

From:

Ms. Dhanashri S. Balo

Assistant Professor in Commerce

Vidya Prabodhini College of Commerce, Education, Computer and Management
Parvari-Goa

01st March 2023

To

The Principal

Vidya Prabodhini College of Commerce,
Education, Computer and Management Parvari-Goa

Sub: Short term certificate course in 'Basics of Electrician/Technician'.

Respected Sir,

I the undersigned wish to organise a short term certificate course in Basics of Electrician/Technician as it will help the students to learn the Basics of Electrician and Technician. The detail proposal for the course along with the list of suggested resource person is attached herewith for your reference.

Kindly do the needful.

Thanking you,

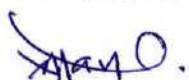
Yours faithfully.



Ms. Dhanashri S. Balo

(Assistant Professor in Commerce)

— IAC — for scrutiny & remarks



01-03-2023

— May be conducted


IAC - Co-ordinator

EVENT PROPOSAL
Event Details

Name of the Event: Basics of Electrician Technician

Academic Year: 2022-23

Type of the Event: Course

Reach of the Event: Local

Mode of Event: Offline

Date of Event: From 10-01-2023 To 28-02-2023

No of Day(s): 45 Hours

Objectives of the Event: To enhance the skills of the students

Outcomes of the Event: Students will able to learn the basics of electrician technician

A brief write-up about your Event (in about 300 words):

A Short Term Course in Basics of ^{Technician} will be held in the Month of January/February for the students and also it is open for general public. The course will help the students to acquire them additional skills and will also make them employable. The course will be of 45 hours.

After the completion of the course the certificate will be awarded to each participant.

Details about the external Collaborating/Associating agencies

Name of the collaborating agency: Jan Shikshan Sansthan

Address: Parvari Goa

Nature of the Collaboration: MoU

Details of Collaboration: Resource person

Participants' Details

Expected number of Participants:

Local	State	National	International	Total Delegates
20	0	0	0	20



Resource Persons' Details
Proposed registration fee to be collected from delegates

Sr. No.	Delegates	Amt. (₹) per person
1	Student and Research Scholar	500
2	Local Delegate	0
3	National Delegate	0
4	International Delegate	0
5	Institutional Delegate	0

Proposed sources of Funds

Sr. No.	Particulars	Amount (₹)
1	Registration fee:	10000
	TOTAL Funds in Rupees	10000

Proposed Expenditure

Sr. No.	Particulars	Amount (₹)
1	Food and Refreshments	1500
2	Miscellaneous	500
	TOTAL Expenditure in Rupees	2000

Event Coordinator Details

Name of the Department/Committee: Commerce

Name of the Event Co-ordinator: Dr. Ujvala Hanjunker

Event Co-ordinator email address: dhanashrishes74@gmail.com

Event Co-ordinator Mobile Number: 9823815489

Name of the Co-coordinator: Ms. Dhanashri Balo and Mr. Darshan S. Gaonkar

Signature of the Coordinator:



Signature of the Co-coordinator:



Date: 01-03-2023

Place: Porvorim - Goa



**Model Curriculum
Helper -Electrical Technician**

Course/Job Role	Particulars of Duration	
Helper-Electrical Technician		2-3 hours per day
	Total :	240 Hrs
	Theory:	60
	Practical:	120
	Employability Skills:	60

Minimum Educational qualification	5 th Pass
Minimum age	18 years

COURSE OBJECTIVES

After completion of the course, the trainees able to:

1. Gain knowledge of the fundamental laws of electricity.
2. Know about tools, equipment, material used in electrical work.
3. Have understanding about working principles of different electric accessories, fixture, meters, electrical gadgets, motors, transformers and pump sets.
4. Develop knowledge and skill about cell, batteries, electrical protective devices i.e. small rating transformers, MCBs, ELCBSs, RCCBs etc.-their testing and rectification.
5. The person will be able to establish their own shop/ venture in the local market.
6. Understand Employability Skills including Life Enrichment Education.

COURSE STRUCTURE**Knowledge Domain**

1. Various types of domestic electrical installations and maintenance, repair work.
2. Use of appropriate tools related to electrical work and electrical safety rules.
3. Repair or replace electrical equipment and fixtures

Skill Domain

1. Use of quality electrical tools
2. Work on electrical equipment i.e. motors, fans, coolers, wires etc.
3. Communication skills to handle the customers problem in time
4. Timely rectification of the problem/issue
5. Negotiation skills

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Trainers Qualification: ITI/Certificate course with Minimum 2 years of experience in the relevant job role. He/She should have knowledge of equipment, tools, materials, safety, health & hygiene. He/She may also be well versed with the employability skills etc.

Tools and Equipment

1. Combination plier 150 mm.
2. Insulated screw driver
3. Neon tester
4. Firmer chisel.
5. Plier flat nose
6. Standard wire guage
7. Bearing puller
8. Bench vise
9. Ball pen hammer
10. Straight pen hammer
11. Cross pen hammer
12. Flat file
13. Round file
14. Half round file
15. Multimeters (digital/ analog)
16. Hacksaw frame adjustable with blade 300mm
17. Electric drill machine 10mm
18. PPE (Protective Power Equipments) i.e. Safety Shoes, Safety Gloves, Safety Helmets etc.
19. AC/DC Volt meter
20. AC/DC Am-meter
21. Rheostat
22. Watt meter
23. Megger
24. Permanent Magnet
25. Electro Magnet
26. CT Transformer
27. PT Transformer

Samuel



Helper Electrical Technician

National Occupational Standards

1. Introduction to the trade
2. Safety precautions and First Aid
3. Knowledge about tools, equipment used in electrical work. Details of various electrical accessories and fixtures
4. Type of current and laws of resistance, electrical circuit problems, Protective devices
5. Cell and batteries and electro magnetism
6. Transformer, alternator, AC/DC motors and starters and knowledge about all measuring instrument, Earthing, Illumination, General transmission and distribution
7. Market Exposure
8. Employability Skills including Life Enrichment Education

Course Curriculum and Content aligned with NOS

1. Introduction

Topic : Introduction on helper-Electrical Technician Course and JSS Scheme

Topic	Introduction to JSS Scheme and Helper-Electrical Technician course
Content	<ul style="list-style-type: none">• Introduction to JSS Scheme• Introduction to the course 'Helper-Electrical Technician'• Awareness about market job opportunities and prospects of electrical technician in local market.
Methodology	Teaching , demonstration and use of printing materials. Visit to manufacturing units, repair centres etc.
Expected Learning Outcomes	<ul style="list-style-type: none">• Knows about the JSS scheme & and to get touch with different areas where electricity is needed in different ways .• Understands the relevance of the course "Helper-Electrical Technician" in income-generation
Total Hours	09 Hours

2. Safety precautions and First Aid

Topic	<ul style="list-style-type: none">• Preventive measures for electric shock, First Aid / Handling Electric Shock emergencies.
Content	<ul style="list-style-type: none">• Use of insulated tools while working.• Use of PPE (Personal Protective Equipment such as Safety Gloves, Safety Helmet, Safety Shoes etc)• First Aid in case of electrical shocks and emergencies• Work on electrical device i.e. Always turn off the main supply before working on electrical device
Methodology	<ul style="list-style-type: none">• Demonstration of Personal Protective Equipment for Hands, Feet, Eyes & Head• Insulation and uses of Rubber Gloves• Electric Shock Treatment (demonstration) etc.

Expected Learning Outcomes	<ul style="list-style-type: none"> • The trainee will be able to take preliminary care. • The trainee will be able to provide first aid in case of electric shocks. • Knows about tools and measuring instruments and is able to use them properly. • Understands the importance of taking necessary safety precautions while using the electrical tools and equipment.
Total Hours	06 Hours

3. Knowledge about tools and equipment used in electrical work. Details of various electrical accessories and fixtures

Sub Topic 1	Description and specification of different Tools and Equipment
Content	<ul style="list-style-type: none"> • Identification of tools, their use and proper care. • Details of various electrical Accessories and their specifications. • Use of tools • Care and maintenance of tools • Understand proper installation & maintenance of electrical accessories.
Methodology	<ul style="list-style-type: none"> • Familiarization with tools • Tools names and their uses • Demonstration of different electrical tools and equipment through pictures and physically. • Demonstration on use of electrical tools, equipment and fixture.
Expected Learning Outcomes	<ul style="list-style-type: none"> • Understands proper use of electrical tools, equipment and accessories. • Familiarity with tools, their names and working system • Understand use of different tools of electricity and know lay-arrangement of tools • Understand the proper installation of electrical accessories.
Total Hours	36 Hours

4. Type of current and laws of resistance, electrical circuit problems, protective devices.

Sub Topic 1	OHM 'law and resistances/lamp
Content	<ul style="list-style-type: none"> • Definition and colour code for carbon resistor. • Type of resistors. • Law of resistance. • Resistance in series, parallel and mixed grouping.
Methodology	<ul style="list-style-type: none"> • Resistance

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	<ul style="list-style-type: none"> To find the resistance of an iron box element using Ammeter, Voltmeter method
Expected Learning Outcomes	<ul style="list-style-type: none"> Trainee will be able to use ammeter. Trainee will be able to use Voltmeter. Get familiar with colour codes Understand the check for fuse circuit breakers MCB/ELCB/RCCB/MCCB
Total	30 Hours

5. Basic knowledge of cell and batteries and electro magnetism

Topic	Understand the construction of battery /cell.
Content	<ul style="list-style-type: none"> Construction, working, connection for charging, method and calculation. Types, properties, preparing magnates, Fleming's Rule, Ampere Turns, Solenoid Coil and Self and Mutual Induction
Methodology	<ul style="list-style-type: none"> Open up battery/cell and understand the construction, working and about the Cell in Series and Parallel, various connections. Preparation of simple and electro Magnet, Tracing the Field of Electromagnet.
Expected Learning Outcomes	<ul style="list-style-type: none"> Understand the construction of cells, battery. Understand the join cells in series and parallel Understand the magnetic effect and magnetic field. Trainee will be able to deal with electrical and other equipment having electro -magnetism.
Total Hours	18 Hours

6. Transformer, alternator, AC/DC motors and starters and knowledge about all measuring instrument, Earthing, Illumination, General transmission and distribution

Topic	Transformer, alternator, AC/DC motors and starters and knowledge about all Measuring instrument, Earthing, General transmission and distribution.
Content	<ul style="list-style-type: none"> Principles types, voltage, current, turns, construction. Rating of C.T. and P.T. rectifier transformers. Principles of Alternators, types, construction , voltage and connection etc. Conductors, Insulators, Resistors. Understand Current/Voltage (AC&DC) Understand single phase and 3 phase winding connection methods
Methodology	<ul style="list-style-type: none"> Identification of conductors, Insulators Charging and discharging method Dealing with single and 3 phase connection methods .
Expected Learning Outcomes	<ul style="list-style-type: none"> Trainees will be able to identify conductors and insulators Understand the construction of alternator and to do connection properly

Stamps



	<ul style="list-style-type: none"> • Trainee will be able to make single phase and three phase connections • Knowledge about use of all types of electric measuring instrument i.e. Multimeter, Voltmeter, Ammeter, • Trainee will be able to identify the working system of different lamps and also identify the faults and rectify in case of faults
Total Hours	78 Hours

7. **Market Exposure:** Visit to local market as well as RWAs to know how to become a self-employed electrical technician. Familiarize with actual local market conditions for electrical technicians.

Topic	Market Exposure
Content	Job placement/ exposure to local service centres /repair shop/RWA
Methodology	Market survey/ Visit to local market/RWA
Expected Learning Outcomes	Trainee will be able to set up their own service centre/ repairing shop
Total Hours	3 Hours

8. **Employability Skills including Life Enrichment Education : 60 Hours**

60 Hours of employability skills including Soft skills / Financial / Digital literacy, e-market places, maintain book of records, record keeping, inculcating national and social values is included in the course curriculum of Helper-Electrical Technician. Employability skills enables the beneficiaries in setting up their own service centre/repairing shop etc.





Prabodhan Education Society's
Vidya Prabodhini College
of Commerce, Education, Computer & Management
Parvari-Goa

03/01/2023



Department of Commerce
in association with
Jan Shikshan Sansthan, Parvari
Organises



● Short-term Course

Basics of Electrician Technician

Duration - 45 hours (3 hours a day)

Timing - 2 pm to 5 pm

Janauray/February 2023

You are required to

- Get photocopy of your **AADHAR Card**
- 1 Passport size Photo

Open to all

Venue

College Campus
FYBCOM A CLASS

Fees

₹500/-

Last date to Register
7th January 2023

Dr. Ujvala Hanjunker
Programme In-charge

Ms. Dhanashri S. Balo
Course Co-ordinator

Contact No: 8999249895

Mr. Darshan S. Gaonkar
Course Co-Coordinator
Contact No: 9860937211

Dr. Bhushan V. Bhave
Principal

NOTICE (2022 – 23)

This is to inform all the students that a Short-Term Certificate Course in Electrician will be organised by the Department of Commerce of our College in association with Jan Shikshan Sansthan Porvorim Goa starting from 19th January, 2023 between 02.00 p.m. to 05:00 p.m. in the college premises. The inaugural function is scheduled on 19th January, 2023 at 02:00 p.m. in the F.Y.B.Com. (A) classroom.

All interested students are requested to kindly take note of the same. All the interested students may register their names to Ms. Dhanashri S. Balo.

(Ms. Dhanashri S. Balo.)
Coordinator



(Dr. Bhushan V. Bhawe)
Principal

Date: 10th January, 2022

B.Com

F.Y. B.Com A _____

F.Y. B.Com B _____

S.Y. B.Com A _____

S.Y. B.Com B _____

T.Y. B.Com A _____

T.Y. B.Com B _____

B.A.B.Ed

F.Y.B.A.B.Ed A _____

F.Y.B.A.B.Ed B _____

S.Y.B.A.B.Ed A _____

S.Y.B.A.B.Ed B _____

T.Y.B.A.B.Ed A _____

T.Y.B.A.B.Ed B _____

4TH.Y.B.A.B.Ed A _____

4TH.Y.B.A.B.Ed B _____

Prabodhan Education Society's
Vidya Prabodhini College of Commerce, Education, Computer and Management,
Parvari Goa

A Short Term Certificate Course in "Basics of Electrician/Technician"
List

S.No.	Student Name
1	Akash Shriram Naik
2	Sydney Peter Fernandes
3	Aditya Guruprasad Palekar
4	Kartik Gurudas Chari
5	Edwin A Nadar
6	Siddesh Liladhar Raikar
7	Sushant Shivaji Desai
8	Prasad Balu Kamble
9	Tanmai Manoj Fadte
10	Vinaynuj Heram Kushwaha
11	Imran Sadik Khan
12	Daval Malik Badiger
13	Mo Tbrej Ansari



Short Term Course in Basics of Electrician/Technician

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[Signature]



Certificate

*This is to certify that Mr./Ms.
Son/Daughter/Ward of Mr./Ms. _____ has successfully
completed the 90 days course in Basic of Electrician/Technician
conducted by JSS Goa, Goa from 11/03/2023 to 29/04/2023
and has been awarded*

This certificate is issued on 29th July 2023



Beneficiary Code: GAGOA2201794
Batch Code: BCH/BCA/224995
System Identification Number: 231925169

www.jss.gov.in

Director
JSS Goa
Goa

ACTIVITY REPORT

Event Details



Name of the Event: Inaugural Function of Certificate Course of Basics of Technician/Electrician

Academic Year: 2022-23

Type of the Event: Course

Reach of the Event: Local

Mode of Event: Offline

Date of Event: From 11-03-2023 To 30-04-2023

No of Day(s): 45 days

Venue: F.Y.B.Com A

Objectives of the Event: To enhance the skills of the students

Outcomes of the Event: Students will able to learn the Basics of Electrician and Technician

A brief write-up about the Event (in about 300 words):

Inaugural function of certificate course in basics of Technician/Electrician was held in FYBCOM A classroom. Dr. Anil Thosare, Vice-Principal of the college welcome the resource person for the certificate course. Dr. Ujvala Hanjunker, HoD, Commerce and Co-ordinator of the course introduced the course to the students. Shri. Srihari Athale, Director, Jan Shikshan Saunasthan informed the students about the importance of getting employed and also informed about the certificate that students will be awarded by Ministry of Skill and Development, Government of India. Shri. Jose Fernandes, was the resource person for the session and he will be conducting the certificate course. He introduced the students basic

conceptual knowledge about the electrician. Shri. Darshan Gaonkar, Assistant Professor in Commerce compere the function.

Event Category: Co-curricular

Details about the external Collaborating/Associating agencies

Name of the collaborating agency: Jan Shikshan Sansthan

Address: Parvari Goa

Nature of the Collaboration: MoU

Details of Collaboration: 0

Participants' Details

Expected number of Participants:

Local	State	National	International	Total Delegates
17	0	0	0	17

Resource Persons' Details

Name of the Resource person: Shri. Jose Fernandes

Institutional Affiliation: Indo-German Technical Institute Affiliated to Kirti Vidyalaya, Siolim-Goa.

Area of expertise(in brief): Electrician

Any other details:

Event Coordinator Details

Name of the Department/Committee: Commerce Department

Name of the Event Co-ordinator: Dr. Ujvala Hanjunker


Event Co-ordinator email address: djdarshangaonkar@gmail.com


Event Co-ordinator Mobile Number: 9823815489

Name of the Co-coordinator: Shri. Darshan Gaonkar Ms. Dhanashri Balo

Signature of the Coordinator:

Signature of the Co-coordinator:  

Signature of the Head of the Department: 

Signature of the Principal: 

Date: 11-03-2023

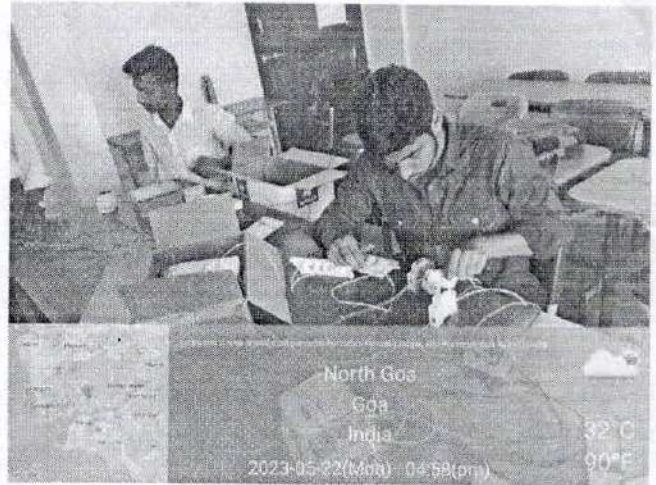
Place: Parvari, Goa

13/03/2023



ACTIVITY REPORT

Event Details



Name of the Event: Short Term course in Basics of Electrician/Technician - Valedictory
Academic Year: 2022-23

Type of the Event: Course

Reach of the Event: Local

Mode of Event: Offline

Date of Event: From 11-03-2023 To 29-04-2023

No of Day(s): 90 Hours

Venue: SYBCOM A

Objectives of the Event: To enhance the skills of the students

Outcomes of the Event: Students will able to learn the Basics of Electrician and Technician

A brief write-up about the Event (in about 300 words):

A Short term course in basics of Technician/Electrician was organised for our students and community in SYBCOM A classroom. Shri. Jose Fernandes, was the resource person for the course. the valedictory function and certificate distribution will be done in the month of August 2023.

Event Category: Co-curricular

Details about the external Collaborating/Associating agencies

Name of the collaborating agency: Jan Shikshan Sansthan

Address: Porvorim Goa

Nature of the Collaboration: MoU

Details of Collaboration: 0



Participants' Details

Expected number of Participants:

Local	State	National	International	Total Delegates
13	0	0	0	13

Resource Persons' Details

Name of the Resource person: Shri. Jose Fernandes

Institutional Affiliation: Indo-German Technical Institute Affiliated to Kirti Vidyalaya, Siolim-Goa.

Area of expertise(in brief): Electrician

Any other details:

Event Coordinator Details

Name of the Department/Committee: Commerce

Name of the Event Co-ordinator: Dr. Ujvala Hanjunker

Event Co-ordinator email address: dhanashrishes74@gmail.com

Event Co-ordinator Mobile Number: 8999249895

Name of the Co-coordinator: Shri. Darshan Gaonkar and Ms. Dhanashri S. Balo

Signature of the Coordinator:

Signature of the Co-coordinator:

Signature of the Head of the Department:

Signature of the Principal:

Date: 25-07-2023

Place: Parvari, Goa.





जन शिक्षण संस्थान गोवा

JAN SHIKSHAN SANSTHAN GOA



(Established in 2001, Regd. No. 175/Goa/2001)

Working Under the aegis of:

Prabodhan Education Society,
Porvorim, Goa.

Skill India

कौशल भारत - कुशल भारत

ICHEME BY

GOVERNMENT OF INDIA

MINISTRY OF SKILL DEVELOPMENT & ENTREPRENEURSHIP

Ref.No.: JSS/GOA/2023-24/9254

Date: 15/04/2023

To,

The Principal,
Vidya Prabodhini College of Commerce,
Education, Computer and Management,
Porvorim-Goa.

Subject: Organized courses in joint venture

Respected Sir/Ma'am,

Jan Shikshan Sansthan Goa in association Vidya Prabodhini College of Commerce, Education, Computer and Management, Porvorim -Goa organized the following courses for the students and community:

1. **Room Attendant:** The course will provide the individual with necessary knowledge, skills, values & attitudes to occupy key positions in housekeeping department of hotel industry. The duration of the course was from 19/03/2022 to 25/04/2022 i.e. 60 hours.
2. **Assistant Beauty Care:** the aim of this course is to help in developing the students practical skill and theoretical knowledge, professional attitudes to get success in the beauty. The duration of the course was from 19/01/2023 to 18/04/2023 i.e. 90 hours.
3. **Basics of Electrician/Technician:** This course will aim at various practical and theoretical aspects in the field of electrician/ technician. The duration of the course was from 11/03/2023 to 30/04/2023 i.e. 45 hours.

The list of students enrolled for the above courses is attached.

Thanking You,
Yours Faithfully


(Shrinari Athalye)

Director

Jan Shikshan Sansthan Goa

Director

Jan Shikshan Sansthan Goa
Porvorim - Goa





Address: JAN SHIKSHAN SANSTHAN GOA, SIE Building, IInd Floor, Behind Goa Board,
Alto-Porvorim, Goa - 403521, Ph. 0832-2416025,
E-mail: jssgoa@gmail.com