



Partnerships with Industries & Work-Based Learning in the State

Dr. Supriya A.R., SPD, Kerala

STATE PROFILE

Sustainable Development Index	No-1
Literacy	94%
Quality Education	Top
Life Expectancy	Top
Fertility rate	1.82 births per woman
Infant mortality rate	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.



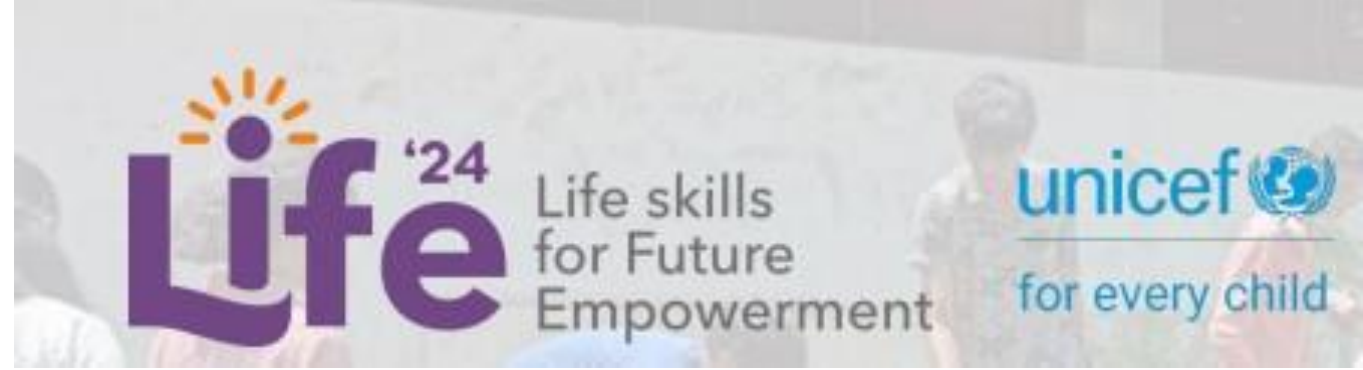
Secondary Stage

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



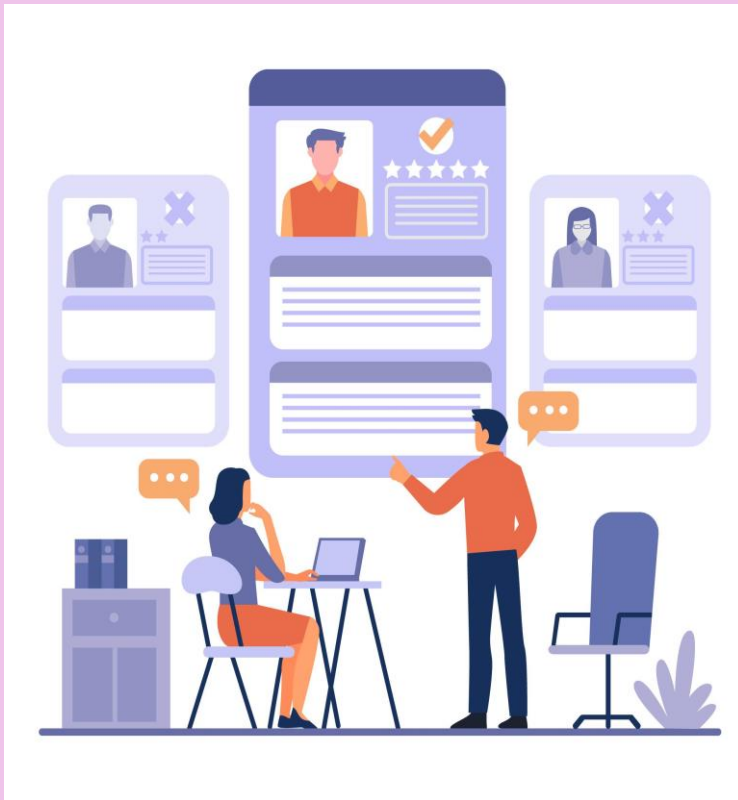
Industries & Vocational Education

For ensuring the required competency in the selected vocational areas-

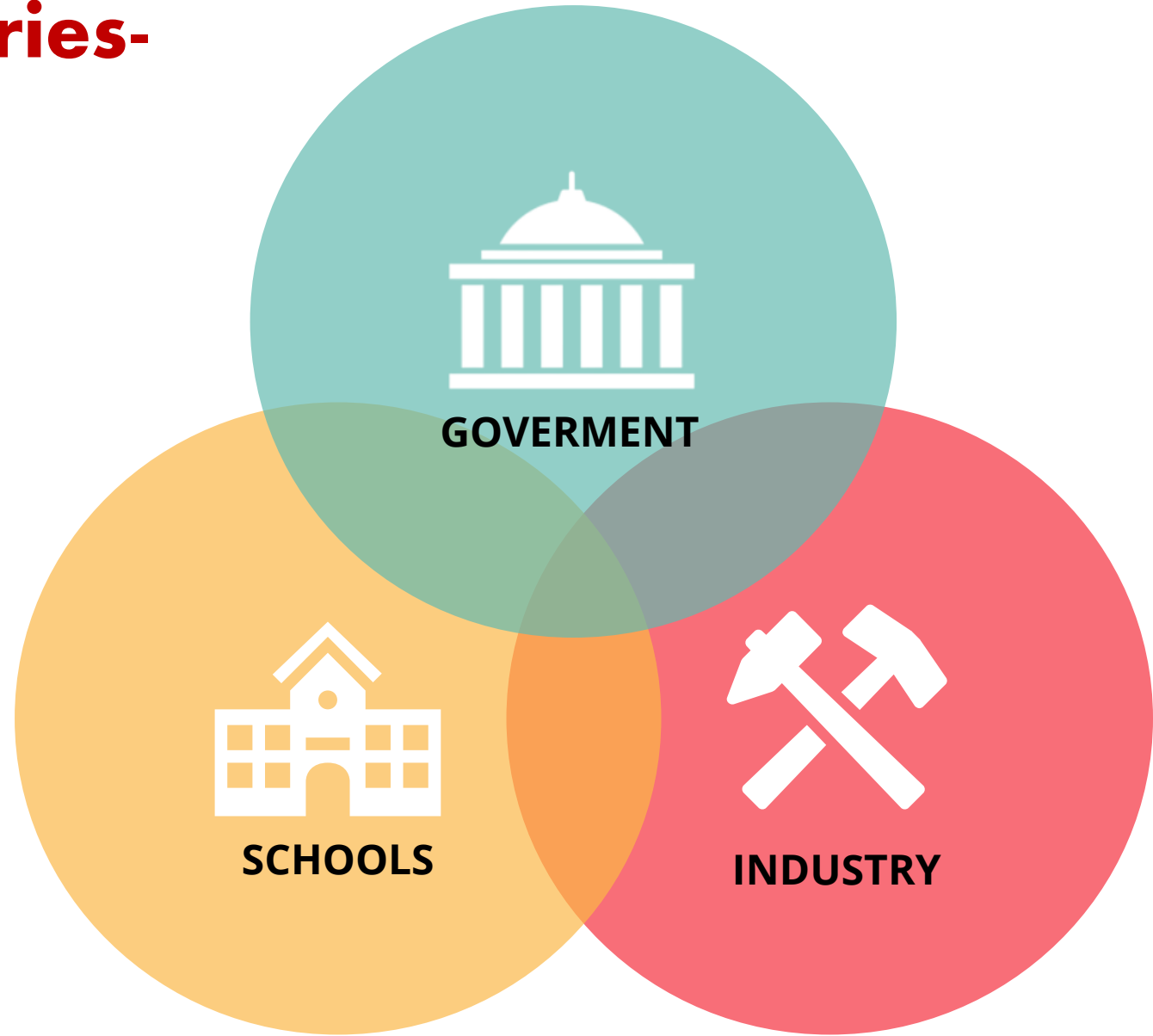
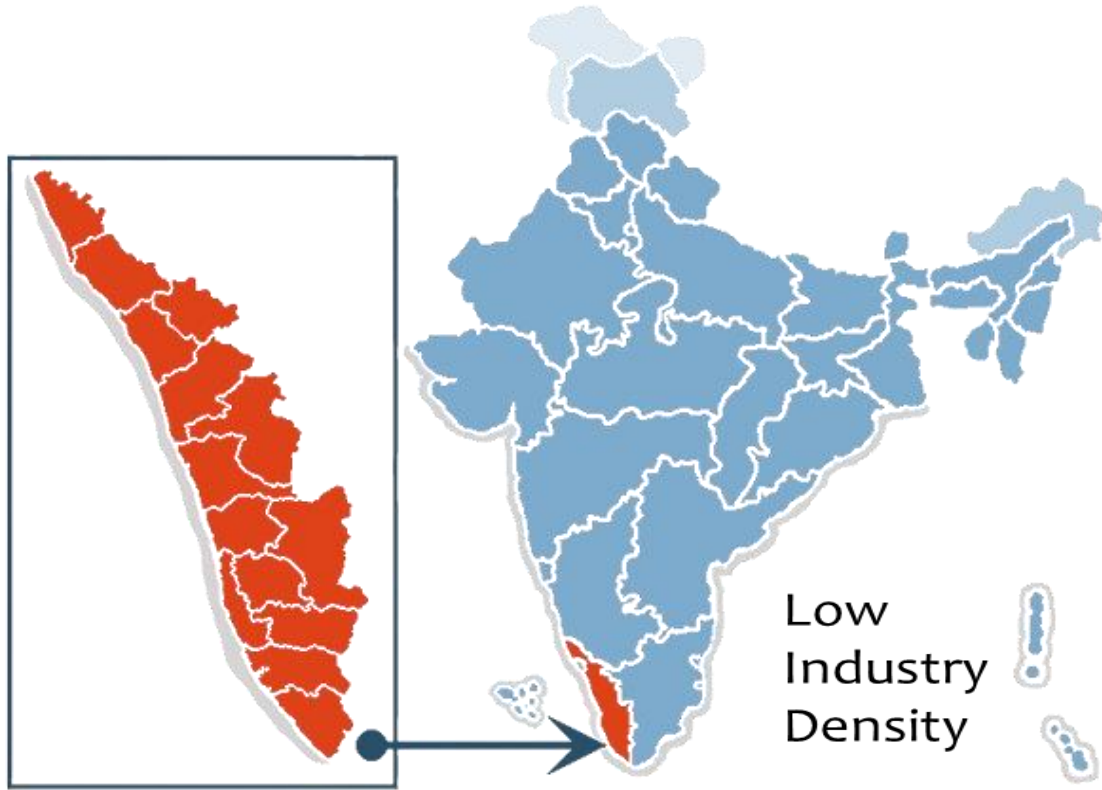
- Learners are to be provided with industry experience
- They get familiarised with the industrial ecosystem.

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





01

MACRO LEVEL
STATE LEVEL ORGANIZING COMMITTEE
CII, FICCI, ASSOCHAM,...etc



02

MESO LEVEL
BUSINESS ADVISORY COMMITTEE
SECTOR LEVEL

03

MICRO LEVEL
INDUSTRY PARTNERS
SCHOOL LEVEL

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



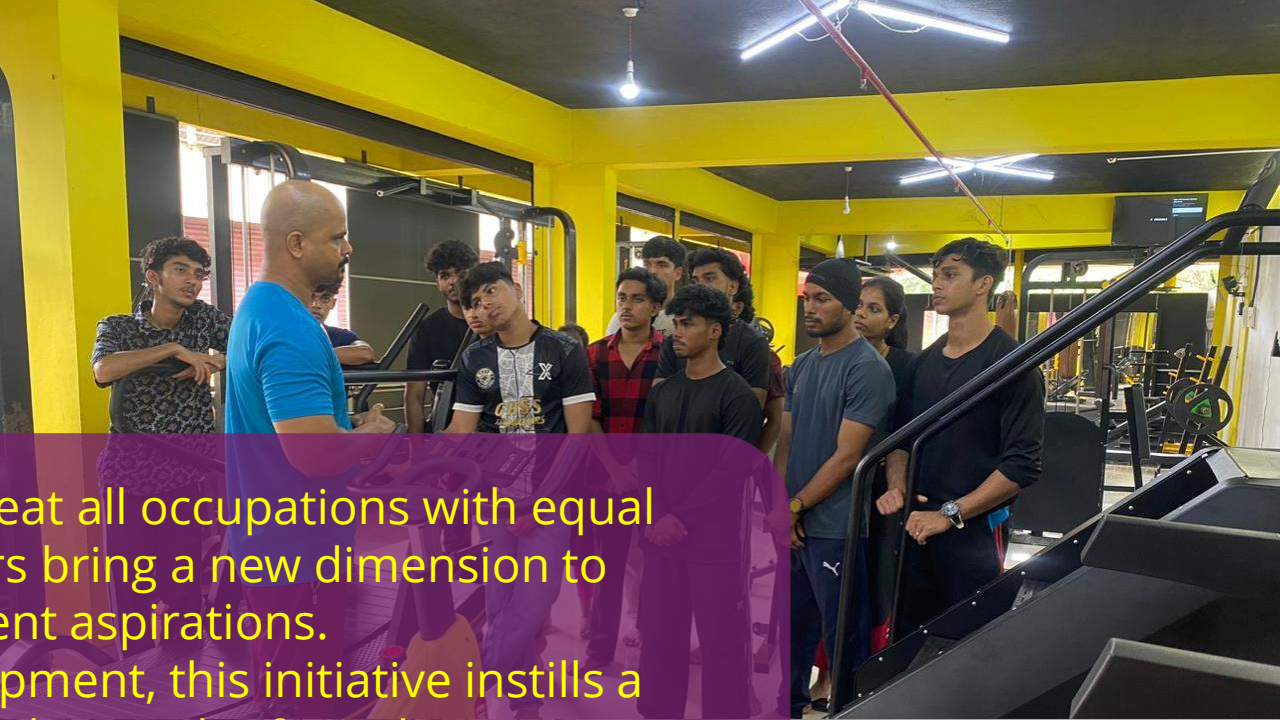
**SKILL
DEVELOPMENT
CENTRE**

നൈപുണി വികസന കേന്ദ്രം

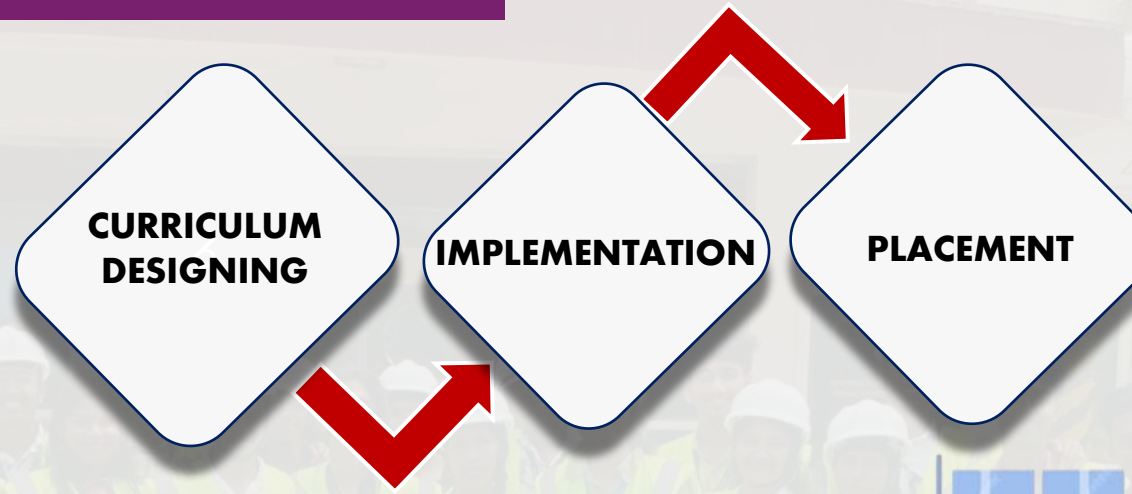
210 SDC 420 BATCHES



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.



EXOTIC FRUIT FARMER PRODUCER COMPANY
PULPPALLI



MALABAR GOLD AND DIAMONDS



DP WORLD CONTAINER COCHIN
TERMINAL VALLARPADAM

Snapshots of Industry Visits

CAVEMAN HEALTH CARE & FITNESS ACADEMY



Snapshot of Industry Visits



TRAVANCORE AVIATIONS



GRT HOTEL

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 !



Rajalakshmi 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.

Congratulations!

FOR GETTING PLACED IN
Meethal Fitness **RAJA LAKSHMI**
LADIES & GENTS

**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



**SKILL
DEVELOPMENT
CENTRE**

നെപുണി വികസന കേന്ദ്രം



SMART LOGISTICS
FRIEGT FORWARDING & LOGISTICS SERVICES



URBAN FARM
Smart Way to Sustainability



ATLAS LOGISTICS
An SBS Group - Japan



CONCORD FREIGHT PVT LTD



Jet Aerospace
Drone Manufacturing Hub

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