

Vocational Skills have given students wings

Vocational skills is different from academic education. Here we emphasise more on **knowledge ,skills and attitudes** that help students handle practical challenges and work situations. Skills programs emphasise only on hands on skills. However in the vocational courses done in schools we lay emphasis on the practical skills as well as the underlying theoretical knowledge, life skills and the soft skills, the 21st century skills required to be successful in the fast changing work place. These include communication skills, digital and financial literacy and entrepreneurship.

This emphasis on practical's and learning a skill gives students tremendous confidence to face the real world challenges and earn their livelihood. Here we would like to share the experiences of some of our teachers and students from Madhya Pradesh. LAQSH Job Skills Academy has teachers developing skills of the students in Electrical/Electronic skills. In the past few years our Teacher training has focussed on how to develop practical skills amongst students leveraging labs in the school and work spaces in and around the school.



Students repairing iron boxes as part of OJT by Ashok kumar Pahadekar at Shri Guru Krupa Electrical Shop, Ghattiya



On the job training (OJT) is an essential aspect of the vocational course on Electrical Technology. On The Job Training (OJT) helps students understand the working of an organization and their role in it.

Students can develop skills like punctuality, understanding how to work in teams, customer satisfaction, among other things. Electrical Technician training covers various aspects related to electrical technology and its services, such as power generation, repair of house hold goods, wiring, transformers among other topics.

This has enthused students and parents across the state. In this issue we are happy to share some stories of these students.



आज शाला परिसर में शार्ट सर्किट हो जाने से विद्यालय में इलेक्ट्रिक के छात्रों ने कट आउट की मदद से प्रत्येक रूम का सर्किट तैयार कर स्कूल की लाइट चालू कर दी,जिससे प्राचार्य महोदय बहुत खुश हुए और छात्रों को अच्छा कार्य करने के लिए प्रोत्सहित किया और बधाई दी ।

Students learn electrical wiring

Mr Radheshyam Birla Bhabra took his 12th class students to ITI Sejawada in CS Azad Nagar in Alirajpur district. The students from Govt Excellence School, Paraswada took the training for 60 working hours from May 15 to May 31, 2019.

The students learnt House wiring, Motor, Mixer grinder, Circuit Wiring, Transformer, Geyser, Washing Machine, Water purifier, Water-based devices.

Apart from these technical aspects, they were equipped with soft skills such as the right techniques of communication, grooming and presentation.

After doing this On the Job, training students can work as an electrical technician in any of the electrical/electronic companies which manufacture household goods or work as a technician independently. They can also start working at construction sites to do the wiring for the houses. They can get a starting salary of 8000/-



Pic: OJT by Monika Pawar From Govt Ex Higher Secondary School, Kotma, Annupur



Pic: OJT by Radheshyam Birla Bhabra, Govt Ex School, Paraswada

M/s Monika Pawar took her class 11 students to MPED, Kotma where they learnt about AC and DC, Generation, Transmission and Distribution, Inverter, Transformer and its types, Rectifier and 11KV control panel, Energy meter, Lighting arrester and tong tester, Power factor, Motor and Generator, Series and Parallel circuit, Current transformer and Potential transformer, batteries, capacitors, cable and conductors. etc This training was conducted from May 1, 2019 to May 22, 2019. It was conducted for 15 days for a total of 45 man hours.

Learning and practicing these skills during the On the Job Training (OJT) empowers students to be able to work during civil works and for electricity department. They can also work in big complexes and offices where big generators are required to give power back up and have their own transmitters etc., They can start earning a starting salary of Rs 6000/- to Rs 20,000/- .

Students Learn to Work on Electrical Power Generation and Transmission

Students learnt to work on water based appliances

Mr Vijay Kharole took his 11th class students to New Satpuda ITI Katangi, Bhalagat This training was conducted for 90 man hours from May 1 to May 22, 2019. Here the students learnt House wiring, Motor, Mixer grinder, Circuit Wiring, Transformer, Geyser, Washing Machine, Water purifier, Water based devices, CFL testing, connection of ceiling fan, repairing air coolers, motor winding, drill machine, switch board, series and parallel connection, Protection systems, Transformers (current and potential), Electrical substation equipment use.

Students also learnt how to connect and repair electrical motor, mixer grinder, microwave, Heating equipment use, connection of Iron, Geyser connection, testing and repair, working of hand tools.

They were also equipped with soft skills such as right techniques of communication, grooming and presentation. After doing this On the Job training students can work as electrical technician in any of the electrical/ electronic companies which manufacture house hold goods or work as a technician independently. They can start earning a starting salary of Rs. 8,000-10,000/- .



Pic: OJT conducted by Vijay Kharole From Govt Ex H S S Balaghat

Ms Anita Thakur took her 12th class students to Akashwani Electricals and Electronics in Pushprajgarh.

This training was conducted for 90 man hours from May 15 to May 31, 2019. The students learnt Transformer, Geyser, Washing Machine, Water purifier, Water based devices, CFL testing, connection of ceiling fan, repairing air coolers, motor winding, drill machine, switch board, series and parallel connection, Protection systems, Transformers (current and potential), Electrical substation equipment use.

Apart from these technical aspects they were equipped with soft skills such as right techniques of communication, grooming and presentation.

The students can work as electrical technician in any of the electrical/electronic companies. They can also start working with power generating companies. They earn a starting salary of Rs. 10,000/- .



Pic: OJT conducted by Anita Thakur From Govt Ex HSS Pushpa-

Students learnt to work on Transformers

Students learnt to work on Transformers and Generators

Mr Shiva Shrivastva took his class 12 Electrical Field Technical course students to MPPKVCL 33/1KV substation in Jabera where students learnt Isolators and relay, lighting arrestors and circuit breakers, Power transformers, substation earthing system, Control room operating system, Protection system, Fire protection system, Typical component of a powerplant, Bus bar system, Disconnected and voltage transformers, Electrical substation equipment use, Cooling and battery use, Relay protection panel, Cables and fuses fault. This training was conducted from May 9, 2019 to May 25, 2019. It was conducted for 15 days for a total of 90 man-hours.

Learning and practicing these skills during the On the Job Training(OJT) empowers students to be able to work during civil works and for electricity department. They can earn a starting salary of Rs 8000/- to Rs 10,000/- depending on their skill level.



Pic: OJT conducted by Shiva Srivastva From Govt Ex H S School, Jabera

Mr Mayank Verma took her class 12 Electrical Field Technical course students to Rajesh Electrical Shop Pvt Ltd, Battiagarh where students learnt repair of household electrical equipments such as tube lights, fans, starter board testing, submersibles testing, electrical wiring, different kinds of wiring etc., In addition to this students were also given motivational sessions and career guidance. This training was conducted from May 9, 2019 to May 24, 2019. It was conducted for 15 days for a total of 45 man-hours.

Learning and practicing these skills during the On theJob Training(OJT) empowers students to be able to work during civil works and for electricity department. They can earn a starting salary of Rs 8000/- to Rs 10,000/- depending on their skill level.



Pic: OJT conducted by Mayank Verma From Govt Ex H S School, Batiyagarh

Students learnt to work on Water pumps and submersibles