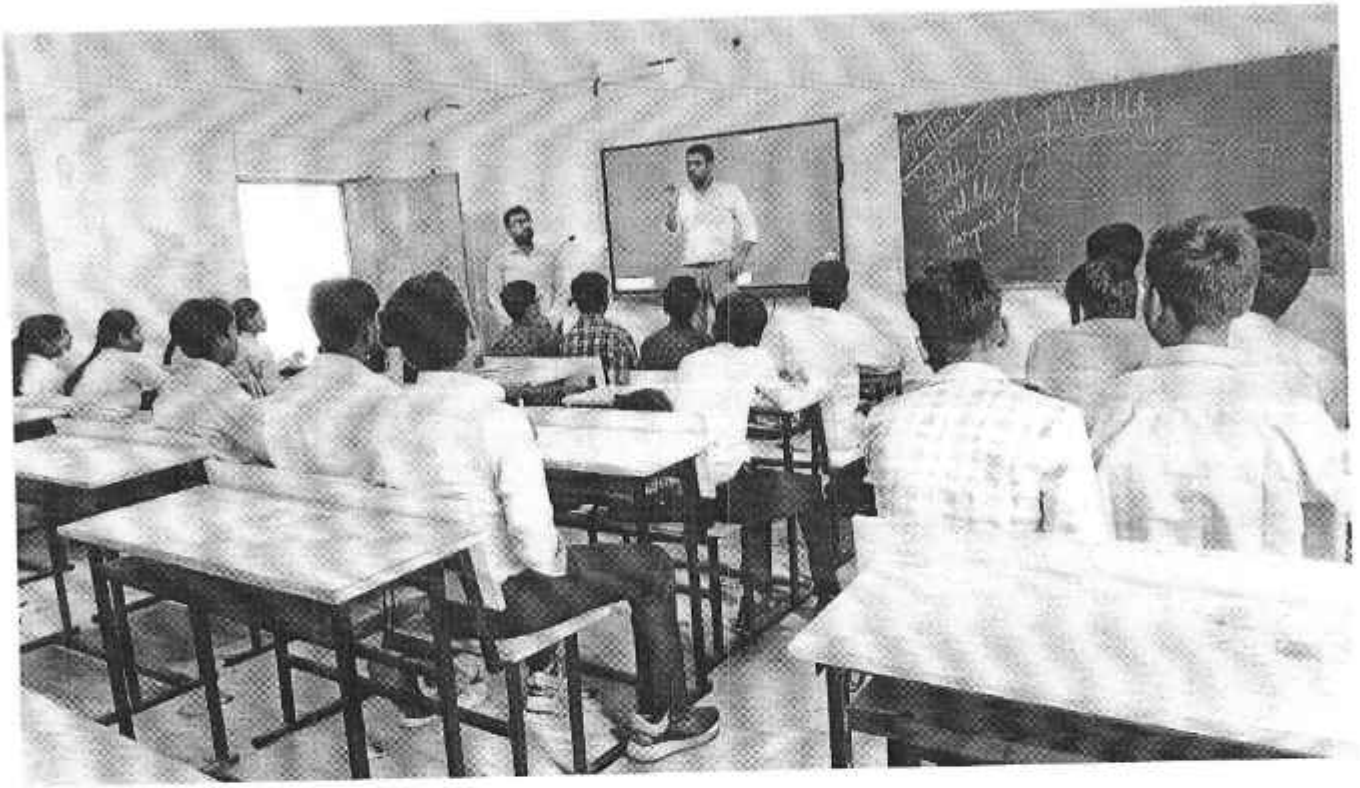
  
**H.O.D**  
Department of  
Electrical Engineering  
Govt. Polytechnic, La<sup>h</sup>isarai

**GOVERNMENT POLYTECHNIC LAKHISARAI**  
**DEPT. OF ELECTRICAL ENGG.**  
 LIST OF CLASSROOM & FACULTY ROOM

| SI NO. | Class Room                                  | Carpet Area | Shared / Exclusive | Seating Capacity | Availability of Smart facilities                | Weekly utilization |
|--------|---------------------------------------------|-------------|--------------------|------------------|-------------------------------------------------|--------------------|
| 1      | Room No: -208<br>( Smart class room )       | 69.75sqm    | Exclusive          | 50               | Smart Board<br>Marker &<br>AC, SMART<br>PODIUM  | 6 Days             |
| 2      | Room No: -107<br>(2nd Year )                | 146.10sqm   | Exclusive          | 80               | Green board ,<br>Chalk, podium                  | 6 Days             |
| 3      | Room No: -105<br>( 3rd Year )               | 97.18sqm    | Exclusive          | 60               | White board ,<br>Chalk,<br>Podium               | 6 Days             |
| 4      | Room No:-113<br>( 1st Year )                | 91.105sqm   | Exclusive          | 60               | Green board , Chalk,<br>Podium & smart<br>board | 6 Days             |
| 5      | Conference Hall<br>(Room No-119)            | 90.49sqm    | Shared             | 50               | Interactive Panel                               | Once in a<br>Week  |
| 6      | HOD Room<br>(Room No-114)<br>(Subodh kumar) | 18.39sqm    | Exclusive          | 01               | Notice board                                    | 6 Days             |
| 7      | Faculty Room<br>(Room No-209)               | 21.03sqm    | Exclusive          | 02               | Notice board                                    | 6 Days             |

  
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 Electrical Engineering  
 Govt. Polytechnic, La'nisara

**GOVERNMENT POLYTECHNIC LAKHISARAI**  
**DEPT. OF ELECTRICAL ENGG.**  
LIST OF CLASSROOM & FACULTY ROOM



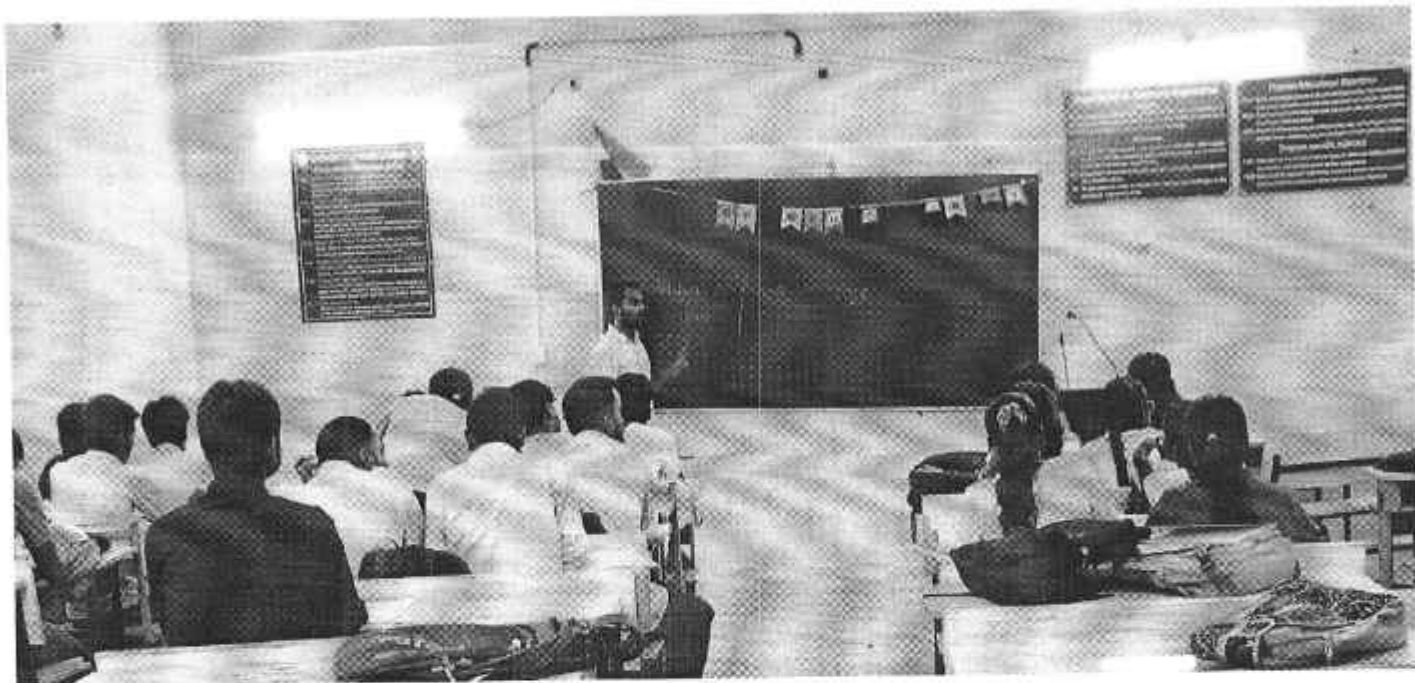
ROOM NO- 113 (1<sup>ST</sup> YEAR)



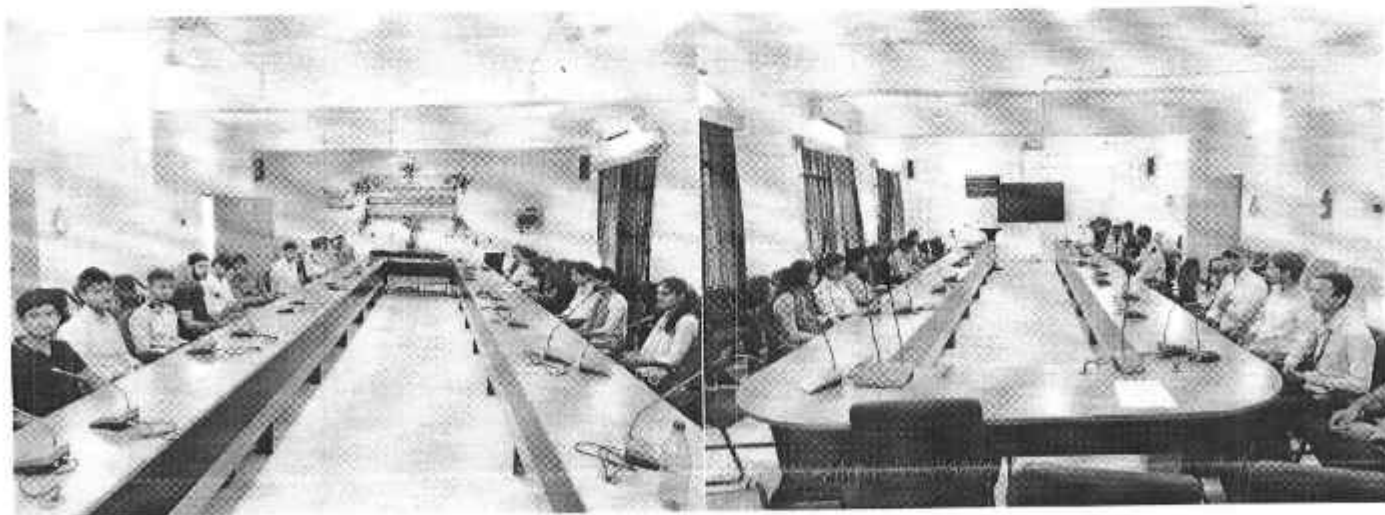
ROOM NO- 107 (2<sup>ND</sup> YEAR)

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Department of  
Electrical Engineering  
Govt. Polytechnic Lakhisarai

**GOVERNMENT POLYTECHNIC LAKHISARAI**  
**DEPT. OF ELECTRICAL ENGG.**  
LIST OF CLASSROOM & FACULTY ROOM



ROOM NO- 105 (3<sup>RD</sup> YEAR)



Conference Hall (Room No-11G)

 **H.O.D**  
Department of  
Electrical Engineering  
Govt. Polytechnic, Lakhisarai

**GOVERNMENT POLYTECHNIC LAKHISARAI**  
**DEPT. OF ELECTRICAL ENGG.**  
LIST OF CLASSROOM & FACULTY ROOM



**Departmental Library**



**HOD ROOM (ROOM NO- 114)**

 **H.O.D**  
Department of  
Electrical Engineering  
Govt. Polytechnic, Lakhisarai

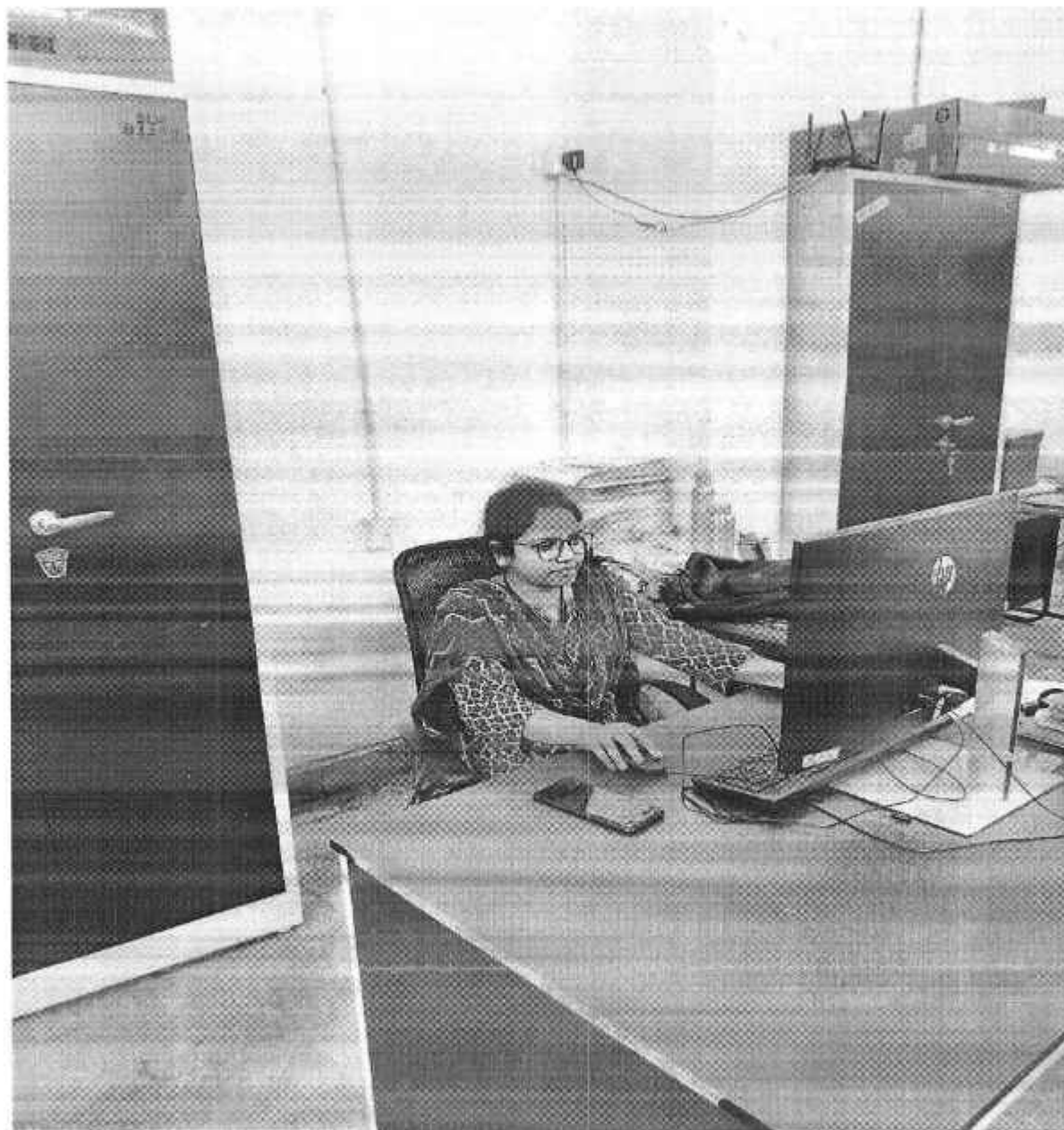
**GOVERNMENT POLYTECHNIC LAKHISARAI**  
**DEPT. OF ELECTRICAL ENGG.**  
LIST OF CLASSROOM & FACULTY ROOM



FACULTY ROOM (ROOM NO – 209)

 H.O.D  
Department of  
Electrical Engineering  
Govt. Polytechnic, Lakhisarai

**GOVERNMENT POLYTECHNIC LAKHISARAI**  
**DEPT. OF ELECTRICAL ENGG.**  
LIST OF CLASSROOM & FACULTY ROOM



**FACULTY ROOM (ROOM NO – 209)**

  
H.O.D  
Department of  
Electrical Engineering  
Govt. Polytechnic, Lakhisarai

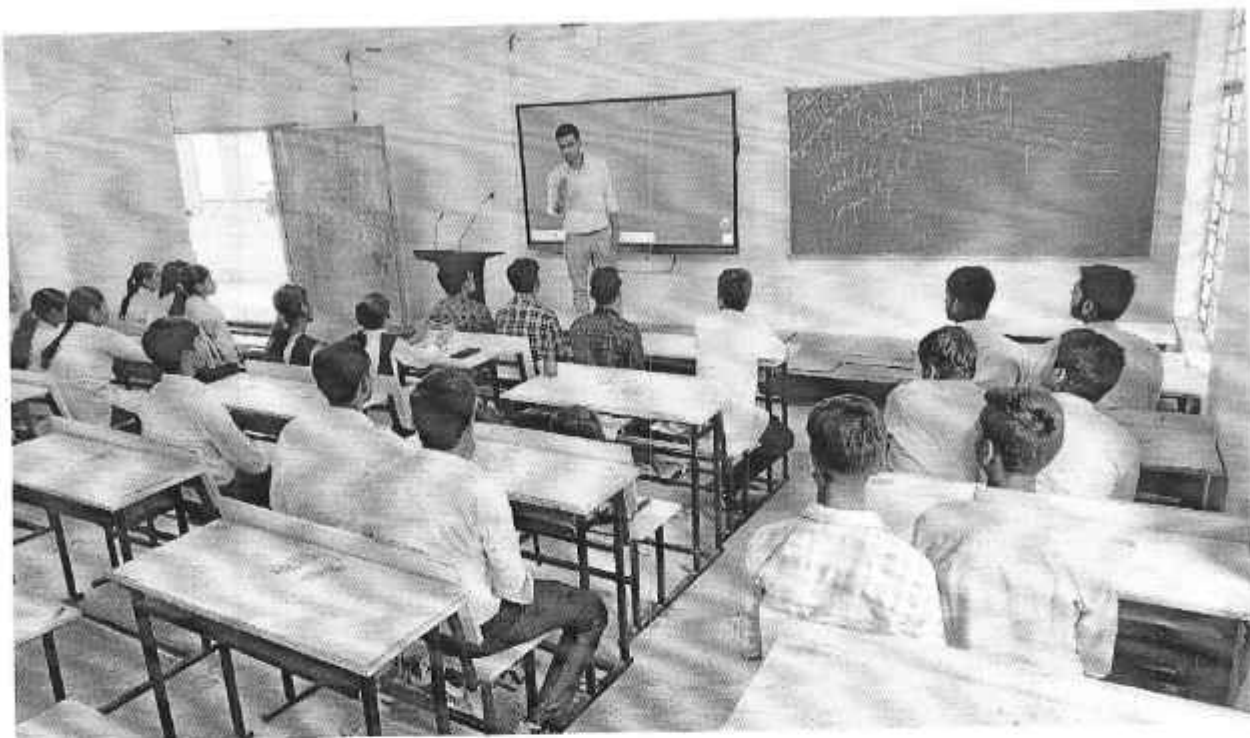
## FACILITIES AND TECHNICAL SUPPORT (100)

### **6.1 Availability of adequate, well equipped classrooms to meet the curriculum requirements (10 Marks)**

In line with AICTE norms, our Electrical Engineering department at **Govt. Polytechnic Lakhisarai** is equipped with sample and well-furnished classrooms. These facilities are thoughtfully designed to cater to the specific curriculum requirements of the department, ensuring a conducive learning environment for our students.

| SI NO. | Class Room                            | Carpet Area | Shared / Exclusive | Seating Capacity | Availability of Smart facilities          | Weekly utilization n |
|--------|---------------------------------------|-------------|--------------------|------------------|-------------------------------------------|----------------------|
| 1      | Room No:-208 ( Smart class room )     | 69.75sqm    | Exclusive          | 50               | Smart Board Marker & AC, SMART PODIUM     | 6 Days               |
| 2      | Room No:-107 ( 2nd Year )             | 146.10sqm   | Exclusive          | 80               | Green board , Chalk, podium               | 6 Days               |
| 3      | Room No:-105 ( 3rd Year )             | 97.18sqm    | Exclusive          | 60               | White board , Chalk, Podium               | 6 Days               |
| 4      | Room No:-113 ( 1st Year )             | 91.105sqm   | Exclusive          | 60               | Green board , Chalk, Podium & smart board | 6 Days               |
| 5      | Conference Hall (Room No-119)         | 90.49sqm    | Shared             | 50               | Interactive Panel                         | Once in a Week       |
| 6      | HOD Room (Room No-114) (Subodh kumar) | 18.39sqm    | Exclusive          | 01               | Notice board                              | 6 Days               |
| 7      | Faculty Room (Room No-209)            | 21.03sqm    | Exclusive          | 02               | Notice board                              | 6 Days               |

  
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Department of  
Electrical Engineering  
Govt. Polytechnic Lakhisarai



## 6.2 Availability of adequate and well-equipped workshops, Laboratories and Technical manpower to meet the curriculum requirements (40 Marks)

### A. Adequacy (10 Marks)

At Govt. Polytechnic Lakhisarai, the Department of Electrical Engineering ensures the availability of well-equipped laboratories and workshops to meet the curriculum requirements. Adequate provisions are in place:

**Efficient Equipment:** All laboratories are furnished with efficient equipment, enabling students to conduct practical work during scheduled hours and beyond based on their interests. Both SBTE curriculum-prescribed experiments and additional ones are conducted, enriching the students' practical knowledge.

**Organized Storage:** Equipment and consumables are stored in designated racks for easy access by faculty, technicians, and students.

**Facility and Notice Boards:** The laboratories are equipped with sufficient furniture, blackboards, and notice boards for effective teaching and information dissemination. Internet LAN /Wi-Fi connections are provided as needed.

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Department of  
Electrical Engineering  
Govt. Polytechnic, Lakhisarai

| S.NO. | Name of the Laboratory                            | No of Experiment | Room No. | Availability of Equipment for experiment | Adequacy     |
|-------|---------------------------------------------------|------------------|----------|------------------------------------------|--------------|
| 1.    | Applied Physics Lab-I                             | 12               | 12A      | Available                                | Satisfactory |
| 2.    | Applied Chemistry Lab                             | 12               | 11A      | Available                                | Satisfactory |
| 3.    | Communication Skills in English Lab               | 21               | 211      | Available                                | Satisfactory |
| 4.    | Applied Physics Lab-II                            | 14               | 12B      | Available                                | Satisfactory |
| 5.    | Introduction to IT Systems Lab                    | 12               | 214      | Available                                | Satisfactory |
| 6.    | Fundamental Electrical & Electronics Engg. Lab    | 09               | 112A     | Available                                | Satisfactory |
| 7.    | Engg. Mechanics Lab                               | 12               | 110      | Available                                | Satisfactory |
| 9.    | Electrical Circuit and Networks                   | 14               | 112C     | Available                                | Satisfactory |
| 10.   | Electrical and Electronic Measurements Laboratory | 15               | 112B     | Available                                | Satisfactory |
| 11.   | DC MACHINE & TRANSFORMER LAB                      | 14               | 15A      | Available                                | Satisfactory |
| 12.   | Power Electronics Laboratory                      | 07               | 205A     | Available                                | Satisfactory |



|     |                                                          |    |      |           |              |
|-----|----------------------------------------------------------|----|------|-----------|--------------|
| 13. | AC MACHINE LAB                                           | 11 | 15B  | Available | Satisfactory |
| 14. | MATLAB                                                   | 09 | 203  | Available | Satisfactory |
| 15. | Electric Vehicles Lab (Basics)                           | 04 | 203  | Available | Satisfactory |
| 16. | Microprocessor & Microcontroller Applications Laboratory | 09 | 111B | Available | Satisfactory |
| 17. | Electric Vehicles (Advance) Lab                          | 08 | 203  | Available | Satisfactory |
| 18. | Robotics                                                 | 15 | 207  | Available | Satisfactory |

#### **B. Quality of Labs/workshop (20)**

The emphasis is on the quality and practical application of knowledge in the laboratories and workshops:

##### **Importance of Practical Work:**

Laboratories take precedence over theoretical classes as they allow students to engage in application-oriented practical work.

##### **Student Involvement:**

Students actively participate in practical work under the guidance of faculty members, and they maintain observation notes, ensuring immediate faculty review.

##### **Safety and Cleanliness:**

Cleanliness and safety are paramount. Safety measures, including water cans, first aid boxes, and fire extinguishers, are maintained, and students are required to adhere to safety attire and practices.

##### **Information Display:**

Display boards conveying do's and don'ts, the list of experiments (syllabus), and equipment specifications are provided to enhance student awareness.



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Department of  
Electrical Engineering  
Govt. Polytechnic, Lalnisara

| S. No. | Name of the Laboratory                                                                   | No. of student per setup<br>(Batch Size) | Name of the important equipment<br>(costing more than Rs.30,000)                                                                                                                                                                            | Weekly utilization status(all the course for which the lab is utilized) |
|--------|------------------------------------------------------------------------------------------|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| 1.     | Applied Physics Lab(I&II)                                                                | 30                                       | All Types of Machines Materials, and Equipments used in Applied Physics Lab                                                                                                                                                                 | 100                                                                     |
| 2.     | Applied Chemistry Lab(I&II)                                                              | 30                                       | All Types of Machines Materials, Chemicals and Equipments used in Applied Chemistry Lab                                                                                                                                                     | 100                                                                     |
| 3.     | Communication Skills in English Lab                                                      | 30                                       | No. of Computers – 5No. of licensed software – 50 (uTalk, Sky Pronunciation, Sanako Pronounce, Tense Tester, and Sanako Study 1200)No. of Webcams – 50No. of Headphones – 50LCD Screen – 0White Board – 1Power Backup System (UPS) – 10 KVA | 100                                                                     |
| 4      | ICT Tool Lab/ Web Technology Lab/ Python Programming Lab/ Introduction to IT Systems Lab | 30                                       | All system equipped with latest ICT Tool, MS Office, Python Programming, F it & C Programming.                                                                                                                                              | 100                                                                     |
| 5      | Fundamental of Electrical & Electronics Engg. Lab                                        | 30                                       | All Types of Machines and Equipments used in Basic Electrical and Electronics Engg. Lab                                                                                                                                                     | 100                                                                     |
| 6      | Engg. Drawing Lab                                                                        | 30                                       | Drawing Board                                                                                                                                                                                                                               | 100                                                                     |
| 7      | WELDING Lab                                                                              | 30                                       | Virtual and Reality Welding Simulator(All types of Welding)<br>Electric Arc Welding m/c, Spot Welding m/c, Gas Welding Machine                                                                                                              | 100                                                                     |
| 8      | CARPENTRY SHOP                                                                           | 30                                       | Power Hacksaw Machine, Carpentry Bench Vice & Tools Related to Carpentry Shop                                                                                                                                                               | 100                                                                     |
| 9      | Fitting Shop                                                                             | 30                                       | Bench Drilling Machine,                                                                                                                                                                                                                     | 100                                                                     |

**H.O.D**

Department of  
Electrical Engineering  
Govt. Polytechnic, Laxmi, Jharkhand

|     |                           |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |     |
|-----|---------------------------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|     |                           |    | Bench Grinding Machine, Bench Vice, and Tools Related to Fitting Shop                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |     |
| 10  | MACHINE SHOP              | 30 | Manual Lathe Machine,<br>Shaper Machine, Universal Milling Machine,<br>Power Hacksaw, Surface Grinding, Grinder,<br>Vertical Drilling Machine,<br>Pillar Drilling Machine                                                                                                                                                                                                                                                                                                                                                                                                                                      | 100 |
| 11. | Engineering mechanics Lab | 30 | Compound Pendulum, Jib Crane, Screw Jack, Moment of Inertia of Flywheel, Triangle & Parallelogram of forces Apparatus, Universal Force Table ( slotted weights & pulleys. ), Deflection of Beam Apparatus (With Weights), Friction Slide Apparatus, Combined Inclined Plane and Friction Slide Combined Inclined Plane and Friction Slide Apparatus, Pulley System Different Type Pulley System, Worm & Worm Wheel. Single With Weight, Worm & Worm Wheel. Double With Weight, Wheel & Differential Axel - 30cm With Weight, Whinch Crab Single Purchase with Weight, Whinch Crab Double Purchase with Weight, | 100 |
| 12  | Robotics                  | 30 | 8051 Microcontroller Kit, Conveyor with PLC Trainer, Mobile Robot Platform, Ultimate Code Robotic Platform, 6 axis ARM, Robotic Research Platform, Robotic Platform With Arm, Robotic Advance Kit, Robotic Junior Kit, Robotic Self Learning Kit, Waspnote Kit, Swarm Robot, Diagnostic Software for all Reasearch Robot.                                                                                                                                                                                                                                                                                      | 100 |
| 13  | Power Electronics lab     |    | Thyristor (SCR) Trainer Kit, Step Up Chopper Trainer Kit, Step Down Chopper Trainer Kit, I-S Parallel Inverter Trainer Kit Using SCR, I-S Series Inverter Trainer Kit Using SCR ,Battery Charger Experimental Kit Using SCR ,Experimental Kit For Speed Controlled Dc Series Motor                                                                                                                                                                                                                                                                                                                             | 100 |

|     |                                                      |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |
|-----|------------------------------------------------------|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|     |                                                      |    | SCR Based, Nd Converters<br>Experimental Kit, Characteristics of<br>IGBT Trainer Kit, Characteristics of<br>Traic Trainer Kit, Forced<br>commutation Circuit (A,B,C,D and E)<br>Trainer Kit, IGBT, SCR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |
| 14  | MP & MC Lab                                          |    | MICROPROCESSOR TRAINING KIT –<br>8086, MICROCONTROLLER TRAINING<br>KIT – 8051                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 100 |
| 15  | Electrical Measurement<br>and Instrumentation<br>lab |    | Industrial kelvin double bridge,<br>Wheatstone bridge ,Dual range single<br>phase dynamometer type portable<br>wattmeter, DC Ammeter, DC<br>Voltmeter, AC Voltmeter, AC<br>Ammeter, Single Phase Variac ,<br>Moving Iron Ammeter, Moving Coil<br>Ammeter, Moving Iron Voltmeter<br>,Moving Coil Voltmeter,<br>Digital/energy meter, Potential<br>Transformer, Megger, Maxwell<br>bridge, Schering's Bridge, Digital<br>Voltmeter, Galvanometer                                                                                                                                                                                                                                                                                                                                                                                                               | 100 |
| 16. | Electric Machine lab                                 | 30 | Control panel for SINGLE PHASE<br>Transformer for OC and SC test,<br>Single phase transformer-<br>2,Autotransformer,Loading rheostat<br>2kw single phase in 8 steps, Control<br>panel for DC Shunt generator, Control<br>panel for DC Series generator, MG<br>SET -2, DOL Starter (for Induction<br>Motor) trainer kit, induction motor,<br>Experimental kit for speed control of<br>Induction motor PWM/CSI, Control<br>Panel for loa d test of SCIM With<br>motor, Load test of DC Series motor<br>panel with motor, to Plot V curve of a<br>Synchronous motor with motor,3<br>phase transformer 3 KVAC ,Control<br>Panel for star delta connection on 3<br>phase transformer trainer, loading<br>Rheostat three phase 1.5 kw in four<br>step, variable Auto Transformer (3<br>phase), control panel for load test on<br>single phase transformer trainer, | 100 |
| 17. | Electrical Circuits lab.                             | 30 | Thevenin theorem kit, Super position                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 100 |

**H.O.D**  
  
 Department of  
 Electrical Engineering  
 Govt. Polytechnic La' 21

|     |                                       |    |                                                                                                                                                            |     |
|-----|---------------------------------------|----|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|     |                                       |    | theorem kit, CRO, multimeter                                                                                                                               |     |
| 18. | Switch Gear & protection lab.         | 30 | Miniature Circuit breaker trainer kit, IDMT over current relay testing kit, Circuit breaker trainer kit, Air circuit breaker trainer kit, MOCB trainer kit | 100 |
| 19  | Electric Vehicle Lab(Basic & advance) | 30 | EV Training System, BLDC Training Motor, PMDC Trainer Motor, Battery Characteristics Trainer, Battery Management System Trainer.                           | 100 |

**C. Technical Manpower support –Eligible and Adequate (10 Marks)**

The department is supported by eligible and adequate technical manpower, ensuring that students receive guidance and assistance as needed in the laboratories. Faculty members and technical support staff work together to create a conducive and knowledge-rich environment for our students.

At Government Polytechnic Lakhisarai, we are committed to providing students in the Department of Electrical Engineering with well-equipped quality laboratories and the necessary technical support to meet their curriculum requirements, fostering a dynamic and hands-on learning experience.

| Sl. NO. | Technical Manpower Support  |               |                                                            |
|---------|-----------------------------|---------------|------------------------------------------------------------|
|         | Name of the technical staff | Designation   | Qualification                                              |
| 1.      | Mr. kumar harsh             | Lab Assistant | Diploma+ B.Tech.(EEE)( Leave institute on Date-05.05.2025) |
| 2.      | Mr. Rahul Kumar             | Lab Assistant | Diploma+ B.Tech.(ECE)                                      |
| 3.      | Mr. Ankit Kr. Patel         | Lab Assistant | Diploma                                                    |
| 4.      | Miss. Priyanka Kumari       | Lab Assistant | B. Tech in Mechanical Engg.                                |
| 5.      | Mr. Amit Pratap             | Lab Assistant | Diploma in Mechanical Engg.                                |
| 6.      | Shri Kumar Bhaskar          | Lab Assistant | M. Sc in Chemistry                                         |
| 7.      | Shri Rahul Kumar            | Lab Assistant | Diploma in CSE                                             |
| 8.      | Shri Suraj Kumar            | Lab Assistant | B. Sc in Physics                                           |
| 9.      | Shri Rahul Raj              | Lab Assistant | Diploma in Electronics Engg.                               |
| 10.     | Shri Nikhil Kumar           | Instructor    | ITI                                                        |
| 11.     | Mr. Shidhant Kumar          | Instructor    | ITI                                                        |

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Electrical Engineering  
Govt. P.T.

|     |                        |            |     |
|-----|------------------------|------------|-----|
| 12. | Mr. Shashant Kumar     | Instructor | ITI |
| 13  | Shri Bipin Kumar Singh | Instructor | ITI |
| 14  | Shri Chandan Kumar Ray | Instructor | ITI |
| 15  | Shri Bibhash Kumar     | Instructor | ITI |
| 16  | Shri Manikant Kumar    | Instructor | ITI |

| S. No. | Name of the Laboratory                                                                   | No. of student per setup (Batch Size) | Name of the important equipment (costing more than Rs.30,000)                                                                                                                                                                               | Weekly utilization status(all the course for which the lab is utilized) |
|--------|------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| 1.     | Applied Physics Lab(I&II)                                                                | 30                                    | All Types of Machines Materials, and Equipments used in Applied Physics Lab                                                                                                                                                                 | 100                                                                     |
| 2.     | Applied Chemistry Lab(I&II)                                                              | 30                                    | All Types of Machines Materials, Chemicals and Equipments used in Applied Chemistry Lab                                                                                                                                                     | 100                                                                     |
| 3.     | Communication Skills in English Lab                                                      | 30                                    | No. of Computers – 5No. of licensed software – 50 (uTalk, Sky Pronunciation, Sanako Pronounce, Tense Tester, and Sanako Study 1200)No. of Webcams – 50No. of Headphones – 50LCD Screen – 0White Board – 1Power Backup System (UPS) – 10 KVA | 100                                                                     |
| 4      | ICT Tool Lab/ Web Technology Lab/ Python Programming Lab/ Introduction to IT Systems Lab | 30                                    | All system equipped with latest ICT Tool, MS Office, Python Programming, F it & C Programming.                                                                                                                                              | 100                                                                     |
| 5      | Fundamental of Electrical & Electronics Engg. Lab                                        | 30                                    | All Types of Machines and Equipments used in Basic Electrical and Electronics Engg. Lab                                                                                                                                                     | 100                                                                     |
| 6      | Engg. Drawing Lab                                                                        | 30                                    | Drawing Board                                                                                                                                                                                                                               | 100                                                                     |
| 7      | WELDING Lab                                                                              | 30                                    | Virtual and Reality Welding Simulator(All types of Welding)<br>Electric Arc Welding m/c, Spot Welding m/c, Gas Welding Machine                                                                                                              | 100                                                                     |
| 8      | CARPENTRY SHOP                                                                           | 30                                    | Power Hacksaw Machine, Carpentry Bench Vice & Tools Related to Carpentry Shop                                                                                                                                                               | 100                                                                     |
| 9      | Fitting Shop                                                                             | 30                                    | Bench Drilling Machine,<br><br>Bench Grinding Machine, Bench Vice, and Tools Related to Fitting Shop                                                                                                                                        | 100                                                                     |

  
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|     |                                                |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |     |
|-----|------------------------------------------------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 10  | MACHINE SHOP                                   | 30 | Manual Lathe Machine, Shaper Machine, Universal Milling Machine, Power Hacksaw, Surface Grinding, Grinder, Vertical Drilling Machine, Pillar Drilling Machine                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 100 |
| 11. | Engineering mechanics Lab                      | 30 | Compound Pendulum, Jib Crane, Screw Jack, Moment of Inertia of Flywheel, Triangle & Parallelogram of forces Apparatus, Universal Force Table ( slotted weights & pulleys. ), Deflection of Beam Apparatus (With Weights), Friction Slide Apparatus, Combined Inclined Plane and Friction Slide Combined Inclined Plane and Friction Slide Apparatus, Pulley System Different Type Pulley System, Worm & Worm Wheel. Single With Weight, Worm & Worm Wheel. Double With Weight, Wheel & Differential Axel - 30cm With Weight, Whinch Crab Single Purchase with Weight, Whinch Crab Double Purchase with Weight, | 100 |
| 12  | Robotics                                       | 30 | 8051 Microcontroller Kit, Conveyor with PLC Trainer, Mobile Robot Platform, Ultimate Code Robotic Platform, 6 axis ARM, Robotic Research Platform, Robotic Platform With Arm, Robotic Advance Kit, Robotic Junior Kit, Robotic Self Learning Kit, Waspnote Kit, Swarm Robot, Diagnostic Software for all Reasearch Robot.                                                                                                                                                                                                                                                                                      | 100 |
| 13  | Power Electronics lab                          |    | Thyristor (SCR) Trainer Kit, Step Up Chopper Trainer Kit, Step Down Chopper Trainer Kit, I-S Parallel Inverter Trainer Kit Using SCR, I-S Series Inverter Trainer Kit Using SCR ,Battery Charger Experimental Kit Using SCR ,Experimental Kit For Speed Controlled Dc Series Motor SCR Based,Nd Converters Experimental Kit, Characteristics of IGBT Trainer Kit, Characteristics of Traic Trainer Kit, Forced commuatation Circuit (A,B,C,D and E) Trainer Kit, IGBT, SCR                                                                                                                                     | 100 |
| 14  | MP &MC Lab                                     |    | MICROPROCESSOR TRAINING KIT – 8086, MICROCONTROLLER TRAINING KIT – 8051                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 100 |
| 15  | Electrical Measurement and Instrumentation lab |    | Industrial kelvin double bridge, Wheatstone bridge ,Dual range single phase dynamometer type portable wattmeter, DC Ammeter, DC Voltmeter, AC Voltmeter, AC Ammeter, Single Phase Variac , Moving Iron Ammeter, Moving                                                                                                                                                                                                                                                                                                                                                                                         | 100 |

|     |                                       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |     |
|-----|---------------------------------------|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|     |                                       |    | Coil Ammeter, Moving Iron Voltmeter, Moving Coil Voltmeter, Digital/energy meter, Potential Transformer, Megger, Maxwell bridge, Schering's Bridge, Digital Voltmeter, Galvanometer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |
| 16. | Electric Machine lab                  | 30 | Control panel for SINGLE PHASE Transformer for OC and SC test, Single phase transformer-2, Autotransformer, Loading rheostat 2kw single phase in 8 steps, Control panel for DC Shunt generator, Control panel for DC Series generator, MG SET -2, DOL Starter (for Induction Motor) trainer kit, induction motor, Experimental kit for speed control of Induction motor PWM/CSI, Control Panel for load test of SCIM With motor, Load test of DC Series motor panel with motor, to Plot V curve of a Synchronous motor with motor, 3 phase transformer 3 KVAC, Control Panel for star delta connection on 3 phase transformer trainer, loading Rheostat three phase 1.5 kw in four step, variable Auto Transformer (3 phase), control panel for load test on single phase transformer trainer, | 100 |
| 17. | Electrical Circuits lab.              | 30 | Thevenin theorem kit, Super position theorem kit, CRO, multimeter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 100 |
| 18. | Switch Gear & protection lab.         | 30 | Miniature Circuit breaker trainer kit, IDMT over current relay testing kit, Circuit breaker trainer kit, Air circuit breaker trainer kit, MOCB trainer kit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 100 |
| 19  | Electric Vehicle Lab(Basic & advance) | 30 | EV Training System, BLDC Training Motor, PMDC Trainer Motor, Battery Characteristics Trainer, Battery Management System Trainer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 100 |

  
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### 6.3 Additional facilities created for improving the quality of learning experience in laboratories (20 Marks)

#### A. Facilities (10 Marks)

In pursuit of enhancing the quality of the learning experience within laboratory settings, our institution has embarked on a comprehensive endeavor to establish state-of-the-art facilities. The New facilities are designed to provide students with an enriched and engaging educational environment.

The following are some of the key features and facilities introduced:

| S. No. | Facility Name        | Details                                                                                                     |
|--------|----------------------|-------------------------------------------------------------------------------------------------------------|
| 1      | Industrial Visit     | Various Mechanical industries                                                                               |
| 2      | Centre of Excellence | Electric Vehicle(Spoke) & Robotics(Hub)                                                                     |
| 3      | E-Yantra Lab         | 3D Printings<br>Robotics                                                                                    |
| 4      | KYP Lab              | Learning of Soft skill and basic computer knowledge                                                         |
| 5      | Spoken Tutorial      | Learning of Different tools related to Engg. Skills.                                                        |
| 6      | CISCO                | Learning of Foundational Knowledge and Practical Skills in Building configuring and troubleshooting Network |

#### B. Effective Utilization (5 Marks)

It is not enough to merely introduce new facilities; ensuring their effective utilization is equally crucial.

| S. No. | Facility Name        | Details                                                              | Reason(S) for creating facility                                                                             | Utilization                                                                           |
|--------|----------------------|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 1      | CAD Lab              | Computer-aided design facilities for 2D and 3D drafting and analysis | To enable students to use advanced computer-aided drafting and design software for engineering applications | Research activities, UG projects, product designing, and engineering analysis         |
| 2      | Industrial Visit     | Exposure to various mechanical and manufacturing industries          | To familiarize students with real-time Industrial practices and working environments                        | Practical learning, industry exposure, and experiential understanding                 |
| 3      | Centre of Excellence | Electric Vehicle and Robotics systems                                | To enhance students' advanced technical knowledge in Electric Vehicles and robotic system design            | Hands-on training, skill development, and advanced experimentation in EV and robotics |
| 4      | E-Yantra Lab         | 3D printing and robotics facilities                                  | To develop students' expertise                                                                              | Practical training in 3D printing                                                     |

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|   |         |                                                   |                                                                              |                                                                               |
|---|---------|---------------------------------------------------|------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
|   |         |                                                   | in additive manufacturing and robotic applications                           | technology and robotics                                                       |
| 5 | KYP Lab | Soft skills training and basic computer education | To improve communication skills and strengthen fundamental computer literacy | Development of soft skills, personality development, and basic IT proficiency |

**C. Relevance to POs/PSOs (5 Marks)**

| S. No. | Facility Name        | Details                                                              | Reason(s) for Creating facility                                                                             | Relevance to POs/PSOs                    |
|--------|----------------------|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------|
| 1      | CAD Lab              | Computer-aided design facilities for 2D and 3D drafting and analysis | To enable students to use advanced computer-aided drafting and design software for engineering applications | PO1, PO2, PO3, PO4, PO5, PO7, PSO1, PSO2 |
| 2      | Industrial Visit     | Exposure to various mechanical and manufacturing industries          | To familiarize students with real-time industrial practices and working environments                        | PO1, PO2, PO3, PO4, PO5, PO7, PSO1, PSO2 |
| 3      | Centre of Excellence | Electric Vehicle and Robotics systems                                | To enhance students' advanced technical knowledge in Electric Vehicles and robotic system design            | PO1, PO2, PO3, PO4, PO7, PSO1, PSO2      |
| 4      | E-Yantra Lab         | 3D printing and robotics facilities                                  | To develop students' expertise in additive manufacturing and robotic applications                           | PO1, PO2, PO3, PO4                       |
| 5      | KYP Lab              | Soft skills training and basic computer education                    | To improve communication skills and strengthen fundamental computer literacy                                | PO1, PO6, PO7                            |

| S. No. | Facility Name    | Details                                                              | Reason(s) for Creating Facility                                                                             | Relevance to POs/PSOs                    | Utilization                                                                                                    | Areas of Enhanced Student Learning                                                                                    |
|--------|------------------|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| 1      | CAD Lab          | Computer-aided design facilities for 2D and 3D drafting and analysis | To enable students to use advanced computer-aided drafting and design software for engineering applications | PO1, PO2, PO3, PO4, PO5, PO7, PSO1, PSO2 | Design of machine components, modeling and simulation, UG projects, research work, technical skill development | Engineering drawing skills, design thinking, problem analysis, use of modern engineering tools, product visualization |
| 2      | Industrial Visit | Exposure to various mechanical                                       | To familiarize students with real-time                                                                      | PO1, PO2, PO3, PO4, PO5, PO7,            | Observation of industrial processes,                                                                           | Practical knowledge, industry                                                                                         |

  
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|   |                      |                                                   |                                                                                                  |                                     |                                                                                                 |                                                                                                                                   |
|---|----------------------|---------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
|   |                      | and manufacturing industries                      | industrial practices and working environments                                                    | PSO1, PSO2                          | interaction with industry professionals, understanding production systems                       | awareness, professional ethics, teamwork, understanding of real-world engineering constraints                                     |
| 3 | Centre of Excellence | Electric Vehicle and Robotics systems             | To enhance students' advanced technical knowledge in Electric Vehicles and robotic system design | PO1, PO2, PO3, PO4, PO7, PSO1, PSO2 | Hands-on training, skill certification programs, mini and major projects, innovation activities | Emerging technology knowledge, system integration skills, problem-solving ability, interdisciplinary learning, innovation mindset |
| 4 | E-Yantra Lab         | 3D printing and robotics facilities               | To develop students' expertise in additive manufacturing and robotic applications                | PO1, PO2, PO3, PO4                  | Prototyping of components, robotics programming, participation in competitions and workshops    | Design optimization, manufacturing process understanding, creativity, automation skills, application-based learning               |
| 5 | KYP Lab              | Soft skills training and basic computer education | To improve communication skills and strengthen fundamental computer literacy                     | PO1, PO6, PO7                       | Soft skill training sessions, computer literacy programs, personality development activities    | Communication skills, teamwork, ethical awareness, digital literacy, professional behavior                                        |

#### 6.4 Laboratories: Maintenance and overall ambiance (10 Marks)

Laboratories Maintenance and overall ambiance:-

Maintenance:-

- Laboratory and equipment maintenance is carried out on a regular basis to ensure smooth academic and practical activities.
- Major maintenance and servicing of laboratory equipment are conducted at the end of every semester.
- Each laboratory is supported by dedicated technical staff and a faculty in-charge.

  
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 Govt. P. E. C. I.

- The laboratory attendant ensures proper functioning and routine maintenance of equipment under the guidance of the faculty in-charge.
- Immediate corrective action is taken in case of any machine or equipment breakdown.
- Periodic inspection and calibration of laboratory equipment are managed by the technical staff in coordination with the faculty in-charge.
- Regular oiling and greasing of machines are carried out to maintain operational efficiency and extend equipment life.
- Safety rules and precautionary measures are clearly displayed in all laboratories.
- Laboratory manuals and safety instructions are available in each laboratory to ensure quality and standardized practices.
- The Head of the Department and laboratory supervisors provide continuous support and monitoring for regular maintenance activities.

#### **Safety measures in laboratories –**

- Safety instructions and precautionary guidelines are prominently displayed in all laboratories for easy reference.
- Equipment manuals containing detailed safety norms are readily available within the laboratories.
- Fire extinguishers are installed at strategically identified and easily accessible locations.
- Laboratories are designed with an adequate number of entry and exit points to ensure safe and quick evacuation during emergencies.
- Essential personal protective equipment such as aprons, gloves, safety goggles, rubber mats, and proper electrical earthing are provided wherever necessary.
- Electrical safety is ensured through the installation of protective devices such as Miniature Circuit Breakers (MCBs) and Air Circuit Breakers (ACBs).

#### **6.5 Availability of computing facility in the department (10 Marks)**

| Sr. No | No Of Computer terminals | Students Computer Ratio | Details of Legal Software  | Details of Networking | Details of Printers, Scanners etc. |
|--------|--------------------------|-------------------------|----------------------------|-----------------------|------------------------------------|
| 1      | 30                       | 1:1                     | AutoCAD, Catia, SolidWorks | 500mbps, BSNL         | Scanner-3, Printer-5               |

#### **6.6 Language lab (10 Marks)**

Language lab is available for the student of 1<sup>st</sup> & 2<sup>nd</sup> semester students with following facilities:

No. of Computer- 50

No. of licensed software- 50(u Talk, Sky Pronunciation, Sanako Pronounce, Tense Tester and Sanako Study 1200)

  
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 Electrical Engineering  
 Gr

No. of webcam- 50

No. of headphone- 50

LCD Screen- 0

White board- 1

Power backup system (UPS)- 10KVA

| No. of<br>Computer<br>terminals per<br>Student | Computer ratio | No. of hours<br>Week |  | Beneficiaries                                             |
|------------------------------------------------|----------------|----------------------|--|-----------------------------------------------------------|
| 50                                             | 1:1            | 3 Hrs                |  | 1 <sup>st</sup> &<br>2 <sup>nd</sup> Semester<br>Students |

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Govt. Polytechnic, La'nisara

**Office of the Principal**  
**Govt. Polytechnic Lakhisarai - 811311**

Letter No.- 187

Date:- 10.02.2024

From,

Principal  
Govt. Polytechnic Lakhisarai

To,

SANAKO Education India Pvt. Ltd.  
New Delhi- 110017

Subject - Supply SANAKO Software Platform+ SANAKO SLH07 Headset

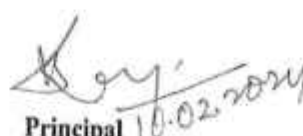
Sir,

Please refer to your quotation on dated- 09/02/2024 and supply the item as mentioned below as per government estimated approved rates within 10 days from the date of order.

1. This is being Govt. Office, entitled to pay taxes (Central and State) at the applicable rates, necessary declaration will be issued along with the payment, all kind of applicable taxes has to be clearly mentioned in the invoice.
2. The article must be supplied as per prescribed specification, size, quality and brand and also as per requirement and quotation. It also must contain any other accessories and related item to run the specified items. If any deviation will be found, the supply order must be cancelled and no any compensation will be paid to the supplier.
3. The article must be brand new of same model and make as mentioned in order/quotation.
4. You will have to kindly install, demonstrate the functioning of item in the office of the undersigned at your cost.
5. Payment will be made after successful demonstration, commissioning and installation of the item.
6. If any deviation will be found in the specification of the item, the supply order will be cancelled and no compensation will be paid.
7. The price of the item will be inclusive of all taxes, demonstration and commissioning or installation expenses and FDR.
8. In invoice BST/CST/TOT/GST should be mentioned separately.
9. The item should be of standard and good quality.
10. Invoice should be in two original copies.

Enclosure :-

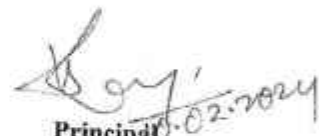
1. List of item should be supply.

  
Principal 10.02.2024  
Govt. Polytechnic Lakhisarai  
Principal  
Govt. Polytechnic, Lakhisarai

  
H.O.D  
Department of  
Electrical Engineering  
Govt. Polytechnic Lakhisarai

**Govt. Polytechnic Lakhisarai**  
**List of item to be Supplied**

| Si. No. | Item Name                                                      | Specification                    | Quantity | Total Amount<br>in Rs. with all<br>taxes |
|---------|----------------------------------------------------------------|----------------------------------|----------|------------------------------------------|
| 1       | SANAKO<br>Software<br>platform +<br>SANAKO<br>SLH07<br>Headset | As mentioned in<br>the Quotation | 50       | 492800.00                                |

  
Principal  
Govt. Polytechnic Lakhisarai

  
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Department of  
Electrical Engineering  
Govt. Polytechnic, Lakhisarai

Principal  
Govt. Polytechnic, Lakhisarai



Sanako Education India Pvt Ltd  
419, 4th Floor, Rectangle I, Saket  
New Delhi-110017

## Invoice

**BILL TO:**

The Principal  
Government Polytechnic  
Lakshi Sarai

**DATE:**

01-03-2024

**Tax Invoice No.**

SIN/1272

**GST No:****Mode of Delivery** Onsite**TIN No**

07606902565

**PAN -**

AAOCS7753D

**GSTIN No.**

07AAOCS7753D120

**State Code**

07

**Due date**

Advance

**HSN Code**

998434

**SAC Code****Your order Number**

Letter No - 187 Dated - 10-2-2024

**Customer Names**

| DESCRIPTION                                  | Qty          | AMOUNT              |
|----------------------------------------------|--------------|---------------------|
| Sanako Software Platform                     | 50           | 208814              |
|                                              |              |                     |
|                                              |              |                     |
| Account Name: Sanako Education India Pvt Ltd |              |                     |
| Account No : 59219999169878                  |              |                     |
| Bank : HDFC Bank, Sector 63, Noida           |              |                     |
| IFSC Code - HDFC0000975                      |              |                     |
|                                              | SUBTOTAL     | Rs. 2,08,814        |
|                                              | CGST 9%      | Rs. 0               |
|                                              | SGST 9%      | Rs. 0               |
|                                              | IGST 18%     | Rs. 37,586          |
|                                              | <b>TOTAL</b> | <b>Rs. 2,46,400</b> |

Rupees Two Lakh Forty Six Thousand Four Hundred Only

Make all cheques payable to  
Sanako Education India Pvt. Ltd.

**Authorised Signatory**

If you have any questions about this tax invoice, please contact :

Vivek Gupta vivekgupta@sanako.com +91-9999169878

Thank You !

E&OE

  
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| Product Name                 | Version | Token                         | Quantity |
|------------------------------|---------|-------------------------------|----------|
| Sanako Study Language Lab    | 9.X     | S1209-95559-29437-7745A-5AF46 | 50       |
|                              |         | S1209-D48F4-53AAF-F24FB-09EEE |          |
|                              |         | S1209-6EA64-C7AEF-E449C-188A1 |          |
|                              |         | S1209-39793-5D7CF-AEFEF-4B077 |          |
| Sanako Pronounce with editor | 2.x     | PRON2-4FE25-BCE37-8E4A4-AAFA7 | 50       |
| Pronounce Activity           |         | TUTPR-0707A-4520C-DF4EA-79274 | 50       |
| English Content              |         | COBOT-BD63D-1F7B4-49489-58CDD | 50       |

Customer Name:

Govt. Polytechnic, Lakhisarai

  
**H.O.D**  
Department of  
Electrical Engineering  
Govt. Polytechnic, La<sup>h</sup>isarai

# GOVERNMENT POLYTECHNIC LAKHISARAI

## DEPT. OF ELECTRICAL ENGG

### List of Program specific lab

| Sl. No. | location                       | Name of the lab         |                                                 | Shared/<br>Exclusive |
|---------|--------------------------------|-------------------------|-------------------------------------------------|----------------------|
| 1       | Ground floor<br>(Room no. 015) | A                       | DC MACHINE &<br>TRANSFORMER LAB                 | EXCLUSIVE            |
|         |                                | B                       | AC MACHINE LAB                                  | EXCLUSIVE            |
| 2       | Ground floor<br>(Room no. 011) | ELECTRICAL PROJECT ROOM |                                                 | EXCLUSIVE            |
| 3.      | FIRST FLOOR (ROOM<br>NO. 111)  | A                       | CONTROL SYSTEM & PLC LAB                        | EXCLUSIVE            |
| 4.      |                                | B                       | MICROPROCESSOR &<br>MICROCONTROLLER LAB         | EXCLUSIVE            |
| 5.      | FIRST FLOOR<br>(ROOM NO. 112)  | A                       | BASIC ELECTRICAL<br>ENGINEERING LAB             | EXCLUSIVE            |
| 6.      |                                | B                       | ELECTRICAL MEASUREMENT<br>& INSTRUMENTATION LAB | EXCLUSIVE            |
| 7.      |                                | C                       | ELECTRICAL CIRCUIT &<br>NETWORK LAB             | EXCLUSIVE            |
| 8.      | SECOND FLOOR<br>(ROOM NO. 210) | ELECTRICAL SOFTWARE LAB |                                                 | EXCLUSIVE            |
| 10.     | SECOND FLOOR<br>(ROOM NO. 205) | A                       | POWER ELECTRONICS LAB                           | EXCLUSIVE            |
| 11.     |                                | B                       | SWITCH GEAR & PROTECTION<br>LAB                 | EXCLUSIVE            |
| 12.     | SECOND FLOOR<br>(ROOM NO. 211) | LANGUAGE LAB            |                                                 | SHARED               |
| 13.     | SECOND FLOOR<br>(ROOM NO. 203) | ELECTRIC VEHICLE LAB    |                                                 | SHARED               |
| 14.     | SECOND FLOOR<br>(ROOM NO. 207) | ROBOTICS LAB            |                                                 | SHARED               |

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## GROUND FLOOR (ROOM NO – 015)



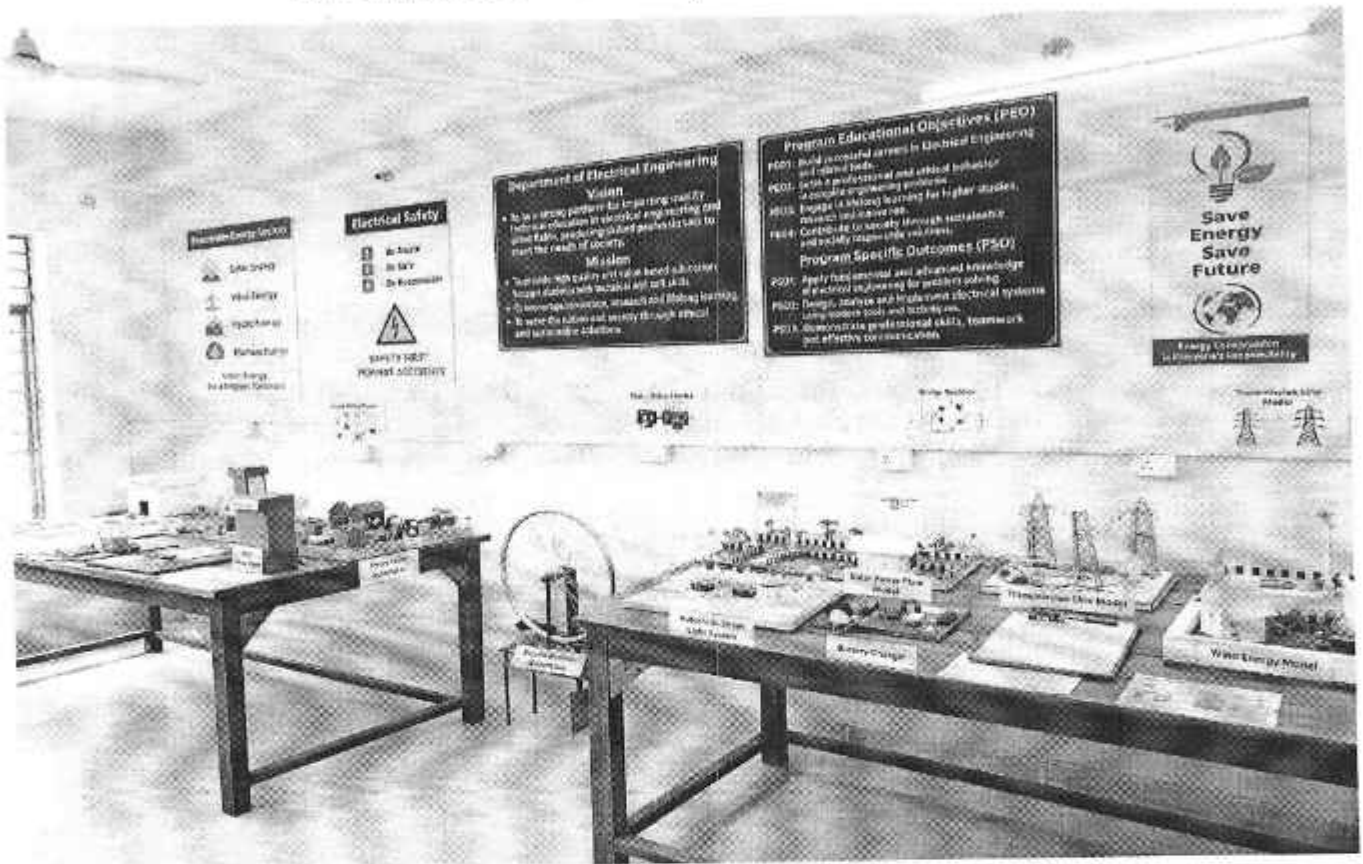
(A) DC MACHINE & TRANSFORMER LAB



(B) AC MACHINE LAB

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## ELECTRICAL PROJECT (ROOM NO – 011)



## FIRST FLOOR (ROOM NO – 111)



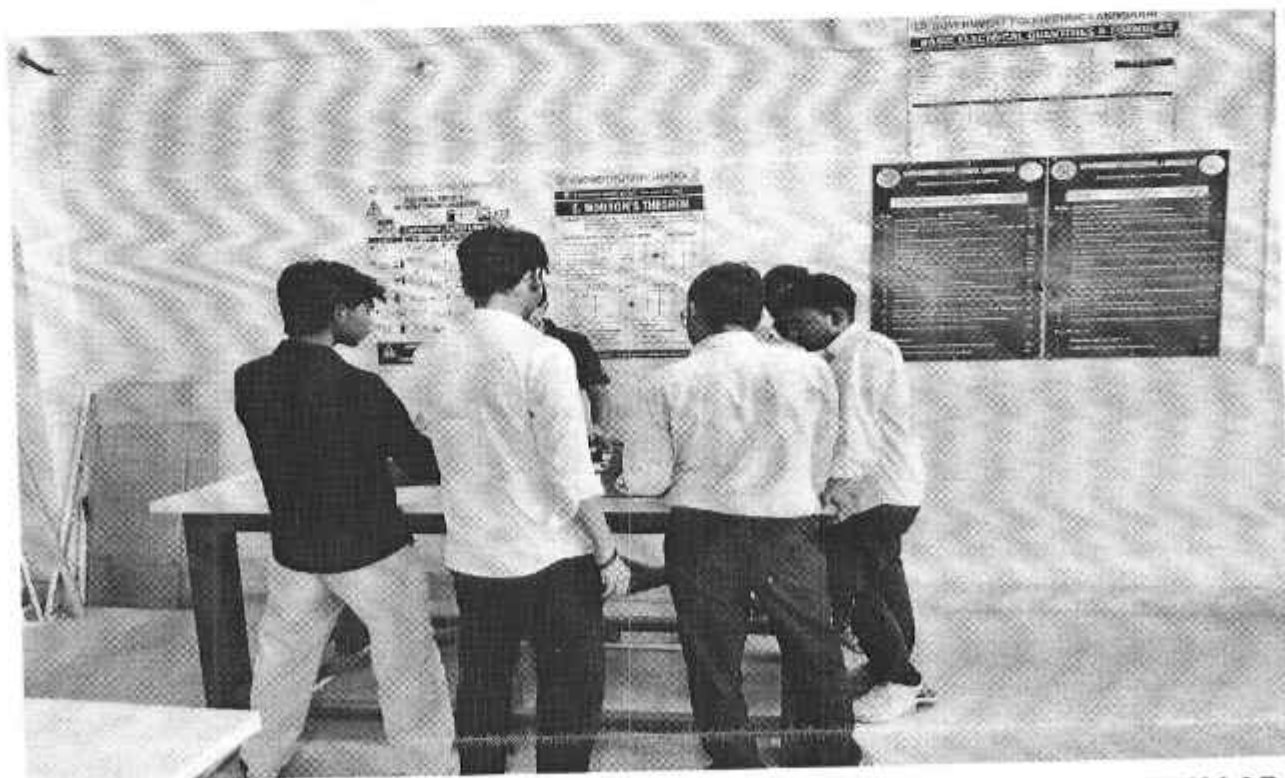
### (A) CONTROL SYSTEM & PLC LAB

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**(B) MICROPROCESSOR AND MICROCONTROLLER**

**FIRST FLOOR ROOM NO – 112**



**(A) BASIC ELECTRICAL ENGG LAB & ELECTRICAL CIRCUIT & NETWORK LAB**

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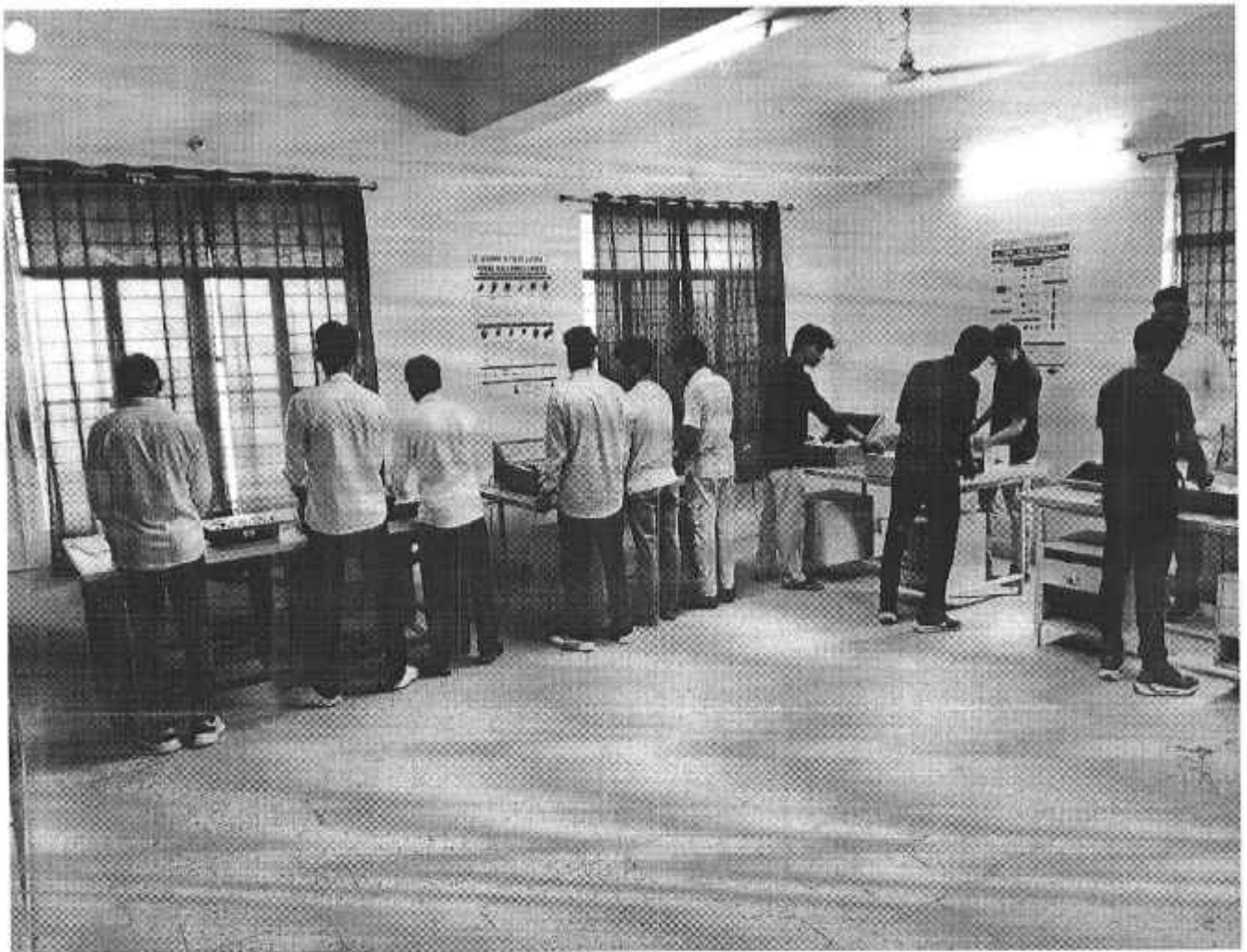
**(B) ELECTRICAL MEASUREMENT AND INSTRUMENTATION LAB**

**SECOND FLOOR ( ROOM NO-210)**



**ELECTRICAL SOFTWARE LAB**

  
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 Electrical Engineering  
 Govt. Polytechnic, La



**(A) POWER ELECTRONICS LAB-(ROOM NO 205)**



**(B) SWITCH GEAR & PROTECTION LAB-(ROOM NO 205)**

  
**H.O.D**  
 Department of  
 Electrical Engineering  
 Govt. Polytechnic, La'nisarai



**ELECTRIC VEHICLE LAB (ROOM N0-203)**

**H.O.D**  
Department of  
Electrical Engineering  
Govt. Polytechnic, La'hisara

बिहार सरकार  
विज्ञान, प्रावैधिकी एवं तकनीकी शिक्षा विभाग

पत्रांक-वि०प्रा० (IV) यो०- 25/2019 2222 /पटना, दिनांक-12/7/24

प्रेषक

गोनिका ठाकुर,  
विशेष कार्य पदाधिकारी,  
विज्ञान, प्रावैधिकी एवं तकनीकी शिक्षा विभाग,  
बिहार, पटना।

सेवा में,

प्राचार्य,  
सभी राजकीय अभियंत्रण महाविद्यालय एवं पोलिटेकनिक संस्थान।

विषय:- 38 राजकीय अभियंत्रण महाविद्यालयों एवं 46 राजकीय पोलिटेकनिक संस्थानों में प्रति संस्थान 30 SolidWorks Software के Perpetual License के क्रय एवं अधिष्ठापन हेतु संबंधित आपूर्तिकर्ता को विभाग द्वारा निर्गत क्रयादेश (P.O.) की प्रति उपलब्ध कराने के संबंध में।

प्रसंग:- प्राचार्य, बख्तियारपुर अभियंत्रण महाविद्यालय, बख्तियारपुर का पत्रांक-599, दिनांक-04.07.2024

महाशय,

उपर्युक्त विषयक प्रासंगिक पत्र के संबंध में कहना है कि विभागीय स्वीकृत्यादेश सं०-2620, दिनांक-25.06.2024 के आलोक में 38 राजकीय अभियंत्रण महाविद्यालयों एवं 46 राजकीय पोलिटेकनिक संस्थानों में प्रति संस्थान 30 SolidWorks Software के Perpetual License के क्रय एवं अधिष्ठापन हेतु संबंधित आपूर्तिकर्ता को विभाग द्वारा निर्गत क्रयादेश सं०-2633, दिनांक-26.06.2024 की प्रति आपके आवश्यक कार्यार्थ पत्र के साथ संलग्न कर उपलब्ध कराई जा रही है।

अनु०:- यथोक्त।

विश्वासभाजन

M  
12/07/24

विशेष कार्य पदाधिकारी,  
विज्ञान, प्रावैधिकी एवं तकनीकी शिक्षा विभाग,  
बिहार, पटना।

  
H.O.D  
Department of  
Electrical Engineering  
Govt. Polytechnic, Laisharai



470

**Government of Bihar**  
**Department of Science, Technology and Technical Education**

**PURCHASE ORDER**

PO No: वि. प्रा. (IV) यो. 25/2019 - 2633

Date: 26<sup>th</sup> June 2024

To,  
Elmax Systems & Solutions  
A-77, Lake Gardens, Ground Floor  
Kolkata - 700 045

Dear Sir,

**Subject:** Purchase Order for SolidWorks EDU Edition Software 2024-2025 Perpetual License for Government Engineering Colleges and Government Polytechnic Institutes functional under Department of Science, Technology and Technical Education (DSTTE), Bihar

**Kind Attention:** Mr. Debashis Chakrabarti, (CEO)

**Ref :** Your Quotation Ref No. ESS/DSTTE/75/149SW-1/24-25 Dated:- 19 June 2024

**Sectioned Oder No:** - वि. प्रा. (IV) यो. 25/19-2020 दिनांक-25.06.2024

We are pleased to place our purchase order for supply of Solid Works proprietary item software in perpetual nature license as per the following terms & conditions. Detail list of Bill of Materials is enclosed herewith.

**Product & Price Details:**

**THIS PRICE PROPOSAL FOR ONE COLLEGE UNDER DSTTE, BIHAR**

| Sl. No                                 | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Qty.     | Total Price (In INR)   |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------|
| 1.                                     | SOLIDWORKS EDUCATION EDITION NETWORK DESKTOP LICENSE (PERPETUAL) ALONG WITH 3D EXPERIENCE PLATFORM ANNUAL TERM LICENSE ACCESS.<br>1.0 SOLIDWORKS® Education Edition includes 2024:<br>• SOLIDWORKS Premium 3D CAD<br>• SOLIDWORKS Simulation Premium (FEA tools)<br>• SOLIDWORKS FLOW Simulation (CFD Tools)<br>• SOLIDWORKS Motions (Kinematic analysis)<br>• SOLIDWORKS Plastic Premium (Part and mold Filling analysis)<br>• SOLIDWORKS Sustainability (Environment Impact analysis)<br>• SOLIDWORKS Electrical Professional (Electrical System design tools)<br>• SOLIDWORKS CAM Professional (integrate design and manufacturing process)<br>• SOLIDWORKS Model Based Definition (Define, organize, and Publish 3D PMI)<br>• SOLIDWORKS Composer (Technical Documentation Tool)<br>• SOLIDWORKS Visualize Professional (Develop, rich, Photo Quality Content)<br>• MY SOLIDWORKS for Students (Your Connection to everything SOLIDWORKS) | 30 Users | Rs. 5,50,000.00        |
| <b>Total Base Value for 01 College</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          | <b>Rs. 5,50,000.00</b> |

1 | Page

  
**H.O.D.**  
Department of  
Electrical Engineering  
Govt. Polytechnic, Laishara



AnyScan

@ 18% GST will be Applicable

Price for 38 Government Engineering Colleges and 46 Government Polytechnic Institutes functional under DSTTE, Bihar,

| Sl.No | Description                                                                                              | Total Price (In INR) |
|-------|----------------------------------------------------------------------------------------------------------|----------------------|
| 1     | Base Value for 01 College (30 Users License) (T1)                                                        | Rs. 5,50,000.00      |
| 2     | Total Base Value for 38+46 = 84 Colleges (Total 2520 License) (T2)                                       | Rs. 4,62,00,000.00   |
| 3     | Less Discount Rs 40,00,000.00 on T2 = T3                                                                 | Rs. 4,22,00,000.00   |
| 4     | GST @ 18 % on Base Value on T3 = T4                                                                      | Rs. 75,96,000.00     |
| 5     | Total Amount Payable (R/O) T=(T3+T4)                                                                     | Rs. 4,97,96,000.00   |
| 6     | <b>In Words: Rupees Four Crore Ninety-Seven Lakhs Ninety-Six Thousand only, Inclusive of @18% of GST</b> |                      |

Note-

**Note: 1.** At the maximum, 80% payment will be released after successful installation and commissioning of the 30 Users SolidWorks perpetual nature software Licenses in All 38 Government Engineering Colleges and 46 Government Polytechnic Institutes and rest 20% payment will be released after the completion of ToT (Training of Trainer Program). The payment would be made by respective Government Engineering Colleges & Government Polytechnic Institutes from the fund provided by the department for this purpose.

Free SolidWorks Premium Research for only one (01) college

| Sl. No: | Product                                                                    | Type of License | Total Price |
|---------|----------------------------------------------------------------------------|-----------------|-------------|
| 01      | SolidWorks Premium Research Edition With one-year subscription<br>User - 1 | Perpetual       | FREE        |
|         | Total                                                                      |                 | Rs. 0.00    |

**1.0 SOLIDWORKS® Education Edition includes 2024-2025:**

- SOLIDWORKS Premium 3D CAD
- SOLIDWORKS Simulation Premium (FEAtools)
- SOLIDWORKS FLOW Simulation (CFDTools)
- SOLIDWORKS Motions (Kinematic analysis)
- SOLIDWORKS Plastic Premium (Part and mold Filling analysis)
- SOLIDWORKS Sustainability (Environment impact analysis)
- SOLIDWORKS Electrical Professional (Electrical System design tools)
- SOLIDWORKS CAM Professional (Integrate design and manufacturing process)
- SOLIDWORKS Model Based Definition (Define, organize, and Publish 3D PMI)
- SOLIDWORKS Composer (Technical Documentation Tool)
- SOLIDWORKS Visualize Professional (Develop, rich, Photo Quality Content)

  
**H.O.D**  
 Department of  
 Electrical Engineering  
 Govt. Polytechnic La'nisarai

### 1.1 Other Features:

1. The access for 30 students for each college on online certification portal of [MySolidworks.com](http://MySolidworks.com)
2. Enable access to hundreds of Online SOLIDWORKS tutorial videos.
3. Convenient, unlimited 24/7 access to online training and along with the video using example files.
4. A module of 'Test your knowledge', with quizzes after each lesson will be provided.
5. Student will get connected with the world's best designers and exchange high-quality free 3D Models.
6. Online Prep, courses for certified SOLIDWORKS associate (CSWA) courses.
7. Connect with worlds best designers and exchange high quality 3D models.
8. 30 Students from each college will get course completion certificate after completing CSWA preparatory course.

### 1.2 Terms and Conditions:

1. After releasing the purchase order from Department, the delivery of software should be in the period of a maximum 12 to 16 weeks.
2. Warranty: The software will be under warranty for a period of Two Year. All upgrades/updates and technical support will be downloadable free of cost during the warranty period. This software will be of perpetual nature, and it should be working for the lifetime without any issue and challenges.
3. There will not be any Annual Maintenance Charge (AMC) and Updation charge for a period of 2 years on the SOLIDWORKS in perpetual nature software.
4. DASSAULT SYSTEMES will certify that, in case, if the current Service/Business partner in any way moves out from mutual agreement between DASSAULT SYSTEMES/M/s ELMAX Systems & Solutions., The DASSAULT SYSTEMES will provide the complete support as offered by its distributor partner.
5. DASSAULT SYSTEMES/M/s ELMAX Systems & Solutions shall help the Department of Science, Technology and Technical Education, (DSTTE) Government of Bihar in the installation & commissioning process of software in all the government engineering colleges and government polytechnic institutes, Bihar as per requirement.
6. ToT Training: DASSAULT SYSTEMES/M/s ELMAX Systems & Solutions. will give an extensive training of 70 hours to all the faculty members of government engineering colleges and government institutes, Bihar.
7. A monitoring provision for the usage of the software (No. of hours) for each college should be provided to the DSTTE by the proprietor or its distributor and a log report should be generated and submitted to DSTTE every month by the concerned proprietor or its distributor.
8. After completion of ToT Training Program DASSAULT SYSTEMES/M/s ELMAX Systems & Solutions., will conduct the assessments of the faculty members and they will submit the performance report to DSTTE.

  
H.O.D  
Department of  
Electrical Engineering  
Govt. Polytechnic, La'hisara

9. Grading of faculty members after ToT will be done in below mentioned categories.

- a. Excellent b. Good c. Satisfactory d. Participatory

10. Till December 2025, if the DSTTE-Govt of Bihar, wants to procure a few more licenses of the SolidWorks in that case, the offered price will not be higher than the current price, however if existing market price at the time of fresh requirement is less, then lesser price shall be offered to DSTTE.

11. DASSAULT SYSTEMES will give the students, Learning Portal free of cost for the basic level training and certification of the students of government engineering colleges and government polytechnic institutes.

12. **Payment Terms and Condition:** At the maximum, 80% payment will be released after successful installation and commissioning of the software and rest 20% payment will be released after the ToT (Training of Trainer Program) and grading of the faculty members in these four categories : a. Excellent b. Good c. Satisfactory d. Participatory.

13. **Disputes Resolution/Amicable Settlement:**

Both the parties shall use their best efforts to settle amicably all disputes arising out of or in connection with this terms and condition or the interpretation thereof. In the event, if a dispute, differences or claim arises in connection with the interpretation or implementation/installation of this purchase order, the aggrieved party shall issue a written notice setting out the dispute/differences or claim to the other party, parties shall first attempt to resolve such dispute through mutual consultation. If the dispute is not resolved as aforesaid within the period of 15 days from the date of receipt of written notice, the matter will be referred to In-Charge DSTTE, who will take decision within 30 days after such reference. If the dispute is still not resolved the matter will be referred for arbitration. All disputes and differences whatsoever shall be referred to the courts at Patna, Bihar which shall be the courts having exclusive jurisdiction to entertain and try the same.

**Infrastructure Support will be provided by DSTTE, Govt. of Bihar for the ToT Training Program:**

- Training Venue
- Projectors and Project Screens
- Computers /Laptops for all training participants
- Internet connections in all computers and LAN setup in all the computers
- DST will depute required manpower (for software installation) and other IT setup required for this training.
- Audio/Visual Arrangements etc.
- Any other support/need if required during the training period.

Authorized Signatory

Director-cum-Special Secretary  
Department of Science, Technology and Technical Education  
Govt of Bihar

H.O.D  
Department of  
Electrical Engineering  
Govt. Polytechnic, Laishan



| Sl. No.      | Date     | Name of Job      | Remarks                                                                              | Signature   | Remarks             |
|--------------|----------|------------------|--------------------------------------------------------------------------------------|-------------|---------------------|
| 01. 03.06.23 | 03.06.23 | Dr. Series motor | checked the type of connection, tested insulation, performance evaluation completed. | For control | checked and correct |

|              |          |                  |                                                                                      |             |                     |
|--------------|----------|------------------|--------------------------------------------------------------------------------------|-------------|---------------------|
| 02. 06.06.23 | 06.06.23 | Dr. Series motor | checked the type of connection, tested insulation, performance evaluation completed. | For control | checked and correct |
|--------------|----------|------------------|--------------------------------------------------------------------------------------|-------------|---------------------|

|              |          |                  |                                                                                      |             |                     |
|--------------|----------|------------------|--------------------------------------------------------------------------------------|-------------|---------------------|
| 03. 06.06.23 | 06.06.23 | Dr. Series motor | checked the type of connection, tested insulation, performance evaluation completed. | For control | checked and correct |
|--------------|----------|------------------|--------------------------------------------------------------------------------------|-------------|---------------------|

|              |          |                  |                                                                                      |             |                     |
|--------------|----------|------------------|--------------------------------------------------------------------------------------|-------------|---------------------|
| 04. 06.06.23 | 06.06.23 | Dr. Series motor | checked the type of connection, tested insulation, performance evaluation completed. | For control | checked and correct |
|--------------|----------|------------------|--------------------------------------------------------------------------------------|-------------|---------------------|

|              |          |                  |                                                                                      |             |                     |
|--------------|----------|------------------|--------------------------------------------------------------------------------------|-------------|---------------------|
| 05. 06.06.23 | 06.06.23 | Dr. Series motor | checked the type of connection, tested insulation, performance evaluation completed. | For control | checked and correct |
|--------------|----------|------------------|--------------------------------------------------------------------------------------|-------------|---------------------|

|              |          |                  |                                                                                      |             |                     |
|--------------|----------|------------------|--------------------------------------------------------------------------------------|-------------|---------------------|
| 06. 06.06.23 | 06.06.23 | Dr. Series motor | checked the type of connection, tested insulation, performance evaluation completed. | For control | checked and correct |
|--------------|----------|------------------|--------------------------------------------------------------------------------------|-------------|---------------------|

H.O.D  
Department of  
Electrical Engineering

Dr. P. S. Srinivasan

07.15/07/2023 Minimum power Electric net & transformer between transformer Network 1 to 2

Maintenance of checked all connecting terminals and tightened

08.14/07/2023 DC regulated supply

Test accommodation tested the power supply with a sensitive load

03.19/07/2023 CRO / Oscilloscope

Warn terminal / contact. Inspected the display CRT screen for proper brightness & checked abnormal noise, waveform distortion.

10.15/07/2023 Functional generator Electrical measurement & instrumentation lab

check frequency amplitude waveform section, output terminal.

11.15/07/2023 wattmeter

check terminal and pressure / current coils, terminals, pointer arrangement and calibration

12.16/07/2023 Analog Ammeter

check pointer movement

H.O.D. Department of Electrical Engineering Govt Polytechnic

Signature

| S. No. | Date | Machine & Accessories | Name of Lab | Weather, Temp          | At. of the working | Remarks |
|--------|------|-----------------------|-------------|------------------------|--------------------|---------|
|        |      |                       | Electrical  | Clear, normal movement |                    |         |

|    |            |                            |          |                                                                              |  |  |
|----|------------|----------------------------|----------|------------------------------------------------------------------------------|--|--|
| 14 | 18/07/2023 | Kevin Double Bridge        | "        | terminals and bridge resist balance                                          |  |  |
| 15 | 4/01/2024  | Ohm's Law Trainer Kit      | PEEE Lab | check bridge arms, connecting leads, terminals and balance key can condition |  |  |
| 16 | 4/01/2024  | Kirchoff's Law Trainer Kit | PEEE Lab | check resistor supply, connecting wires and learn meter readings             |  |  |
| 17 | 5/01/2024  | Logic gate Trainer Kit     | "        | check circuit connection terminal and voltage/current readings               |  |  |
| 18 | 5/01/2024  | Transistor Trainer Kit     | "        | check Ics power supply, switches, LEDs and connecting wires                  |  |  |
| 19 | 5/01/2024  | Transistor Trainer Kit     | "        | check Transistor, resistor, polarity and diode                               |  |  |

H.O.D  
 Department of  
 Electrical Engineering  
 Govt Polytechnic

Sl. No. Date Material & Accessories Name of Lab.

Particulars Year Date of use of Lab. Remarks

2. 11/01/2024 Sp. trans. meter (used) as the lab.

Electric connections and terminals were checked and tested & unit was found to be satisfactory.

Completed/Exhausted

23. 08/01/2024 1-8 Induction meter

Induction kit for 24V

In. meter issued & terminals were checked and wiring and testing connections were checked.

Completed/Exhausted

23. 8

  
H.O.D.  
Department of  
Electrical Engineering  
Savitribi Phule Polytechnic, Nashik



# Government Polytechnic Lakhisarai

## Department of Electrical Engineering

North of Vidyapeeth Chowk Lakhisarai- 811311

Email ID- hodeelkr@gmail.com, Mob:-+918920886304

### RECORDS OF NEW PROGRAM SPECIFIC FACILITIES

#### Summary of Facilities

| Year | Facility               | Type           | Purpose                      | Outcome                    |
|------|------------------------|----------------|------------------------------|----------------------------|
| 2025 | Robotics Lab           | Advanced Lab   | Automation & robotics skills | Improved project work      |
| 2024 | Dedicated Language Lab | Skill Lab      | Communication skills         | Better placement           |
| 2024 | SolidWorks Software    | Design Tool    | 3D design skills             | Improved design capability |
| 2023 | Electric Vehicle Lab   | Emerging Tech  | EV technology training       | Industry readiness         |
| 2021 | E-Yantra Lab           | Innovation Lab | Embedded systems & robotics  | Student innovation         |

#### Detailed Facilities

##### Robotics Lab (2025)

Established to provide hands-on robotics training.

Proceedings: Approved by department, lab setup completed.

Utilization: Projects, workshops.

Outcome: Increased student innovation.

| Facility Name       | Details                                                                                        | Utilization                                                      | Areas in which students are expected to have enhanced learning                                       | Relevance to POs, PSOs                   |
|---------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------|
| Robotics Laboratory | Robotics trainer kits, sensors, actuators, microcontrollers, robotic arms and automation setup | For practical classes, mini projects, workshops and competitions | Students enhance knowledge in robotics, automation, programming, problem solving and control systems | PO1, PO2, PO3, PO4, PO6, PO7, PSO1, PSO2 |

  
H.O.D  
Department of  
Electrical Engineering  
Govt. Polytechnic Lakhisarai

बिहार सरकार  
विज्ञान एवं प्रावैधिकी विभाग।

पत्र सं०- वि०प्रा० (II) e-yantra-19/18

/पटना, दिनांक-

प्रेषक,

संजीव कुमार, मो० 920 20 20 20,  
निदेशक,  
विज्ञान एवं प्रावैधिकी विभाग।

सेवा में,

प्राचार्य/प्रभारी प्राचार्य,  
सभी अभियंत्रण महाविद्यालय/राजकीय पॉलिटेक्निक संस्थान  
राजकीय महिला पॉलिटेक्निक संस्थान।

विषय- **e-yantra Lab** स्थापित करने के संबंध में।

महाशय,

उपर्युक्त विषय के सम्बन्ध में कहना है कि कई प्राचार्यों द्वारा e-yantra Lab स्थापित करने हेतु विभाग से अतिरिक्त राशि की मांग की गयी है। इस विषय में विभागीय पत्रांक-1373, दिनांक-22.05.2020 में पूर्व में ही यह निर्देश दिया जा चुका है कि सभी संस्थानों में e-yantra Lab स्थापित करने हेतु संस्थानीय मद अथवा विभागीय आवंटन से प्राप्त राशि से इस Lab की स्थापना की जा सकती है।

अतः मशीनें, उपस्कर मद में आवंटित विभागीय राशि संस्थानीय मद में उपलब्ध राशि से प्राथमिकता के आधार पर e-yantra Lab को स्थापित करना सुनिश्चित किया जाय।

विश्वासभाजन,

ह०/-

निदेशक,

विज्ञान एवं प्रावैधिकी विभाग  
बिहार पटना।

ज्ञापक-

439

/पटना, दिनांक-

09/02/2021

प्रतिलिपि- सचिव के आप्त सचिव/आईटीओ मैनेजर, विज्ञान एवं प्रावैधिकी विभाग,  
बिहार, पटना को सूचनार्थ एवं आवश्यक कार्यार्थ प्रेषित।

  
09.02.21  
निदेशक

विज्ञान एवं प्रावैधिकी विभाग,  
बिहार, पटना।

  
**H.O.D.**  
Department of  
Electrical Engineering  
Govt. Polytechnic, La. hisarai

**बिहार सरकार**  
**विज्ञान एवं प्रावैधिकी विभाग, बिहार, पटना।**

पत्राक- वि०प्रा०(V) प्रशिक्षण-02/2019

549

/पटना, दिनांक: 12.2.2020

प्रपत्र

निदेशक,

विज्ञान एवं प्रावैधिकी विभाग,  
बिहार, पटना।

सेवा में,

सभी प्राचार्य/प्रभारी-प्राचार्य,

राजकीय अभियंत्रण महाविद्यालय/राजकीय पोलिटेकनिक/  
राजकीय महिला पोलिटेकनिक

विषय-

राजकीय अभियंत्रण महाविद्यालय एवं राजकीय पोलिटेकनिक संस्थानों के शिक्षकों को CCNA एवं IT-Essential प्रशिक्षण का ToT Training करने के संबंध में।

प्रसंग-

CISCO से प्राप्त ई-मेल की प्रति।

महाराज,

उपर्युक्त विषय के संबंध में कहना है कि सत्र 2019-20 में अधिष्ठापित 19 राजकीय अभियंत्रण महाविद्यालय एवं 05 राजकीय पोलिटेकनिक संस्थानों में पूर्व से संचालित CISCO के विभिन्न पाठ्यक्रम यथा CCNA, IT-Essential etc. का प्रशिक्षण कार्यक्रम संचालित करने का निर्णय लिया गया है। उक्त पाठ्यक्रम को संचालित करने हेतु दिनांक 17.02.2020 से 07.03.2020 तक नव स्थापित 24 संस्थानों के दो-दो शिक्षकों को उपरोक्त पाठ्यक्रम में ToT प्रशिक्षण कराया जायेगा। पूर्व के 58 संस्थानों के ToT प्राप्त शिक्षकों को CCNA Final Module का ToT प्रशिक्षण दिनांक 03.03.2020 से 07.03.2020 तक कराया जायेगा।

CISCO के प्रशिक्षण केन्द्र स्थापित करने हेतु प्रत्येक संस्थान को निबंधन शुल्क (Academy Support Center Fee) के रूप में 15000.00+GST(18%)=17700.00 प्रतिवर्ष राशि का भुगतान CISCO के पार्टनर को करना होता है। राशि का भुगतान पत्र के साथ संलग्न विवरणों के अनुसार भुगतान होगा।

आपसे अनुरोध है कि अपने संस्थान से कम्प्यूटर/इलेक्ट्रॉनिक्स ब्रांच के दो सहायक प्राध्यापक/व्याख्याता (नियमित व्याख्याता की प्राथमिकता दीत हुए) को उपरोक्त ToT प्रशिक्षण हेतु नामित किया जाए।

अनु०-संशोधित।

  
**H.O.D.**  
**Department of**  
**Electrical**  
**Govt. Polytechnic**

विश्वरामाजी  
  
11.2.2020  
निदेशक  
विज्ञान एवं प्रावैधिकी विभाग,  
बिहार, पटना।

**Govt. of Bihar**  
**Science & Technology Department**

Letter No.- 40510① a2-107/2010/3187  
From

/Patna, Dated : 27-12-2016

Atul Sinha,  
Director,  
Deptt. of Science & Technology,

To,

The Principal  
All Govt. Engineering & Polytechnic colleges, Bihar.

**Sub. :** Free of cost IT/Software trainings by Spoken tutorials, IIT Bombay: Status.

Sir,

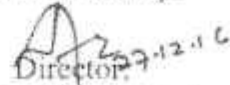
Pl refer to my letter वि.प्रा.(II)व2-107/2010/1929 dated 25.07.2016 vide which you were advised to impart training to the students/faculty on open source software like C/C++, Java, Ruby, Pearl, PHP, MySQL, Scilab, Python, LINUX, LibreOffice, Firefox, LaTeX, Thunderbird, Joomla, ExpEYES etc. free of cost. The complete list of software was attached. The CDs containing the software training module sent by IIT Bombay were also enclosed. It was emphasized that these softwares would help students and faculty in many applications like computational, website building, animations & graphics, physics, chemistry, drawing, programming etc. which they often need to use during their studies and projects and even daily life. Also this training will make students better employable. Further Prof Vijoy Kumar, Principal Consultant had given presentation through EDUSAT on the features of FOSS program of IIT Bombay.

IIT Bombay has sent the status of college wise utilization of this program in Bihar (Enclosed for ready reference). It is seen that except Bhagalpur, Nalanda engineering colleges, none have motivated their students to learn these softwares. Similarly except Women Polytechnic at Phulwari (Patna) and Muzaffarpur, other Polytechnics are not taking benefit of this drive of Govt.

You are once again advised to schedule such training during regular curriculum, may be one to two hours per week. These sessions may be clubbed with computer lab. The program can be run off line with the help of CDs sent in case proper internet facility is not there. This model is followed in all Universities and Technical Institutions. Each module of software would take approximately 20 hours of training. After the training, IIT Bombay would conduct on line test and would award certificate which would help students in getting better placements.

For any assistance, clarification you may contact Ms Sharda Sharma, Training coordinator, Spoken Tutorials, IIT Bombay on [sharda30@gmail.com](mailto:sharda30@gmail.com) and/or on her mobile 9892721022.

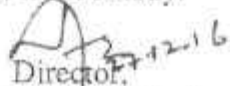
Yours Sincerely,

  
Director,

Deptt. of Sc. & Tech.  
Bihar, Patna.

Copy to :- Ms Sharda Sharma, Training co-ordinator, Spoken Tutorials, IIT Bombay.

  
**H.O.D.**  
Department of  
Electrical Engineering  
Govt. Polytechnic, Lakhisarai

  
Director,

Deptt. of Sc. & Tech.  
Bihar, Patna.



भारतीय प्रौद्योगिकी संस्थान मुंबई  
पॉवर, मुंबई-400 076, भारत

Indian Institute of Technology Bombay  
Powai, Mumbai-400 076, India

फ़ोन/Phone: (+91-22) 2572 2545

फैक्स/Fax: (+91-22) 2572 3480

वेबसाइट/Website: www.iitb.ac.in

IIT Bombay

## Letter of Association

27<sup>th</sup> August 2020

To,  
Government Polytechnic, Lakhisarai  
North of Vidyapeeth, Lakhisarai  
Bihar – 811311

We are happy to announce the ASSOCIATION of Knowledge Partner Spoken Tutorial MOOCs Training Program, IIT Bombay with **Government Polytechnic, Lakhisarai**. The Program is a part of the National Mission on Education through ICT, MHRD, Govt. of India, to spread IT Literacy all over India. We are promoting the learning and usage of Free & Open Source Software (FOSS), through an Audio-Video teaching tool, viz, 'Spoken Tutorial'.

We support and motivate colleges to train students on Basic Computer Skills, Software and IT. The course and the training is offered for Rs. 25,000 per year to all the Colleges.

You are making an outstanding contribution of using ICT based teaching and Learning methodology for students of your College.

Yours Sincerely,

For and On behalf of  
Spoken Tutorials,  
Indian Institute of Technology Bombay

*Shyama Iyer*

Mrs. Shyama Iyer  
National Coordinator  
Spoken Tutorial Project, IIT Bombay



**H.O.D**  
Department of  
Electrical Engineering  
Govt. Polytechnic, Lakhisarai

# Govt. Polytechnic Lakhisarai

Final Exam Result

KYP

KYP(Center no- KYP05040023 , AUGUST 2024

| Sr. No | Learner Code     | Learner Name        | Result |
|--------|------------------|---------------------|--------|
| 1      | 3582600024081950 | SHIVAM KUMAR        | Pass   |
| 2      | 3582612924081950 | RAUSHAN RAJ         | Pass   |
| 3      | 3582621224081950 | GULSHAN KUMAR       | Pass   |
| 4      | 3582631824081950 | SOURABH KUMAR       | Pass   |
| 5      | 3582641024081950 | AVINASH KUMAR       | Pass   |
| 6      | 3582646724081950 | CHANDAN KUMAR SINGH | Pass   |
| 7      | 3582652224081950 | ANNU KUMARI         | Pass   |
| 8      | 3582656524081950 | AMAN KUMAR          | Pass   |
| 9      | 3582669124081950 | PANKAJ KUMAR        | Pass   |
| 10     | 3582687624081950 | ANSHU KUMAR         | Pass   |
| 11     | 3582924124081950 | UTTAM KUMAR         | Pass   |
| 12     | 3582932424081950 | RAJU KUMAR          | Pass   |
| 13     | 3582951124081950 | SANTOSH KUMAR       | Pass   |
| 14     | 3583467724081950 | MANISH KUMAR        | Pass   |

Principal  
Govt. Polytechnic Lakhisarai

01.09.2024  
Principal  
Govt. Polytechnic, Lakhisarai

H.O.D  
Department of  
Electrical Engineering  
Govt. Polytechnic Lakhisarai

# Govt. Polytechnic Lakhisarai

Final Exam Result

KYP(CENTER NO -KYP05040023) FEBRUARY 2023

| Sl. No. | Learner Code     | Learner Name   | Result |
|---------|------------------|----------------|--------|
| 1       | 3300527023020350 | LAKSHMI KUMARI | Pass   |
| 2       | 3300548823020350 | SWETA KUMARI   | Pass   |
| 3       | 3300556423020350 | NIKITA SUMAN   | Pass   |
| 4       | 3300583423020350 | ANSH KUMAR     | Pass   |
| 5       | 3300589023020350 | DEEPAK KUMAR   | Pass   |
| 6       | 3300607223020350 | SHOLU KUMAR    | Pass   |
| 7       | 3300652223020350 | BRAJESH KUMAR  | Pass   |
| 8       | 3300691523020350 | ANKIT RAJ      | Pass   |
| 9       | 3300704123020350 | ADITYA KUMAR   | Pass   |
| 10      | 3300709823020350 | SUNNY KUMAR    | Pass   |
| 11      | 3300714723020350 | AMAN KUMAR     | Pass   |
| 12      | 3300770823020350 | NITIN KUMAR    | Pass   |
| 13      | 3300943723020350 | ARADHYA SINHA  | Pass   |
| 14      | 3301008823020350 | RAUSHAN KUMAR  | Pass   |

**H.O.D**  
Department of  
Electrical Engineering  
Govt. Polytechnic Lakhisarai

Principal  
Govt. Polytechnic Lakhisarai  
Feb-2023

# Govt. Polytechnic Lakhisarai

Final Exam Result

KYP(Center no- KYP05040023), APRIL 2022

| Sr. No. | Learner Code     | Learner Name      | Result |
|---------|------------------|-------------------|--------|
| 1       | 3137595922041150 | VIRENDRA KUMAR    | Pass   |
| 2       | 3137596322041150 | AKRITI KUMARI     | Pass   |
| 3       | 3137602222041150 | SUSHANT KUMAR     | Pass   |
| 4       | 3137605722041150 | SANDEEP KUMAR     | Pass   |
| 5       | 3137613122041150 | SUMIT KUMAR       | Pass   |
| 6       | 3137620522041150 | VED PRAKASH RAJAK | Pass   |
| 7       | 3137624622041150 | SUMIT KUMAR       | Pass   |
| 8       | 3137627022041150 | NILESH KUMAR      | Pass   |
| 9       | 3137628722041150 | AMAR KUMAR        | Pass   |
| 10      | 3137639022041150 | PAWAN KUMAR       | Pass   |
| 11      | 3140782122041150 | ALOK RAJ          | Pass   |

Principal

Govt. Polytechnic Lakhisarai

20.04.2022  
Govt. Polytechnic, Lakhisarai

**H.O.D**  
Department of  
Electrical Engineering  
Govt. Polytechnic, Lakhisarai

# Govt. Polytechnic Lakhisarai

Final Exam Result

KYP (Center no- KYP05040022) , AUGUST 2024

| Sr. No. | Learner Code     | Learner Name           | Result |
|---------|------------------|------------------------|--------|
| 1       | 3578122324081650 | FUL KUMARI             | Pass   |
| 2       | 3581883024081650 | ANKITA KUMARI          | Pass   |
| 3       | 3581890924081650 | PRIYA BHASKAR          | Pass   |
| 4       | 3581899624081650 | SHWETA KUMARI          | Pass   |
| 5       | 3581903124081650 | AMAN KUMAR             | Pass   |
| 6       | 3581905724081650 | CHAND KUMAR            | Pass   |
| 7       | 3581912424081650 | BAIBHAB KUMAR HIMANSHU | Pass   |
| 8       | 3581925324081650 | PRINCE RAJ             | Pass   |
| 9       | 3582356424081650 | VINAY KUMAR            | Pass   |
| 10      | 3582381724081650 | BAMBAM KUMAR           | Pass   |
| 11      | 3582400124081650 | SULABH KUMAR           | Pass   |
| 12      | 3582402324081650 | RANI KUMARI            | Pass   |
| 13      | 3582409024081650 | ROHIT KUMAR            | Pass   |
| 14      | 3582417924081650 | KRISHNA KUMAR          | Pass   |
| 15      | 3582435824081650 | ANJALI KUMARI          | Pass   |
| 16      | 3582574124081650 | RISHU KUMARI           | Pass   |
| 17      | 3582593624081650 | PREMRANJAN KUMAR       | Pass   |

Principal

Govt. Polytechnic Lakhisarai

Principal  
Govt. Polytechnic Lakhisarai

H.O.D  
Department of  
Electrical Engineering  
Govt. Polytechnic Lakhisarai

# Govt. Polytechnic Lakhisarai

Final Exam Result

KYP(Center no- KYP05040022) , FEBRUARY 2023

| Sr. No. | Learner Code     | Learner Name        | Result |
|---------|------------------|---------------------|--------|
| 1       | 3137595722041150 | SONU DAS            | Pass   |
| 2       | 3137658022041150 | NISHANT KUMAR       | Pass   |
| 3       | 3300948223020250 | MUSKAN KUMARI       | Pass   |
| 4       | 3300955723020250 | PRIYA SUMAN         | Pass   |
| 5       | 3300962323020250 | NISHU KUMARI        | Pass   |
| 6       | 3300966223020250 | CHHOTI KUMARI       | Pass   |
| 7       | 3300971123020250 | NISHANT KUMAR       | Pass   |
| 8       | 3301012023020250 | MANISH KUMAR        | Pass   |
| 9       | 3301016323020250 | HARSHIT KUMAR YADAV | Pass   |
| 10      | 3301022723020250 | KUNDAN KUMAR        | Pass   |
| 11      | 330104423020250  | VIKASH KUMAR YADAV  | Pass   |
| 12      | 3303163123020250 | GULSHAN KUMAR       | Pass   |
| 13      | 3303180123020250 | MULAN KUMAR         | Pass   |
| 14      | 3303186623020250 | MUKESH KUMAR        | Pass   |
| 15      | 3303194323020250 | KUNDAN KUMAR        | Pass   |
| 16      | 3303199423020250 | HARE KRISHNA KUMAR  | Pass   |

  
**H.O.D**  
Department of  
Electrical Engineering  
Govt. Polytechnic, Lakhisarai

  
Principal  
20.02.2023  
Govt. Polytechnic Lakhisarai

# Govt. Polytechnic Lakhisarai

Final Exam Result

KYP(Center no- KYP05040022 , AUGUST 2022

| Sr. No. | Learner Code     | Learner Name    | Result |
|---------|------------------|-----------------|--------|
| 1       | 3210427022080850 | GOLU KUMAR      | Pass   |
| 2       | 3210446322080850 | PRABHASH KUMAR  | Pass   |
| 3       | 3210452222080850 | HARSH RAJ       | Pass   |
| 4       | 3210489722080850 | DEVRAJ ROY      | Pass   |
| 5       | 3210493422080850 | MRINAL KUMAR    | Pass   |
| 6       | 3210505122080850 | KUNDAN KUMAR    | Pass   |
| 7       | 3210525222080850 | ANURADHA KUMARI | Pass   |
| 8       | 3210538122080850 | STUTI SINGH     | Pass   |
| 9       | 3210542422080850 | VIKRAM KUMAR    | Pass   |
| 10      | 3211575122080850 | RAUSHAN KUMAR   | Pass   |
| 11      | 3213452022080850 | JYOTI KUMARI    | Pass   |

Principal

Govt. Polytechnic Lakhisarai

30-09-2022  
Govt. Polytechnic Lakhisarai

H.O.D

Department of  
Electrical Engineering  
Govt. Polytechnic, Lakhisarai

# Govt. Polytechnic Lakhisarai

Final Exam Result

| KYP(Center no- KYP05040022) , JANUARY 2022 |                  |               |        |
|--------------------------------------------|------------------|---------------|--------|
| Sr. No.                                    | Learner Code     | Learner Name  | Result |
| 1                                          | 3097383021122750 | CHHOTI KUMARI | Pass   |
| 2                                          | 3097387921122750 | SAKSHI KUMARI | Pass   |
| 3                                          | 3097411021122750 | NISHANT KUMAR | Pass   |
|                                            |                  |               |        |

Principal

Govt. Polytechnic Lakhisarai

  
**H.O.D**  
Department of  
Electrical Engineering  
Govt. Polytechnic, Lakhisarai

  
Principal  
Govt. Polytechnic, Lakhisarai



# Government Polytechnic Lakhisarai

## Department of Electrical Engineering

North of Vidyapeeth Chowk Lakhisarai- 811311

Email ID- hodeelkr@gmail.com, Mob:-+918920886304

### RECORDS OF NEW PROGRAM SPECIFIC FACILITIES

#### Summary of Facilities

| Year | Facility               | Type           | Purpose                      | Outcome                    |
|------|------------------------|----------------|------------------------------|----------------------------|
| 2025 | Robotics Lab           | Advanced Lab   | Automation & robotics skills | Improved project work      |
| 2024 | Dedicated Language Lab | Skill Lab      | Communication skills         | Better placement           |
| 2024 | SolidWorks Software    | Design Tool    | 3D design skills             | Improved design capability |
| 2023 | Electric Vehicle Lab   | Emerging Tech  | EV technology training       | Industry readiness         |
| 2021 | E-Yantra Lab           | Innovation Lab | Embedded systems & robotics  | Student innovation         |

#### Detailed Facilities

##### Robotics Lab (2025)

Established to provide hands-on robotics training.

Proceedings: Approved by department, lab setup completed.

Utilization: Projects, workshops.

Outcome: Increased student innovation.

| Facility Name       | Details                                                                                        | Utilization                                                      | Areas in which students are expected to have enhanced learning                                       | Relevance to POs, PSOs                   |
|---------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------|
| Robotics Laboratory | Robotics trainer kits, sensors, actuators, microcontrollers, robotic arms and automation setup | For practical classes, mini projects, workshops and competitions | Students enhance knowledge in robotics, automation, programming, problem solving and control systems | PO1, PO2, PO3, PO4, PO6, PO7, PS01, PS02 |

H.O.D  
Department of  
Electrical Engineering  
Govt. Polytechnic Lakhisarai

9

**Office of the Principal**  
**Govt. Polytechnic Lakhisarai - 811311**

Letter No.- 187

Date:- 10.02.2024

From,

Principal  
Govt. Polytechnic Lakhisarai

To,

SANAKO Education India Pvt. Ltd.  
New Delhi- 110017

Subject - Supply SANAKO Software Platform+ SANAKO SLH07 Headset

Sir,

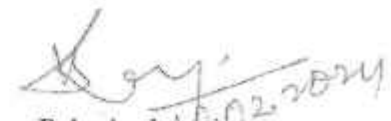
Please refer to your quotation on dated- 09/02/2024 and supply the item as mentioned below as per government estimated approved rates within 10 days from the date of order.

1. This is being Govt. Office, entitled to pay taxes (Central and State) at the applicable rates, necessary declaration will be issued along with the payment, all kind of applicable taxes has to be clearly mentioned in the invoice.
2. The article must be supplied as per prescribed specification, size, quality and brand and also as per requirement and quotation. It also must contain any other accessories and related item to run the specified items. If any deviation will be found, the supply order must be cancelled and no any compensation will be paid to the supplier.
3. The article must be brand new of same model and make as mentioned in order/quotation.
4. You will have to kindly install, demonstrate the functioning of item in the office of the undersigned at your cost.
5. Payment will be made after successful demonstration, commissioning and installation of the item.
6. If any deviation will be found in the specification of the item, the supply order will be cancelled and no compensation will be paid.
7. The price of the item will be inclusive of all taxes, demonstration and commissioning or installation expenses and FDR.
8. In invoice BST/CST/TOT/GST should be mentioned separately.
9. The item should be of standard and good quality.
10. Invoice should be in two original copies.

Enclosure :-

1. List of item should be supply.

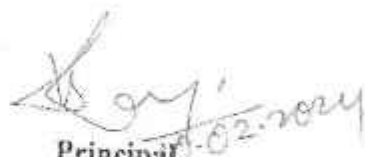
  
**H.O.D**  
Department of  
Electrical Engineering  
Govt. Polytechnic, Lakhisarai

  
**Principal** 10.02.2024  
Govt. Polytechnic Lakhisarai  
**Principal**  
Govt. Polytechnic, Lakhisarai

**Govt. Polytechnic Lakhisarai**  
**List of item to be Supplied**

| Sl. No. | Item Name                                                      | Specification                    | Quantity | Total Amount<br>in Rs. with all<br>taxes |
|---------|----------------------------------------------------------------|----------------------------------|----------|------------------------------------------|
| 1       | SANAKO<br>Software<br>platform +<br>SANAKO<br>SLH07<br>Headset | As mentioned in<br>the Quotation | 50       | 492800.00                                |

  
**H.O.D**  
Department of  
Electrical Engineering  
Govt. Polytechnic, La'hisarai

  
Principal  
Govt. Polytechnic Lakhisarai

Principal  
Govt. Polytechnic, Lakhisarai

## Product License

### Thank You for Purchasing a SANAKO Product

Registering your software will ensure that you to receive free information on the latest product upgrades and updates by email.

### Getting Technical Support

For Technical support, please contact your local reseller.

You can also visit [sanako.com/support](http://sanako.com/support) for user documentation, knowledge base and downloads or contact SANAKO support by email through our web site by filling a support request form. You can contact SANAKO support by sending an email to [vivek.gupta@sanako.com](mailto:vivek.gupta@sanako.com) or [suprabhat.jha@sanako.com](mailto:suprabhat.jha@sanako.com)

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### Here is your License information:

Product Name and Version number:

| Product Name                 | Version | Token                         | Quantity |
|------------------------------|---------|-------------------------------|----------|
| Sanako Study Language Lab    | 9.X     | S1209-95559-29437-7745A-5AF46 | 50       |
|                              |         | S1209-D48F4-53AAF-F24FB-09EEE |          |
|                              |         | S1209-6EA64-C7AEF-E449C-188A1 |          |
|                              |         | S1209-39793-5D7CF-AEFEF-4B077 |          |
| Sanako Pronounce with editor | 2.x     | PRON2-4FE25-BCE37-8E4A4-AAFA7 | 50       |
| Pronounce Activity           |         | TUTPR-0707A-4520C-DF4EA-79274 | 50       |
| English Content              |         | COBOT-BD63D-1F7B4-49489-58CD0 | 50       |

Customer Name:

Govt. Polytechnic, Lakhisarai

 H.O.D  
Department of  
Electrical Engineering  
Govt. Polytechnic, Lakhisarai



Sanako Education India Pvt Ltd  
419, 4th Floor, Rectangle 1, Saket  
New Delhi-110017

## Invoice

**BILL TO:**

The Principal  
Government Polytechnic  
Lakshi Sarai

**DATE:**

01-03-2024

**Tax Invoice No.**

SIN/1272

**TIN No**

07606902565

**PAN -**

AAOCS7753D

**GSTIN No.**

07AAOCS7753D120

**State Code**

07

**Due date**

Advance

**HSN Code**

998434

**SAC Code****Your order Number**

Letter No - 187 Dated -10-2-2024

**Customer Names**

| DESCRIPTION                                  | Qty          | AMOUNT              |
|----------------------------------------------|--------------|---------------------|
| Sanako Software Platform                     | 50           | 208814              |
|                                              |              |                     |
|                                              |              |                     |
| Account Name: Sanako Education India Pvt Ltd |              |                     |
| Account No : 59219999169878                  |              |                     |
| Bank : HDFC Bank, Sector 63, Noida           |              |                     |
| IFSC Code - HDFC0000975                      |              |                     |
|                                              | SUBTOTAL     | Rs. 2,08,814        |
|                                              | CGST 9%      | Rs. 0               |
|                                              | SGST 9%      | Rs. 0               |
|                                              | IGST 18%     | Rs. 37,586          |
|                                              | <b>TOTAL</b> | <b>Rs. 2,46,400</b> |

Rupees Two Lakh Fourty Six Thousand Four Hundred Only

Make all cheques payable to  
Sanako Education India Pvt. Ltd.

Authorised Signatory

If you have any questions about this tax invoice, please contact :

Vivek Gupta : vivek.gupta@sanako.com : +91-9999169878

Thank You !

E&OE

  
H.O.D.  
Department of  
Electrical Engineering  
Govt. Polytechnic, Lakshi Sarai

**SANAKO**

Sanako Education India Pvt. Ltd.  
Regus Business Centre Pvt Ltd.,  
Rectangle 1, 4<sup>th</sup> Floor,  
Salted, New Delhi - 110017.  
India  
Phone: +91-9999162978  
Vivek.papla@sanako.com  
www.sanako.com

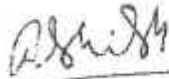
|                                      |                                    |
|--------------------------------------|------------------------------------|
| Name of Institution                  | GOVERNMENT POLYTECHNIC, LAKHISARAI |
| Date of Installation                 | 27.02.2024                         |
| Name of Sanako Representative        | Mr. Ashish Choudhary               |
| Name of Institution Authority        | Dr. RAJESH KUMAR RAJAN             |
| Contact No. of Institution Authority | 7374888700                         |
| Mail ID of Institution Authority     | gp.lakh@pmgtl.com                  |
| PO No                                |                                    |

**Subject: Installation certificate & Satisfactory certificate**

Following Software's has been installed and tested the lab and we are satisfied with the working. Training sessions have been conducted for the trainers.

Following Items were installed:

| Product Description                                                                                                                                                                | Qty  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| Language Lab Software - Multimedia Interactive Language Lab S/w with Life time Licensing - Sanako Study 1200 with English content, ' Sanako Pronounce and Sky products for English | 50-Y |



Signature for Sanako Representative



Signature of Customer:

Date: 27.02.2024

Principal  
Govt. Polytechnic, Lakhisarai

  
**H.O.D**  
Department of  
Electrical Engineering  
Govt. Polytechnic, Lakhisarai

**प्राचार्य का कार्यालय**  
**राजकीय पोलिटेकनिक लखीसराय**

पत्रांक.....

दिनांक: .....

**कार्यालय आदेश**

सेवा में,

अंकित कुमार पटेलपिता - विनोद कु. चौधरीपता :- बघिनी कला, पोस्ट - बहुपर, प्रान्त-मौनोभा  
कैमूर, बिहार - 821109एतद द्वारा सूचित करना है कि आप अतिथि प्रयोगशाला सहायक (इलेक्ट्रिकल) के रूप में नवस्थापित राजकीय पोलिटेकनिक लखीसराय में छात्र/छात्राओं को आवश्यकतानुसार समय - समय पर शिक्षण का कार्य संपादित करेंगे।

अतः आपको निर्देशित किया गया है कि यथाशीघ्र संस्थान में आकर अपना कार्य आरंभ करें। इस संबंध में निम्नांकित शर्तें विशेष रूप में उल्लेखनीय हैं :-

- विज्ञान एवं प्राथमिकी विभाग, बिहार, पटना के निर्देशानुसार नियमित व्याख्याता/प्रयोगशाला सहायक/कर्मशाला-अनुदेशक के शैक्षणिक कार्यभार की पूर्ति के उपरान्त यदि शैक्षणिक कार्यभार शेष बचता है तो अतिथि व्याख्याता/प्रयोगशाला सहायक/कर्मशाला-अनुदेशक को आवंटित किया जा सकेगा।
- अतिथि व्याख्याता/प्रयोगशाला सहायक/कर्मशाला-अनुदेशक की उपस्थिति व बायोमेट्रिक मशीन एवं उपस्थिति पंजी में दर्ज कर सम्पादित किये गए वर्ग कार्य को प्रत्येक कार्य दिवस को ही अर्थात् उसी दिन निम्न प्रपत्र में प्राधिकृत सत्यापन पदाधिकारी/प्रभारी प्राधिकृत सत्यापन पदाधिकारी से सत्यापित करा लिया जाएगा। प्रपत्र का नमूना-

| Date | Semester & Branch | Period | Name of Subject/Name of Lab | Name of Topic/Name of Experiment | Biometric Record |                | Nos. of Period Taken | Signature of Guest Lecturer/Lab Assistant/Instructor | Signature of verifying Officer | Remarks |
|------|-------------------|--------|-----------------------------|----------------------------------|------------------|----------------|----------------------|------------------------------------------------------|--------------------------------|---------|
|      |                   |        |                             |                                  | Arrival Time     | Departure Time |                      |                                                      |                                |         |
|      |                   |        |                             |                                  |                  |                |                      |                                                      |                                |         |

- अतिथि व्याख्याता/अतिथि-अनुदेशक/अतिथि प्रयोगशाला सहायक के रूप में आपका कार्य पूर्णतः अस्थायी होगा। विभाग द्वारा नियमित/संविदा पर नियोजित कर्मियों के पदस्थापना के बाद आपका कार्य स्वतः समाप्त हो जायेगा।
- आपके कार्य के बावत भविष्य में आपके द्वारा अतिथि-व्याख्याता/अतिथि-अनुदेशक/अतिथि प्रयोगशाला सहायक के रूप में किये गये कार्य के आधार पर नियमितीकरण अथवा ऐसा कोई दावा अनुमान्य नहीं होगा।
- विभागीय नियमानुसार एवं आवंटन प्राप्त होने के बाद ही भुगतान किया जा सकेगा।
- यह कार्यदिश अधिकतम दो सेमेस्टर के लिए वैध होगा।
- प्रतिदिन वर्ग कार्य का विडियो VCS में अपलोड करने के बाद ही बिल भुगतान की प्रक्रिया पूर्ण की जाएगी।

हो/-

प्राचार्य

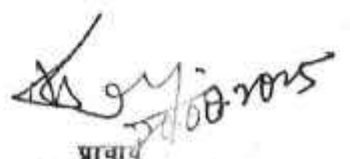
राजकीय पोलिटेकनिक लखीसराय

ज्ञापक: 586

/दिनांक: 20.08.2025

प्रतिलिपि सूचना पट्ट।

(Received original copy)

Ankit Kumar Patel  
20/08/2025


प्राचार्य

 राजकीय पोलिटेकनिक लखीसराय  
Principal  
Govt. Polytechnic, Lakhisara

 H.O.D  
Department of  
Electrical Engineering  
Polytechnic, Lakhisara

**प्राचार्य का कार्यालय  
राजकीय पोलिटेकनिक लखीसराय**

दिनांक: .....

पत्रांक: .....

**कार्यालय आदेश**

सेवा में,

मणिकान्त

पिता-श्री अयोध्याप्रसाद

ग्राम-गोपालपुर, पोस्ट-बहादुरपुर, जिला-भागलपुर

एतद् द्वारा सूचित करना है कि आप अतिथि अनुदेशक (इलेक्ट्रीकल) के रूप में नवस्थापित राजकीय पोलिटेकनिक लखीसराय में छात्र/छात्राओं को आवश्यकानुसार समय-समय पर शिक्षण का कार्य संपादित करेंगे।

अतः आपको निर्देशित किया गया है कि यथाशीघ्र संस्थान में आकर अपना कार्य आरंभ करें। इस संबंध में निम्नांकित शर्तें विशेष रूप में उल्लेखनीय हैं :-

1. विज्ञान एवं प्रावैधिकी विभाग, बिहार, पटना के निर्देशानुसार नियमित व्यवस्था/प्रयोगशाला-सहायक/कर्मशाला अनुदेशक के शैक्षणिक कार्यभार की पूर्ति के उपरान्त यदि शैक्षणिक कार्यभार शेष बचता है तो अतिथि व्यवस्था/प्रयोगशाला-सहायक/कर्मशाला अनुदेशक को आवंटित किया जा सकेगा।
2. अतिथि व्यवस्था/प्रयोगशाला-सहायक/कर्मशाला अनुदेशक की उपस्थिति को बायोमेट्रिक मशीन एवं उपस्थिति पंजी में दर्ज कर सम्पादित किये गए वर्ग कार्य को प्रत्येक कार्य दिवस को ही अर्थात् उसी दिन निम्न प्रपत्र में प्राधिकृत सत्यापन पदाधिकारी/प्रभारी प्राधिकृत सत्यापन पदाधिकारी से सत्यापित कर लिया जाएगा। प्रपत्र का नमूना-

| Date | Semester & Branch | Period | Name of Subject/Name of Lab | Name of Topic/Name of Experiment | Biometric Record |                | Nos. of Period Taken | Signature of Guest Lecturer/Lab Assistant/Instructor | Signature of verifying Officer | Remarks |
|------|-------------------|--------|-----------------------------|----------------------------------|------------------|----------------|----------------------|------------------------------------------------------|--------------------------------|---------|
|      |                   |        |                             |                                  | Arrival Time     | Departure Time |                      |                                                      |                                |         |
|      |                   |        |                             |                                  |                  |                |                      |                                                      |                                |         |

3. अतिथि व्यवस्था/अतिथि अनुदेशक/अतिथि प्रयोगशाला-सहायक के रूप में स्थापका कार्य पूर्णतः अस्थायी होगा। विभाग द्वारा नियमित/संविदा पर नियोजित कर्मियों के पदस्थापना के बाद आपका कार्य स्वतः समाप्त हो जायेगा।
4. आपके कार्य के बावत भविष्य में आपके द्वारा अतिथि व्यवस्था/अतिथि अनुदेशक/अतिथि प्रयोगशाला-सहायक के रूप में किये गये कार्य के आधार पर नियमितीकरण अथवा ऐसा कोई दावा अनुमान्य नहीं होगा।
5. विभागीय नियमानुसार एवं आवंटन प्राप्त होने के बाद ही भुगतान किया जा सकेगा।
6. यह कार्यदेश अधिकतम दो सेमेस्टर के लिए वैध होगा।
7. प्रतिदिन वर्ग कार्य का विडियो VCS में अपलोड करने के बाद ही बिल भुगतान की प्रक्रिया पूर्ण की जाएगी।

ज्ञापक: 574  
प्रतिलिपि: सूचना पट्ट।

/दिनांक: 14.08.2025

प्राप्त कि

मणिकान्त

14/08/2025

H.O.D

Department of

Electrical Engineering

Govt. Polytechnic

हो/-

प्राचार्य

राजकीय पोलिटेकनिक लखीसराय

14/08/2025

प्राचार्य

राजकीय पोलिटेकनिक लखीसराय

Principal

Govt. Polytechnic, Lakhisarai

प्राचार्य का कार्यालय  
राजकीय पोलिटेकनिक लखीसराय

पत्रांक 06/04

दिनांक: 06.04.2022

कार्यालय आदेश

सेवा में,

श्री अमित प्रताप

पिता-जन्मैजय सिंह

पता - जे. वी. भवन चौदपुर जिला पानी तंकी जम्कनपुर पटना - 800001

एतद् द्वारा सूचित करना है कि आप अतिथि कर्मशाला अनुदेशक के रूप में नवस्थापित राजकीय पोलिटेकनिक लखीसराय में छात्र/छात्राओं को आवश्यकतानुसार समय - समय पर शिक्षण का कार्य संपादित करेंगे।

अतः आपको निर्देशित किया गया है कि यथाशीघ्र संस्थान में आकर अपना कार्य आरंभ करें। इस संबंध में निम्नांकित शर्तें विशेष रूप में उल्लेखनीय हैं :-

- विज्ञान एवं प्रावैधिकी विभाग, बिहार, पटना के निर्देशानुसार नियमित व्याख्याता/प्रयोगशाला सहायक/कर्मशाला अनुदेशक के शैक्षणिक कार्यभार की पूर्ति के उपरान्त यदि शैक्षणिक कार्यभार शेष बचता है तो अतिथि व्याख्याता/प्रयोगशाला सहायक/कर्मशाला अनुदेशक को आवंटित किया जा सकेगा।
- अतिथि व्याख्याता/प्रयोगशाला सहायक/कर्मशाला अनुदेशक की उपस्थिति को बायोमेट्रिक मशीन एवं उपस्थिति पंजी में दर्ज कर सम्पादित किये गए वर्ग कार्य को प्रत्येक कार्य दिवस को ही अर्थात् उसी दिन निम्न प्रपत्र में प्राधिकृत सत्यापन पदाधिकारी/प्रभारी प्राधिकृत सत्यापन पदाधिकारी से सत्यापित करा लिया जाएगा। प्रपत्र का नमूना-

| Date | Semester & Branch | Period | Name of Subject/Name of Lab | Name of Topic/Name of Experiment | Biometric Record |                | Nos. of Period Taken | Signature of Guest Lecturer/Lab Assistant/Instructor | Signature of verifying Officer | Remarks |
|------|-------------------|--------|-----------------------------|----------------------------------|------------------|----------------|----------------------|------------------------------------------------------|--------------------------------|---------|
|      |                   |        |                             |                                  | Arrival Time     | Departure Time |                      |                                                      |                                |         |
|      |                   |        |                             |                                  |                  |                |                      |                                                      |                                |         |

- अतिथि व्याख्याता/अतिथि अनुदेशक/अतिथि प्रयोगशाला सहायक के रूप में आपका कार्य पूर्णतः अस्थायी होगा। विभाग द्वारा नियमित/संविदा पर नियोजित कर्मियों के पदस्थापना के बाद आपका कार्य स्वतः समाप्त हो जायेगा।
- आपके कार्य के बावत भविष्य में आपके द्वारा अतिथि व्याख्याता/अतिथि अनुदेशक/अतिथि प्रयोगशाला सहायक के रूप में किये गये कार्य के आधार पर नियमितीकरण अथवा ऐसा कोई दावा अनुमान्य नहीं होगा।
- विभागीय नियमानुसार एवं आवंटन प्राप्त होने के बाद ही भुगतान किया जा सकेगा।
- यह कार्यदेश अधिकतम दो सेमेस्टर के लिए वैध होगा।
- प्रतिदिन वर्ग कार्य का विडियो VCS में अपलोड करने के बाद ही बिल भुगतान की प्रक्रिया पूर्ण की जाएगी।

ज्ञापांक: 06/04  
प्रतिलिपि: सूचना पट्ट।

/दिनांक: 06.04.2022

हो/-

प्राचार्य

राजकीय पोलिटेकनिक लखीसराय

H.O.D  
Department of  
Electrical Engineering  
Govt. Polytechnic, Lakhisarai

06.04.2022  
प्राचार्य  
राजकीय पोलिटेकनिक लखीसराय  
Principal  
Govt. Polytechnic, Lakhisarai

प्राचार्य का कार्यालय  
राजकीय पोलिटेकनिक लखीसराय

पत्रांक: 456

दिनांक: 4/7/23

कार्यालय आदेश

सेवा में,

शुभ्री प्रिंका कुमारी

पिता - उपेन्द्र दास, P.N. Road Cu - 201/1, बहीपाड़ा, जमालपुर, जिला - मुंगेर

पिन - 811214, बिहार

एतद् द्वारा सूचित करना है कि आप अतिथि प्रयोगशाला सहायक के रूप में नवस्थापित राजकीय पोलिटेकनिक लखीसराय : छात्र/छात्राओं को आवश्यकतानुसार समय - समय पर शिक्षण का कार्य संपादित करेंगे।

अतः आपको निर्देशित किया गया है कि यथाशीघ्र संस्थान में आकर अपना कार्य आरंभ करें। इस संबंध में निम्नांकित शर्तें विशेष रूप : उल्लेखनीय हैं :-

- विज्ञान एवं प्रावधिकी विभाग, बिहार, पटना के निर्देशानुसार नियमित व्याख्याता/प्रयोगशाला सहायक/कर्मशाला अनुदेशक के शैक्षणिक कार्यभा की पूर्ति के उपरान्त यदि शैक्षणिक कार्यभार शेष बचता है तो अतिथि व्याख्याता/प्रयोगशाला सहायक/कर्मशाला अनुदेशक को आवंटित कि जा सकेगा।
- अतिथि व्याख्याता/प्रयोगशाला सहायक/कर्मशाला अनुदेशक की उपस्थिति को बायोमेट्रिक मशीन एवं उपस्थिति पंजी में दर्ज कर सम्पादित किये गए वर्ग कार्य को प्रत्येक कार्य दिवस को ही अर्थात् उसी दिन निम्न प्रपत्र में प्राधिकृत सत्यापन पदाधिकारी/प्रभारी प्राधिकृत सत्यापन पदाधिकारी से सत्यापित करा लिया जाएगा। प्रपत्र का नमूना-

| Date | Semester & Branch | Period | Name of Subject/Name of Lab | Name of Topic/Name of Experiment | Biometric Record |                | Nos. of Period Taken | Signature of Guest Lecturer/Lab Assistant/Instructor | Signature of verifying Officer | Remarks |
|------|-------------------|--------|-----------------------------|----------------------------------|------------------|----------------|----------------------|------------------------------------------------------|--------------------------------|---------|
|      |                   |        |                             |                                  | Arrival Time     | Departure Time |                      |                                                      |                                |         |
|      |                   |        |                             |                                  |                  |                |                      |                                                      |                                |         |

- अतिथि व्याख्याता/अतिथि अनुदेशक/अतिथि प्रयोगशाला सहायक के रूप में आपका कार्य पूर्णतः अस्थायी होगा। विभाग द्वारा नियमित/संविद पर नियोजित कर्मियों के पदस्थापना के बाद आपका कार्य स्वतः समाप्त हो जायेगा।
- आपके कार्य के बावत भविष्य में आपके द्वारा अतिथि व्याख्याता/अतिथि अनुदेशक/अतिथि प्रयोगशाला सहायक के रूप में किये गये कार्य व आधार पर नियमितीकरण अथवा ऐसा कोई दावा अनुमान्य नहीं होगा।
- विभागीय नियमानुसार एवं आवंटन प्राप्त होने के बाद ही भुगतान किया जा सकेगा।
- यह कार्यादेश अधिकतम दो सेमेस्टर के लिए वैध होगा।
- प्रतिदिन वर्ग कार्य का विडियो VCS में अपलोड करने के बाद ही बिल भुगतान की प्रक्रिया पूर्ण की जाएगी।

ज्ञापक: 456  
प्रतिलिपि: सूचना पट्ट।

/दिनांक: 4/7/23

हो/-  
प्राचार्य  
राजकीय पोलिटेकनिक लखीसराय

H.O.D  
Department of  
Electrical Engineering  
Govt. Polytechnic

4.7.2023  
प्राचार्य  
राजकीय पोलिटेकनिक लखीसराय  
Principal  
Govt. Polytechnic, Lakhisarai  
Ranish  
04.07.23

**प्राचार्य का कार्यालय  
राजकीय पोलिटेकनिक लखीसराय**

पत्रांक:.....

दिनांक: .....

**कार्यालय आदेश**

सेवा में,

**श्री कुमार हर्ष**

**पिता - बिभाष कुमार भादव**

**गांव - छोटी महुली, पोस्ट - वासुदेवपुर**

**मुंगेर, बिहार, 811201**

एतद द्वारा सूचित करना है कि आप अतिथि **प्रयोगशाला सहायक** के रूप में नवस्थापित राजकीय पोलिटेकनिक छात्र/छात्राओं को आवश्यकतानुसार समय - समय पर शिक्षण का कार्य संपादित करेंगे।  
अतः आपको निर्देशित किया गया है कि यथाशीघ्र संस्थान में आकर अपना कार्य आरंभ करें। इस संबंध में निम्नांकित शर्तें विचार में उल्लेखनीय हैं :-

1. विज्ञान एवं प्रावैधिकी विभाग, बिहार, पटना के निर्देशानुसार नियमित व्याख्याता/प्रयोगशाला सहायक/कर्मशाला अनुदेशक के शैक्षिकी पूर्ति के उपरान्त यदि शैक्षणिक कार्यभार शेष बचता है तो अतिथि व्याख्याता/प्रयोगशाला सहायक/कर्मशाला अनुदेशक जा सकेगा।
2. अतिथि व्याख्याता/प्रयोगशाला सहायक/कर्मशाला अनुदेशक की उपस्थिति को बायोमेट्रिक मशीन एवं उपस्थिति पंजी में दर्ज व किये गए वर्ग कार्य को प्रत्येक कार्य दिवस को ही अर्थात् उसी दिन निम्न प्रपत्र में प्राधिकृत सत्यापन पदाधिकारी/प्रभारी प्राध्यापक/पदाधिकारी से सत्यापित करा लिया जाएगा। प्रपत्र का नमूना:-

| Date | Semester & Branch | Period | Name of Subject/Name of Lab | Name of Topic/Name of Experiment | Biometric Record |                | Nos. of Period Taken | Signature of Guest Lecturer/Lab Assistant/Instructor | Signature of verifying Officer |
|------|-------------------|--------|-----------------------------|----------------------------------|------------------|----------------|----------------------|------------------------------------------------------|--------------------------------|
|      |                   |        |                             |                                  | Arrival Time     | Departure Time |                      |                                                      |                                |
|      |                   |        |                             |                                  |                  |                |                      |                                                      |                                |

3. अतिथि व्याख्याता/अतिथि अनुदेशक/अतिथि प्रयोगशाला सहायक के रूप में आपका कार्य पूर्णतः अस्थायी होगा। विभाग द्वारा पर नियोजित कर्मियों के पदस्थापना के बाद आपका कार्य स्वतः समाप्त हो जायेगा।
4. आपके कार्य के बावत भविष्य में आपके द्वारा अतिथि व्याख्याता/अतिथि अनुदेशक/अतिथि प्रयोगशाला सहायक के रूप में किये आधार पर नियमितीकरण अथवा ऐसा कोई दावा अनुमान्य नहीं होगा।
5. विभागीय नियमानुसार एवं आवंटन प्राप्त होने के बाद ही भुगतान किया जा सकेगा।
6. यह कार्यदेश अधिकतम दो सेमेस्टर के लिए वैध होगा।
7. प्रतिदिन वर्ग कार्य का विडियो VCS में अपलोड करने के बाद ही बिल भुगतान की प्रक्रिया पूर्ण की जाएगी।

ज्ञापक: 003  
प्रतिलिपि: सूचना पट्ट।

/दिनांक: 02.01.2024

हस्ताक्षर:-  
प्राचार्य  
राजकीय पोलिटेकनिक लखीसराय

*(Signature)*  
02/01/2024  
प्राचार्य

राजकीय पोलिटेकनिक लखीसराय  
**Principal**  
Govt. Polytechnic, Lakhisarai

*(Signature)*  
**H.O.D**  
Department of  
Electrical Engineering  
Govt. Polytechnic, Lakhisarai

**प्राचार्य का कार्यालय**  
**राजकीय पोलिटेकनिक लखीसराय**

पत्रांक.....

दिनांक: .....

**कार्यालय आदेश**

सेवा में,

**राहुल कुमार**  
**पिता-श्री पिरैन्द्र प्रसाद**

**ग्राम-मानपुर पैहनी कोयरी टोला, मानपुर, जयपुर।**

एतद् द्वारा सूचित करना है कि आप अतिथि-प्रयोगशाला सहायक रूप में नवस्थापित राजकीय पोलिटेकनिक लखीसराय में छात्र/छात्राओं को आवश्यकतानुसार समय - समय पर शिक्षण का कार्य संपादित करेंगे।  
अतः आपको निर्देशित किया गया है कि यथाशीघ्र संस्थान में आकर अपना कार्य आरंभ करें। इस संबंध में निम्नांकित शर्तें विशेष रूप में उल्लेखनीय हैं :-

1. विज्ञान एवं प्रावैधिकी विभाग, बिहार, पटना के निर्देशानुसार नियमित व्याख्याता/प्रयोगशाला सहायक/कर्मसला-अनुदेशक के शैक्षणिक कार्यभार की पूर्ति के उपरान्त यदि शैक्षणिक कार्यभार शेष बचता है तो अतिथि व्याख्याता/प्रयोगशाला सहायक/कर्मसला-अनुदेशक को आवंटित किया जा सकेगा।
2. अतिथि व्याख्याता/प्रयोगशाला सहायक/कर्मसला-अनुदेशक की उपस्थिति को बायोमेट्रिक मशीन एवं उपस्थिति पंजी में दर्ज कर सम्पादित किये गए वर्ग कार्य को प्रत्येक कार्य दिवस को ही अर्थात् उसी दिन निम्न प्रपत्र में प्राधिकृत सत्यापन पदाधिकारी/प्रभारी प्राधिकृत सत्यापन पदाधिकारी से सत्यापित करा लिया जाएगा। प्रपत्र का नमूना-

| Date | Semester & Branch | Period | Name of Subject/Name of Lab | Name of Topic/Name of Experiment | Biometric Record |                | Nos. of Period Taken | Signature of Guest Lecturer/Lab Assistant/Instructor | Signature of verifying Officer | Remarks |
|------|-------------------|--------|-----------------------------|----------------------------------|------------------|----------------|----------------------|------------------------------------------------------|--------------------------------|---------|
|      |                   |        |                             |                                  | Arrival Time     | Departure Time |                      |                                                      |                                |         |
|      |                   |        |                             |                                  |                  |                |                      |                                                      |                                |         |

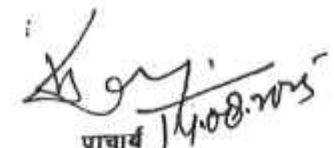
3. अतिथि व्याख्याता/अतिथि-अनुदेशक/अतिथि प्रयोगशाला सहायक के रूप में आपका कार्य पूर्णतः अस्थायी होगा। विभाग द्वारा नियमित/संविदा पर नियोजित कर्मियों के पदस्थापना के बाद आपका कार्य स्वतः समाप्त हो जायेगा।
4. आपके कार्य के बावत भविष्य में आपके द्वारा अतिथि व्याख्याता/अतिथि-अनुदेशक/अतिथि प्रयोगशाला सहायक के रूप में किये गये कार्य के आधार पर नियमितीकरण अथवा ऐसा कोई दावा अनुमान्य नहीं होगा।
5. विभागीय नियमानुसार एवं आवंटन प्राप्त होने के बाद ही भुगतान किया जा सकेगा।
6. यह कार्यदेश अधिकतम दो सेमेस्टर के लिए वैध होगा।
7. प्रतिदिन वर्ग कार्य का विडियो VCS में अपलोड करने के बाद ही बिल भुगतान की प्रक्रिया पूर्ण की जाएगी।

ज्ञापक: 573  
प्रतिलिपि सूचना पट्ट।

दिनांक: 14.08.2025  
हस्ताक्षर किया

Rahul Kumar  
14/08/2025

हो/-  
प्राचार्य  
राजकीय पोलिटेकनिक लखीसराय

  
प्राचार्य 14.08.2025  
राजकीय पोलिटेकनिक लखीसराय  
Principal  
Govt. Polytechnic, Lakhisarai

H.O.D  
Department of  
Electrical Engineering  
Govt. Polytechnic Lakhisarai

प्राचार्य का कार्यालय  
राजकीय पोलिटेकनिक, लखीसराय - 811311

पत्रांक -

लखीसराय/दिनांक-

कार्यालय आदेश

विज्ञापन संख्या - 02/19-20 के आलोक में अकादमिक उपलब्धि, साक्षात्कार और वर्ग कार्य के गुणवत्ता के आधार पर आरक्षण नीति का पालन करते हुए श्री पंडित कुमार रवि कुमार को अतिथि अनुदेशक के रूप में कार्य करने का आदेश दिया जाता है।

यह आदेश प्रथम एक सेमेस्टर (विषय- 2019) 31 दिसम्बर 2019 तक प्रभावी रहेगा। छात्र एवं विभागाध्यक्ष से प्राप्त अनुमोदन के आधार पर अगले सेमेस्टर (सत्र-2019-20) के लिए यह कार्यदेश बढ़ाया जा सकता है।

यह पूर्णतया अस्थायी व्यवस्था है। विभाग से अनुदेशक की नियुक्ति होते ही आपकी सेवा स्वतः समाप्त समझी जाएगी।

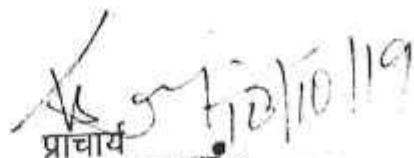
प्राचार्य  
राजकीय पोलिटेकनिक, लखीसराय।

ज्ञापक :- 584(H)

लखीसराय/दिनांक- 18.10.19

प्रतिलिपि :- श्री पंडित कुमार रवि कुमार (अतिथि अनुदेशक)

  
**H.O.D**  
Department of  
Electrical Engineering  
Govt. Polytechnic, Lakhisarai

  
प्राचार्य  
राजकीय पोलिटेकनिक, लखीसराय।  
लखीसराय

प्राचार्य का कार्यालय  
राजकीय पोलिटेकनिक, लखीसराय - 811311

पत्रांक -

लखीसराय / दिनांक -

कार्यालय आदेश

विज्ञापन संख्या - 02/19-20 के आलोक में अकादमिक उपलब्धि, साक्षात्कार और वर्ग कार्य के गुणवत्ता के आधार पर आरक्षण नीति का पालन करते हुए श्री निरविल कुमार, कैप्टल को अतिथि अनुदेशक के रूप में कार्य करने का आदेश दिया जाता है।

यह आदेश प्रथम एक सेमेस्टर (विषय- 2019) 31 दिसम्बर 2019 तक प्रभावी रहेगा। छात्र एवं विभागाध्यक्ष से प्राप्त अनुमोदन के आधार पर अगले सेमेस्टर (सत्र-2019-20) के लिए यह कार्यदेश बढ़ाया जा सकता है।

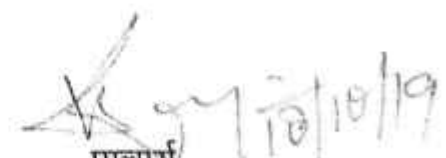
यह पूर्णतया अस्थायी व्यवस्था है। विभाग से अनुदेशक की नियुक्ति होते ही आपकी सेवा स्वतः समाप्त समझी जाएगी।

प्राचार्य  
राजकीय पोलिटेकनिक, लखीसराय।

ज्ञापक :- 554(L)  
प्रतिलिपि :- निरविल कुमार

लखीसराय / दिनांक - 15.10.19

  
H.O.D  
Department of  
Electrical Engineering  
Govt. Polytechnic, Lakhisarai

  
प्राचार्य  
राजकीय पोलिटेकनिक, लखीसराय।

**प्राचार्य का कार्यालय**  
**राजकीय पोलिटेकनिक, लखीसराय - 811311**

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पत्रांक -

लखीसराय / दिनांक -

**कार्यालय आदेश**

विज्ञापन संख्या - 02/19-20 के आलोक में अकादमिक उपलब्धि, साक्षात्कार और वर्ग कार्य के गुणवत्ता के आधार पर आरक्षण नीति का पालन करते हुए श्री राजकीय पोलिटेकनिक, लखीसराय को अतिथि प्रयोगशाला सहायक के रूप में कार्य करने का आदेश दिया जाता है।

यह आदेश प्रथम एक सेमेस्टर (विषय- 2019) 31 दिसम्बर 2019 तक प्रभावी रहेगा। छात्र एवं विभागाध्यक्ष से प्राप्त अनुमोदन के आधार पर अगले सेमेस्टर (सत्र-2019-20) के लिए यह कार्यदेश बढ़ाया जा सकता है।

यह पूर्णतया अस्थायी व्यवस्था है। विभाग से प्रयोगशाला सहायक की नियुक्ति होते ही आपकी सेवा स्वतः समाप्त समझी जाएगी।

प्राचार्य  
राजकीय पोलिटेकनिक, लखीसराय।

ज्ञापक :- 554 (F)

लखीसराय / दिनांक - 18.10.19

प्रतिलिपि :- श्री राजकीय पोलिटेकनिक, लखीसराय

  
18/10/19

प्राचार्य  
राजकीय पोलिटेकनिक, लखीसराय।

  
**H.O.D.**  
Department of  
Electrical Engineering  
Govt. Polytechnic, Lakhisarai

प्राचार्य का कार्यालय  
राजकीय पोलिटेकनिक, लखीसराय - 811311

पत्रांक -

लखीसराय / दिनांक -

कार्यालय आदेश

विज्ञापन संख्या - 02/19-20 के आलोक में अकादमिक उपलब्धि, साक्षात्कार और वर्ग कार्य के गुणवत्ता के आधार पर आरक्षण नीति का पालन करते हुए श्री विभाष कुमार, के.ग.खाला को अतिथि अनुदेशक के रूप में कार्य करने का आदेश दिया जाता है।

यह आदेश प्रथम एक सेमेस्टर (विषय- 2019) 31 दिसम्बर 2019 तक प्रभावी रहेगा। छात्र एवं विभागाध्यक्ष से प्राप्त अनुमोदन के आधार पर अगले सेमेस्टर (सत्र-2019-20) के लिए यह कार्यदेश बढ़ाया जा सकता है।

यह पूर्णतया अस्थायी व्यवस्था है। विभाग से अनुदेशक की नियुक्ति होते ही आपकी सेवा स्वतः समाप्त समझी जाएगी।

प्राचार्य  
राजकीय पोलिटेकनिक, लखीसराय।

ज्ञापक :- 85400

लखीसराय / दिनांक - 18/10/19

प्रतिलिपि :- श्री विभाष कुमार, के.ग.खाला (CCP) (के.ग.खाला)

  
प्राचार्य  
राजकीय पोलिटेकनिक, लखीसराय।  
राजकीय पोलिटेकनिक  
लखीसराय।

  
H.O.D  
Department of  
Electrical Engineering  
Govt. Polytechnic, Lakhisarai

**प्राचार्य का कार्यालय**  
**राजकीय पोलिटेकनिक, लखीसराय - 811311**

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पत्रांक -

लखीसराय / दिनांक -

**कार्यालय आदेश**

विज्ञापन संख्या - 02/19-20 के आलोक में अकादमिक उपलब्धि, साक्षात्कार और वर्ग कार्य के गुणवत्ता के आधार पर आरक्षण नीति का पालन करते हुए श्री सुरज कुमार को अतिथि प्रयोगशाला सहायक के रूप में कार्य करने का आदेश दिया जाता है।

यह आदेश प्रथम एक सेमेस्टर (विषय- 2019) 31 दिसम्बर 2019 तक प्रभावी रहेगा। छात्र एवं विभागाध्यक्ष से प्राप्त अनुमोदन के आधार पर अगले सेमेस्टर (सत्र-2019-20) के लिए यह कार्यदेश बढ़ाया जा सकता है।

यह पूर्णतया अस्थायी व्यवस्था है। विभाग से प्रयोगशाला सहायक की नियुक्ति होते ही आपकी सेवा स्वतः समाप्त समझी जाएगी।

प्राचार्य

राजकीय पोलिटेकनिक, लखीसराय।

ज्ञापक :- 554(E)

लखीसराय / दिनांक - 18.10.19

प्रतिलिपि :- श्री सुरज कुमार को कार्य के आधार पर (प्रयोगशाला सहायक)

प्राचार्य

राजकीय पोलिटेकनिक, लखीसराय।

  
**H.O.D**  
**Department of**  
**Electrical Engineering**  
**Govt. Polytechnic, Lakhisarai**

प्राचार्य का कार्यालय  
राजकीय पोलिटेकनिक, लखीसराय - 811311

पत्रांक -

लखीसराय/दिनांक-

कार्यालय आदेश

विज्ञापन संख्या - 02/19-20 के आलोक में अकादमिक उपलब्धि, साक्षात्कार और वर्ग कार्य के गुणवत्ता के आधार पर आरक्षण नीति का पालन करते हुए श्री विपिन कुमार सिंह, वरिष्ठ छात्र को अतिथि अनुदेशक के रूप में कार्य करने का आदेश दिया जाता है।

यह आदेश प्रथम एक सेमेस्टर (विषय- 2019) 31 दिसम्बर 2019 तक प्रभावी रहेगा। छात्र एवं विभागाध्यक्ष से प्राप्त अनुमोदन के आधार पर अगले सेमेस्टर (सत्र-2019-20) के लिए यह कार्यदेश बढ़ाया जा सकता है।

यह पूर्णतया अस्थायी व्यवस्था है। विभाग से अनुदेशक की नियुक्ति होते ही आपकी सेवा स्वतः समाप्त समझी जाएगी।

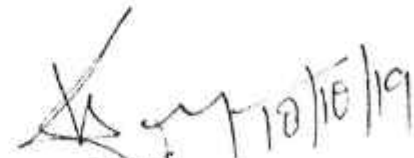
प्राचार्य  
राजकीय पोलिटेकनिक, लखीसराय।

ज्ञापांक :- 554/3

लखीसराय/दिनांक- 15.10.19

प्रतिलिपि :- श्री विपिन कुमार सिंह, वरिष्ठ छात्र (फैरींग)

  
H.O.D  
Department of  
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प्राचार्य  
राजकीय पोलिटेकनिक, लखीसराय।  
राजकीय पोलिटेकनिक  
लखीसराय

प्राचार्य का कार्यालय  
राजकीय पोलिटेकनिक लखीसराय

पत्रांक...128

दिनांक: 27.01.2024

सेवा में,

कार्यालय आदेश

श्री शशांत कुमार

पिता - हरिन्द्र कुमार सिंह

पता - दुर्गा मंदिर के पास, पुरनसराय, मुंगेर, 811201

एतद द्वारा सूचित करना है कि आप अतिथि कर्मशाला अनुदेशक के रूप में नवस्थापित राजकीय पोलिटेकनिक लखीसराय में छात्र/छात्राओं को आवश्यकतानुसार समय - समय पर शिक्षण का कार्य संपादित करेंगे।  
अतः आपको निर्देशित किया गया है कि यथाशीघ्र संस्थान में आकर अपना कार्य आरंभ करें। इस संबंध में निम्नांकित शर्तें विशेष रूप में उल्लेखनीय हैं :-

- विज्ञान एवं प्रादेशिकी विभाग, बिहार, पटना के निर्देशानुसार नियमित व्याख्याता/प्रयोगशाला सहायक/कर्मशाला अनुदेशक के शैक्षणिक कार्यभार की पूर्ति के उपरान्त यदि शैक्षणिक कार्यभार शेष बचता है तो अतिथि व्याख्याता/प्रयोगशाला सहायक/कर्मशाला अनुदेशक को आवंटित किया जा सकेगा।
- अतिथि व्याख्याता/प्रयोगशाला सहायक/कर्मशाला अनुदेशक की उपस्थिति को बायोमेट्रिक मशीन एवं उपस्थिति पंजी में दर्ज कर सम्पादित किये गए वर्ग कार्य को प्रत्येक कार्य दिवस को ही अर्थात् उसी दिन निम्न प्रपत्र में प्राधिकृत सत्यापन पदाधिकारी/प्रभारी प्राधिकृत सत्यापन पदाधिकारी से सत्यापित करा लिया जाएगा। प्रपत्र का नमूना-

| Date | Semester & Branch | Period | Name of Subject/Name of Lab | Name of Topic/Name of Experiment | Biometric Record |                | Nos. of Period Taken | Signature of Guest Lecturer/Lab Assistant/Instructor | Signature of verifying Officer | Remarks |
|------|-------------------|--------|-----------------------------|----------------------------------|------------------|----------------|----------------------|------------------------------------------------------|--------------------------------|---------|
|      |                   |        |                             |                                  | Arrival Time     | Departure Time |                      |                                                      |                                |         |
|      |                   |        |                             |                                  |                  |                |                      |                                                      |                                |         |

- अतिथि व्याख्याता/अतिथि अनुदेशक/अतिथि प्रयोगशाला सहायक के रूप में आपका कार्य पूर्णतः अस्थायी होगा। विभाग द्वारा नियमित/सुविदा पर नियोजित कर्मियों के पदस्थापना के बाद आपका कार्य स्वतः समाप्त हो जायेगा।
- आपके कार्य के बावत भविष्य में आपके द्वारा अतिथि व्याख्याता/अतिथि अनुदेशक/अतिथि प्रयोगशाला सहायक के रूप में किये गये कार्य के आधार पर नियमितीकरण अथवा ऐसा कोई दावा अनुमान्य नहीं होगा।
- विभागीय नियमानुसार एवं आवंटन प्राप्त होने के बाद ही भुगतान किया जा सकेगा।
- यह कार्यदेश अधिकतम दो सेमेस्टर के लिए वैध होगा।
- प्रतिदिन वर्ग कार्य का विडियो VCS में अपलोड करने के बाद ही बिल भुगतान की प्रक्रिया पूर्ण की जाएगी।

H.O.D  
Department of  
Electrical Engineering  
Govt. Polytechnic, Lakhisarai

Principal  
Govt. Polytechnic, Lakhisarai

**प्राचार्य का कार्यालय**  
**राजकीय पोलिटेकनिक लखीसराय**

पत्रांक: 127

दिनांक: 27.01.2024

**कार्यालय आदेश**

सेवा में,

श्री सिद्धांत भानु

पिता सरविंद कुमार

पता - नारायणपुर, जमालपुर, मुंगेर, 811214

एतद द्वारा सूचित करना है कि आप अतिथि कर्मशाला अनुदेशक के रूप में नवस्थापित राजकीय पोलिटेकनिक लखीसराय में छात्र/छात्राओं को आवश्यकतानुसार समय - समय पर शिक्षण का कार्य संपादित करेंगे।

अतः आपको निर्देशित किया गया है कि यथाशीघ्र संस्थान में आकर अपना कार्य आरंभ करें। इस संबंध में निम्नांकित शर्तें विशेष रूप में उल्लेखनीय हैं :-

- विज्ञान एवं प्राथमिकी विभाग, बिहार, पटना के निर्देशानुसार नियमित व्याख्याता/प्रयोगशाला सहायक/कर्मशाला अनुदेशक के शैक्षणिक कार्यभार की पूर्ति के उपरान्त यदि शैक्षणिक कार्यभार शेष बचता है तो अतिथि व्याख्याता/प्रयोगशाला सहायक/कर्मशाला अनुदेशक को आवंटित किया जा सकेगा।
- अतिथि व्याख्याता/प्रयोगशाला सहायक/कर्मशाला अनुदेशक की उपस्थिति को बायोमेट्रिक मशीन एवं उपस्थिति पंजी में दर्ज कर सम्पादित किये गए वर्ग कार्य को प्रत्येक कार्य दिवस को ही अर्थात् उसी दिन निम्न प्रपत्र में प्राधिकृत सत्यापन पदाधिकारी/प्रमारी प्राधिकृत सत्यापन पदाधिकारी से सत्यापित करा लिया जाएगा। प्रपत्र का नमूना-

| Date | Semester & Branch | Period | Name of Subject/Name of Lab | Name of Topic/Name of Experiment | Biometric Record |                | Nos. of Period Taken | Signature of Guest Lecturer/Lab Assistant/Instructor | Signature of verifying Officer | Remarks |
|------|-------------------|--------|-----------------------------|----------------------------------|------------------|----------------|----------------------|------------------------------------------------------|--------------------------------|---------|
|      |                   |        |                             |                                  | Arrival Time     | Departure Time |                      |                                                      |                                |         |
|      |                   |        |                             |                                  |                  |                |                      |                                                      |                                |         |

- अतिथि व्याख्याता/अतिथि अनुदेशक/अतिथि प्रयोगशाला सहायक के रूप में आपका कार्य पूर्णतः अस्थायी होगा। विभाग द्वारा नियमित/संविदा पर नियोजित कर्मियों के पदस्थापना के बाद आपका कार्य स्वतः समाप्त हो जायेगा।
- आपके कार्य के बावत भविष्य में आपके द्वारा अतिथि व्याख्याता/अतिथि अनुदेशक/अतिथि प्रयोगशाला सहायक के रूप में किये गये कार्य के आधार पर नियमितीकरण अथवा ऐसा कोई दावा अनुमान्य नहीं होगा।
- विभागीय नियमानुसार एवं आवंटन प्राप्त होने के बाद ही भुगतान किया जा सकेगा।
- यह कार्यदेश अधिकतम दो सेमेस्टर के लिए वैध होगा।
- प्रतिदिन वर्ग कार्य का विडियो VCS में अपलोड करने के बाद ही बिल भुगतान की प्रक्रिया पूर्ण की जाएगी।

ज्ञापक: 127  
प्रतिलिपि: सूचना पट्ट।

/दिनांक: 27.01.2024

हो/-  
प्राचार्य  
राजकीय पोलिटेकनिक लखीसराय

  
**H.O.D**  
Department of  
Electrical Engineering  
Govt. Polytechnic Lakhisarai

  
प्रमुख  
राजकीय पोलिटेकनिक लखीसराय  
Govt. Polytechnic, Lakhisarai