



# **Partnerships with Industries & Work-Based Learning in the State**

**Dr. Supriya A.R., SPD, Kerala**

# STATE PROFILE

<b>Sustainable Development Index</b>	<b>No-1</b>
<b>Literacy</b>	94%
<b>Quality Education</b>	Top
<b>Life Expectancy</b>	Top
<b>Fertility rate</b>	1.82 births per woman
<b>Infant mortality rate</b>	6 per 1000 live births

- ❖ The state has registered the highest youth unemployment rate in India at 29.9%.
- ❖ Unemployment rate of educated people makes this graph high.
- ❖ Education doesn't make them employable as they lack proper skills.
- ❖ This context necessitates quality work education.
- ❖ The new Kerala curriculum focuses on this fact.



## Vocational Education – Vision of Kerala



- ❖ The core objective of work education should not be mere skilling.
- ❖ Development of creative and innovative potentials that builds a knowledge economy comprising knowledge workers should be the objective.
- ❖ In Kerala, the development of the above potentials is aimed from the upper primary level itself.

## Upper Primary Stage

- Learning Environments are designed and developed for the creative work integrated classroom activities at Upper Primary stage.
- Work related activities in science, maths, social science etc. help the students to foster various life skills along with the required learning outcomes under general subjects in an interesting manner.
- They also deal with various tools and equipment of various occupations like plumbing, electrical, electronics, cooking, agriculture, fashion designing, woodwork, etc.



# Activities in Creative Corners



# Vocational Education in Kerala

## **Secondary Stage:**

1. The general aptitude of the learner is identified through individual profiling-

- Psychometric testing,
- One-to one counselling,
- Parental awareness.

2. A foundational awareness about this particular aptitude sectors along with Life skill development

## **Senior Secondary Stage:**

Learner can opt a vocational/higher educational course suitable to his aptitude and socio-cultural backgrounds.



## Secondary Stage

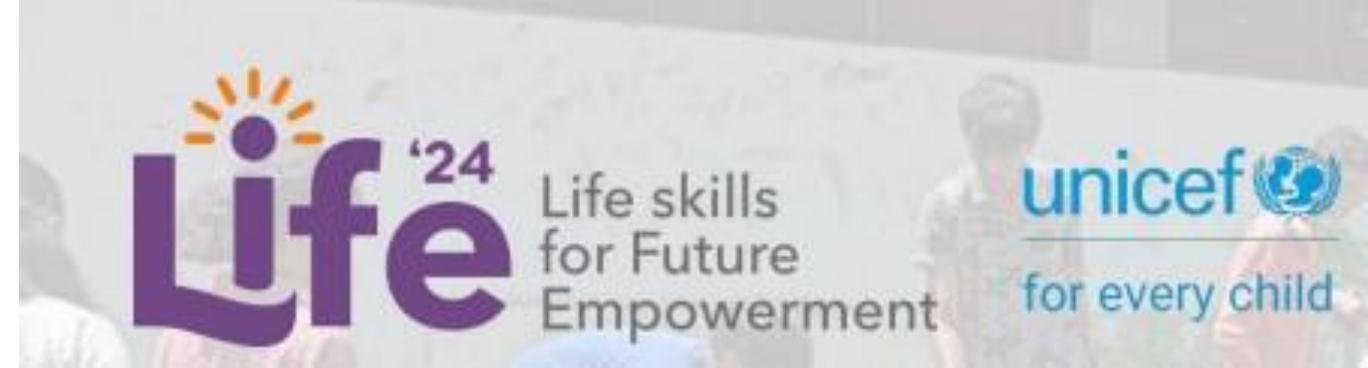


# LEAP

Exploring Learner Aptitude Profiling & Guidance

- ❖ Assess the aptitude, interest and personality of the student.
- ❖ Evaluate the strengths & weaknesses and thus to develop the area suitable to them.
- ❖ Give them feedback on their study skill.
- ❖ Guide the students to choose appropriate career options based on their aptitude.
- ❖ Provide awareness to the parents about the importance of aptitude in career selection.
- ❖ Create a sense of purpose and reduce unnecessary stress.
- ❖ Introduce various career options.
- ❖ Develop positive attitudes towards study and work confidence.





- Three days camps for high school students were conducted in association with UNICEF India at all block level,
- 35 to 40 students from 9th class were actively participated
- The program includes the development of skills and knowledge in Cooking, Budgeting, Agriculture, Plumbing along with 21st Century skills.
- These camps provided a holistic education that equips young people for real-world challenges



LIFE- 24 IMAGES

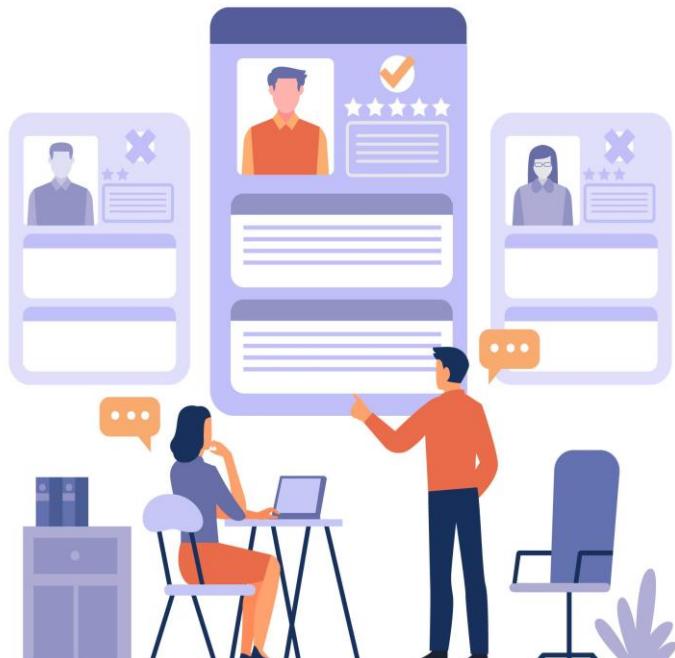
# Industries & Vocational Education

For ensuring the required competency in the selected vocational areas-

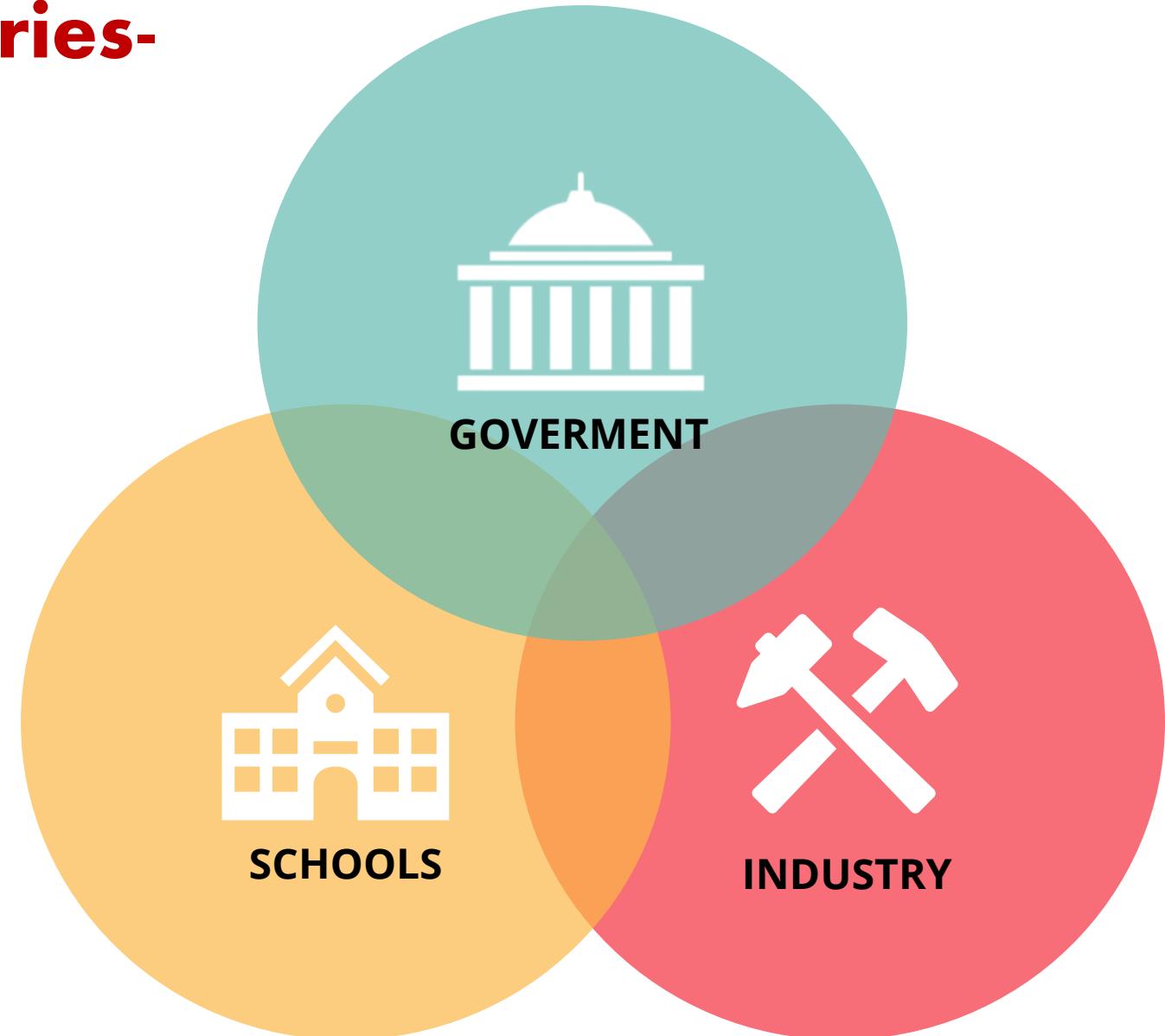
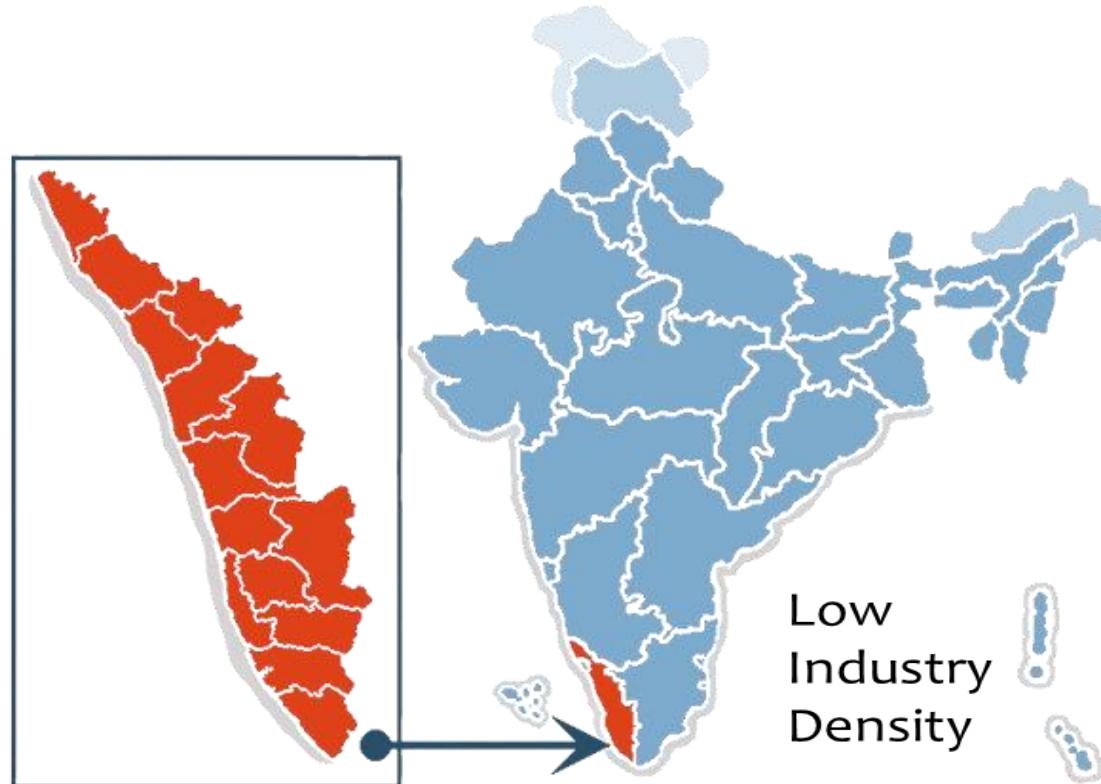
- Learners are to be provided with industry experience
- They get familiarised with the industrial ecosystem.

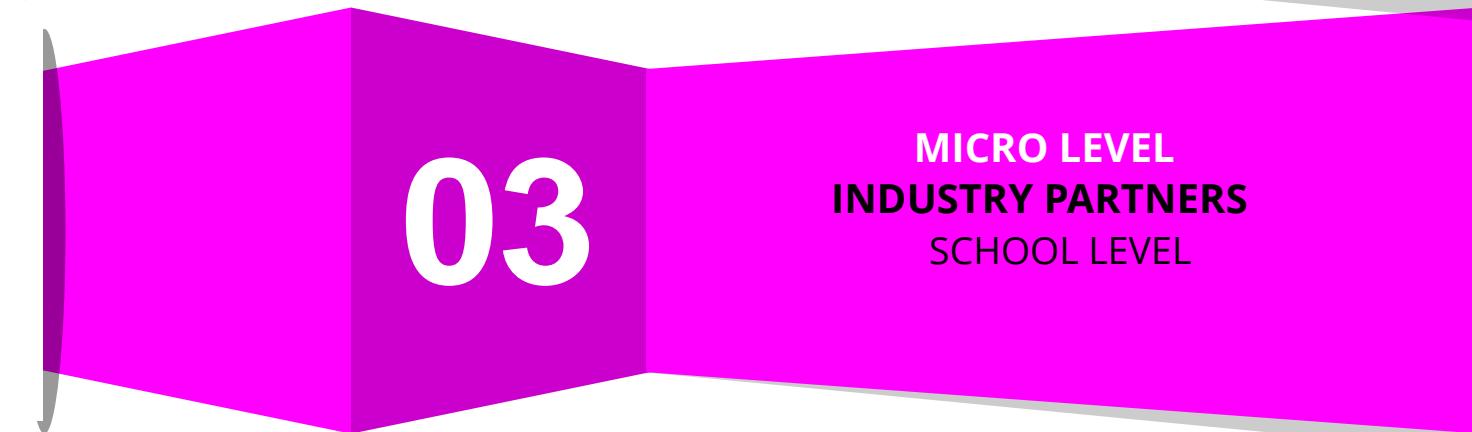
This definitely will ensure the creation of knowledge workers as well as job creators.

Thus an effective partnership between education system and industries can enhance employability and welfare.



# Partnerships with Industries- Triple Helix Model





**3**

**LEVEL SYSTEM  
OF  
PARTNERSHIP**

# SKILL DEVELOPMENT CENTRES



- ❖ This project aims to empower our children and create a future society that lives with confidence in its knowledge and abilities
- ❖ The objective of Skill Development Centre is to strengthen and enhance the employability of the youth.
- ❖ The centers offer training in fields that are relevant to regional employment opportunities.
- ❖ The focus is to prepare students for two specific job roles as per the National Qualification Register. Each job role accommodates 25 students who receive training for 300 to 360 hours.
- ❖ Once the courses are completed, successful candidates will receive a skill certificate recognized by the Central Government. Students from SC, ST and differently-abled backgrounds will be given priority in these centers.



### **AGRICULTURE**

- Hydroponics Technician
- Interior Landscaper
- Plant Tissue Culture Technician
- Service and Maintenance Technician - Farm Machinery



### **MEDIA & ENTERTAINMENT**

- 3D printing operator
- Animator
- Graphic Designer



### **LOGISTICS**

- Exim Executive
- Warehouse Associate



### **TELECOM**

- AI ML Jr Telecom Data Analyst
- AI Devices Installation/Operator
- IoT Technical Service Operator
- Telecom Technician - IoT Devices



### **AUTOMOBILE**

- Electric Vehicle Service Technician



### **BEAUTY AND WELLNESS**

- Assistant Beauty Therapist



### **BSFI**

- GST Assistant



### **ELECTRONICS**

- Assistant Robotics technician
- Mobile Phone Hardware Repair Technician
- CCTV Installation Technician
- Solar LED Technician



### **ELECTRONICS & HARDWARE**

- Drone Service Technician



### **FOOD PROCESSING**

- Baking Technician Operative



### **GEM & JEWELLERY**

- Jewellery Designer



### **HEALTH**

- Emergency Medical Technician-Basic



### **IT-ITES**

- Web Developer



### **POWER**

- Electrician - Domestic Solution



### **TOURISM & HOSPITALITY**

- Assistant Chef
- Food and Beverages Service Associate



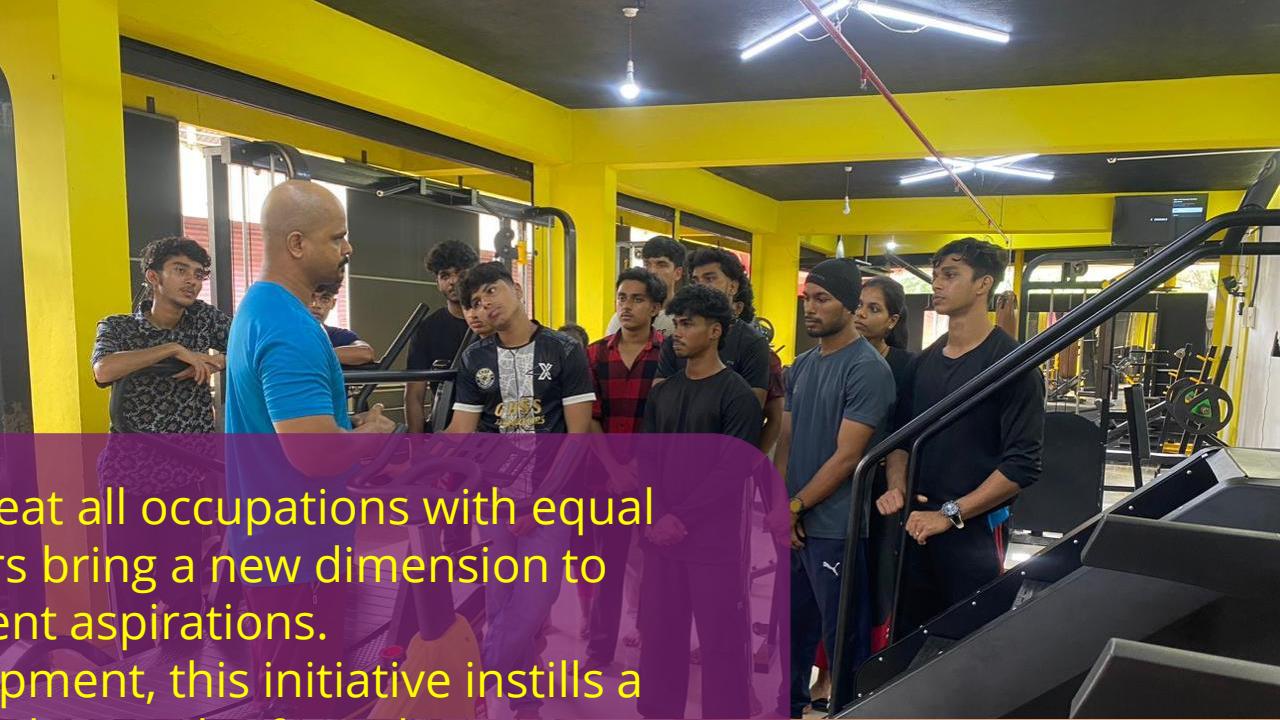
### **SPORTS, PHYSICAL EDUCATION, FITNESS & LEISURE**

- Fitness Trainer

# **16 SECTORS**

# **29 JOB ROLES**

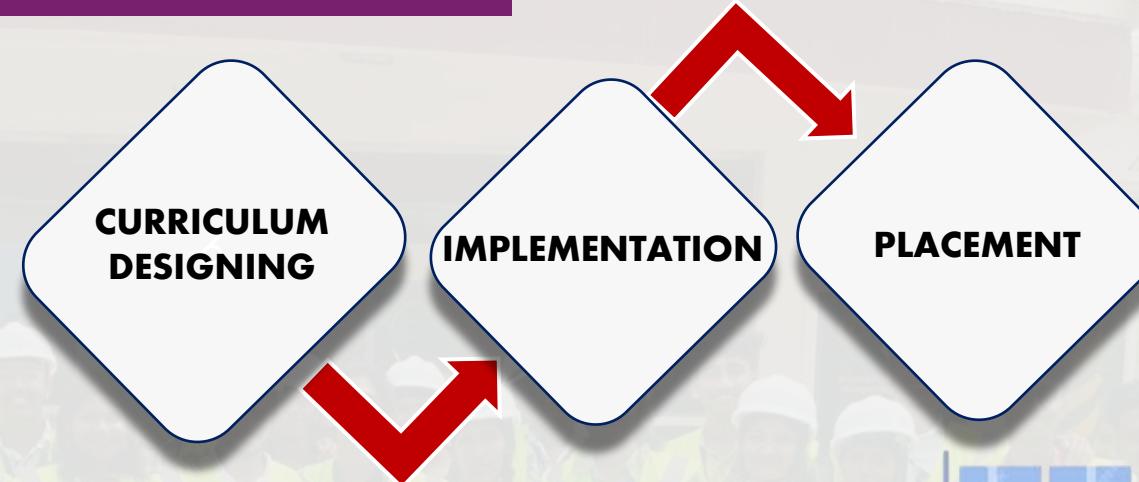




With a commitment to treat all occupations with equal importance, these centers bring a new dimension to our education-employment aspirations. Aimed at regional development, this initiative instills a new work culture among the youth of Kerala, creating a new standard in education and employment opportunities.

# Skill Development Centres & Industries

- On- The Job Training
- Expert Interactions
- Field Visits
- Internships
- Trainers Training
- Industry Readiness Programs
- Exhibitions
- Entrepreneurship Development Programs
- Placements
- Contributions in Infrastructural Developments through CSR
- 





## On Job Training

On the Job Training provides opportunity for the students to participate in the real world of work.

Collaboration between SDC and Industries are the real crux of skill education.

This will help to impart employable competencies in the students.



## EXPERT INTERACTION

- Direct interactions of Experts from real work environment with learners will lead to better skill development.
- A panel of experts in selected job roles is developed and their service is ensured with the help of concerned industries.





## FIELD VISITS

- Industry visits enhance students' lives by providing hands-on experience, exposure to latest technologies, and skill development aligned with industry needs.





## Snapshots of Industry Visits





# TRAINERS TRAINING

- A skilled trainer only can impart skill to students. Frequent trainers' training are necessary for ensuring the quality delivery of skills.
- It can be conducted with the help of industrial partners.
- Training Need Analyses of trainer has to be done for meaningful training implementation.

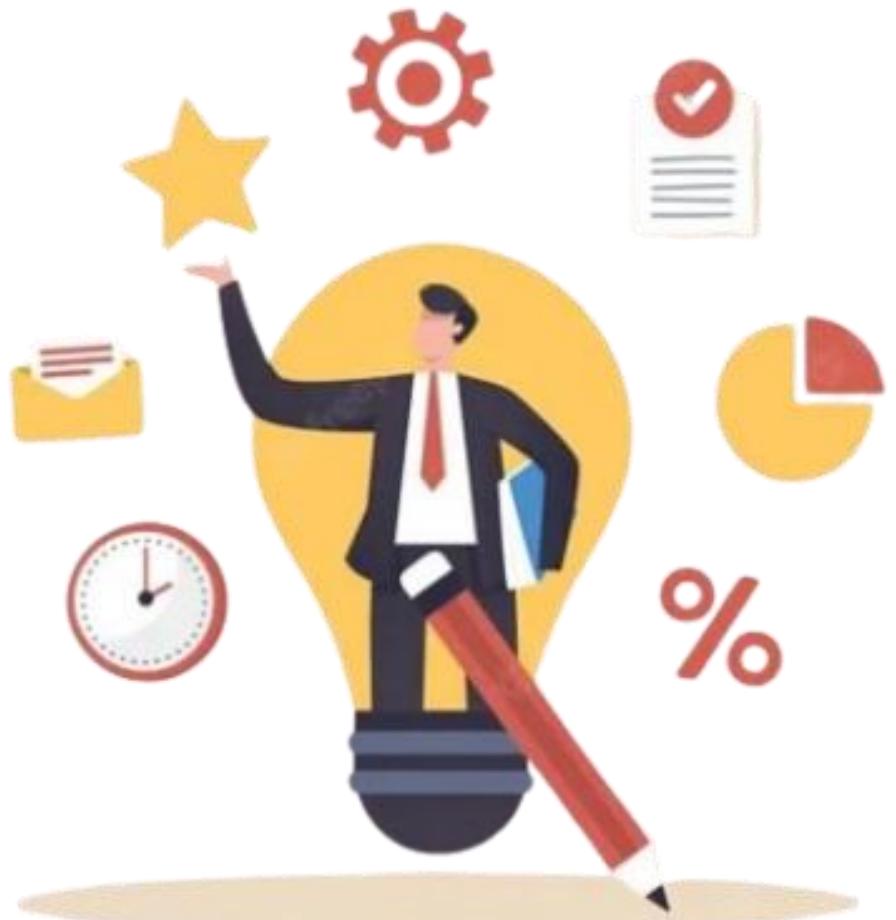


## **ENTREPRENEURSHIP DEVELOPMENT PROGRAMS**

Entrepreneurship Development Camp for the vocational students

These The camps consist of the following activities.

1. Interaction with successful Entrepreneurs
2. Financial Planning including sources of Finance and project preparation.
3. Conduct development of ED workshop



# SKILL EXHIBITION



## Skill Exhibitions: Showcasing Student Talents

- ❑ Explore career paths in a particular sector
- ❑ Spark interest and excitement among students
- ❑ Showcase skills of undergoing students

## Along with skill exhibitions we conduct-

- ❑ Skill seminars- Career guidance seminars
- ❑ Live demonstrations from related industries

## The Skill Expo offers:

- ❑ A platform to perform
- ❑ Explore opportunities
- ❑ Even secure placements



SKILL DEVELOPMENT CENTRE  
GVHSS KUNIATHUR

**Congratulations !**



*Raja Lakshmi  
Fitness Trainer* *Darshana  
Fitness Trainer*

Congratulations to our Fitness Trainer Course students Darshana and Rajalakshmi. Under the leadership of SDC GVHSS KUNJATHUR. Both of them got jobs as a part-time fitness trainer and a full-time trainer at Meethal fitness center in Kanhangad.



Samagra Shiksha Kerala  
സാമഗ്രി ശിക്ഷാ കേരളം

SKILL DEVELOPMENT  
CENTRE സാമഗ്രി ഗവർണ്ണറാം കേരളം

Meethal Fitness

**Congratulations!**  
FOR GETTING PLACED IN  
**Meethal Fitness**  
LADIES & GENTS

**RAJA LAKSHMI**

WE PROUDLY ANNOUNCE THAT OUR STUDENT  
PLACED AS FITNESS TRAINEE POSITION AT  
**MEETHAL FITNESS CENTRE KANHANGAD**

**Skill Development Centre GVHSS KUNJATHUR**

## PLACEMENT

Job Fair will be conducted every year at regional / district level which realise placement of students.



# Our Major Industry Partners



# SMART

## Internship of Students with Local Craft Industry

Industry Readiness Programme is specifically designed to bridge the skill gap and make the higher secondary NSQF pass out students ready for self-employment.

These Internship programs will connect them with the real-world practices and acquaint them with the challenges faced in the real field and get them prepared for diverse roles within the industry.





# ESTEEM

## Vocational Rehabilitation program for children with Special Needs

- The goal of education is to enable each person to live with self-esteem in the society.
- Esteem is an innovative project developed by Samagra Shiksha Kerala to ensure employment and raise the self-esteem to the differently-abled children who have completed their Plus Two studies
- This scheme was started three years ago under the STARS scheme.
- Kozhikode District
- Malappuram District

# Challenges We Face

- Low density of industries in the state.
- Non-availability of better industrial experts.
- Interest of industries are more in their business rather than skill-moulding.
- Placement issues- The skilled candidate doesn't get proper placement.
- Sector Skill Councils are not properly available especially in assessment.

# THANK YOU