



Jorhat Kendriya Mahavidyalaya

Kenduguri, Jorhat-785010 (Assam)

Affiliated by Dibrugarh University

Supporting Documents for NAAC Self Study Report (SSR) (3rd Cycle) Period: 2017-2022

Criterion 5	Key Indicator: 5.1
Student Support and Progression	Student Support
Metric Number: 5.1.3	Students Benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years

**Prepared and submitted by
Jorhat Kendriya Mahavidyalaya**

Submitted To



NAAC

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL



Pranjal Dutta
Coordinator, IQAC



Principal
Jorhat Kendriya Mahavidyalaya
Kenduguri, Jorhat-10
Dr. Dulen Saikia
Principal



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Name of the Event	Add-on Course: LED bulb repairing technician
Organized By	Dept. of Physics, JKM in collaboration with Community College, JKM
Date	02-05-2022
No. of Participants	08

Syllabus of the Course

Three months add on certificate course on "LED bulb repairing technician" introduced by Physics Department, JKM in collaboration with Community College Jorhat Kendriya Mahavidyalaya.

Course Syllabus of Three month Add on certificate course on "LED bulb repairing technician" Total Credit: 9

Unit	Element	Topic	Credit
1.	Basics of Electronics and LED	1. Differentiate between various electronic and electrical components, materials and their specific properties, types and usages. 2. Differentiate between alternating current (AC) and direct current (DC). 3. Identify the types of solder and flux. List the function of the different. 4. Components of a soldering iron. Identify the selection criteria of a suitable tip. 5. Demonstrate the LED working principle. List the parameters which affect the overall life of LED. 6. Categorise LED into its various types such as indicator, illuminator and Chip on Board (COB). 7. List the advantages of LED light products. 8. List the basic parameters of LEDs and their importance in an LED products. 9. Distinguish between the different types of power sources used in LED lighting and their characteristics.	3
2.	LED Luminary Repair and Assembly	1. List the major components of an LED luminary such as LED light engine, LED Driver, LED heat sink and thermal pads. 2. Identify the tools required for LED product assembly. 3. List the materials used in LED product assembly. 4. Demonstrate basic knowledge of assembly of products such as spot light, LED bulb and LED tube light.	2
3.	Safety Standards and Procedures	1. Identify electrostatic discharge (ESD) causes and safety gear. 2. Identify and implement safety rules and company policy on personal protective equipment (PPE). 3. Use eye, respiratory and hearing protection as per company policy.	1
4.	Practical Classes	The Course contents given below	3

11/03/2022
Principal
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Syllabus of the Course

Practical Classes on Led bulb repairing

1. Electric circuit components such as diode, transistor, IC, LED, transformer, resistor, capacitor, thermistor, inductor, timer, motor, starter, connector, switch, PCB, relay.
2. Multimeter, power source.
3. Ammeter, voltmeter Soldering Iron, soldering ware, desoldering pump.
4. LED light, multimeter, tester, LCR meter and power analyser.
5. Stripper, cutter, screw driver set, plier, soldering pump, soldering iron.

(Rajib Bordoloi)
HOD
Dept. of Physics, JKM

(Arup Saikia)
Faculty
Dept. of Physics, JKM

(Amrit Dutta)
Faculty
Dept. of Physics, JKM

(Priyanus Kalita)
Guest Faculty
Sibsagar College, JKM

11/08/2022
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LIST OF STUDENTS OF ADD-ON COURSE ON LED BULB REPAIRING TECHNICIAN

List of Students for Add-on course:- LED Bulb Repairing

Name of Students:	Roll No:	Semester:	Subject of Add-on Course(Choose only One Course)
Ajit boruah	64	6th semester	LED Bulb Repairing Training (For Physics Students)
DEBASHIS BORAH	8	6th Semester	LED Bulb Repairing Training (For Physics Students)
Sunil Singh	31	6th semester	LED Bulb Repairing Training (For Physics Students)
Ranjit medhi	30	6 th semester	LED Bulb Repairing Training (For Physics Students)
Biplobjyoti khound	164	6th semester	LED Bulb Repairing Training (For Physics Students)
ABHIJIT BORUAH	17	6th SEMESTER	LED Bulb Repairing Training (For Physics Students)
Jimpi Basfor	03	6th sem	LED Bulb Repairing Training (For Physics Students)
X Modin doley	47	4th sem	LED Bulb Repairing Training (For Physics Students)
X Jyoti Das	43	4th semester	LED Bulb Repairing Training (For Physics Students)
X Bhaskar Doley	8	B.sc 4th sem	LED Bulb Repairing Training (For Physics Students)
X Sujata Dutta	44	4th semester	LED Bulb Repairing Training (For Physics Students)

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02/05/2022
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PRACTICAL CLASS ON LED BULB REPAIRING TECHNICIAN COURSE



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CERTIFICATE OF LED BULB REPAIRING TECHNICIAN COURSE



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TRADE MARK

12/6/22, 5:02 PM

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As on Date : 06/12/2022

Status : Accepted

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TM Application No.	5542921
Class	11
Date of Application	25/07/2022
Appropriate Office	KOLKATA
State	ASSAM
Country	India
Filing Mode	e-Filing
TM Applied For	JKM RHINO
TM Category	TRADE MARK
Trade Mark Type	DEVICE
User Detail	Proposed to be used
Certificate Detail	
Valid upto/ Renewed upto	
Proprietor name	(1) DR. DULEN SAIKIA Single Firm
Proprietor Address	Jorhat Kendriya Mahavidyalaya, Kenduguri Jorhat -10, Assam
Email Id	****clc85@gmail.com
Attorney name	AMANDEEP SINGH[23660]
Attorney Address	PLOT NO.62-63, KHASRA NO.103-104, RAJPUR KHURD EXTENSION, NEW DELHI-110068
Goods & Service Details	[CLASS : 11] LED LIGHT, LED BULB, LED TUBELIGHT.

Trade Mark Image : (1)



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