



First Edition, 2023

WSC GAZETTE



World Skill Center



worldskillcenter



WorldSkillCenter



world-skill-center

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FROM THE DESK OF THE CEO

DEAR READERS,

Humility is the foundation of all the other virtues hence, in the soul in which this virtue does not exist there cannot be any other virtue except in mere appearance.

~By Saint Augustine.

Yes, of course. Humility, authenticity, and mindfulness are values that are of utmost importance in a variety of circumstances. While through the next few pages you embark on a journey of World Skill Center, we must remember the Values that we must inculcate as human beings that sets us apart.

Humility is particularly useful in situations where there is a lot of pressure, competition, or conflicting ideas. When we approach these situations with humility, we are less likely to become defensive or hostile, and more likely to listen to others and find common ground. Humility can also help us to be more open to feedback, which is essential for personal and professional growth.

Authenticity is especially useful in relationships and when communicating with others. When we are authentic, we build trust and respect with others, and we are more likely to establish meaningful connections. Authenticity is also important in the workplace, as it allows us to be more confident and assertive, and to express ourselves in a way that is true to our values.

Mindfulness is useful in any situation where we are feeling stressed, overwhelmed, or distracted. Mindfulness helps us to be more present and focused, and to approach challenges with a calm and clear mind. It is also useful in improving our emotional intelligence, as it helps us to become more aware of our thoughts and feelings, and to respond to them in a healthy and constructive way.

Dear Readers, so its pertinent to note that we can cultivate a more fulfilling life, filled with meaning and purpose, with Humility. So, become Skilled in Odisha with a humble heart.

Happy Reading!



Ms. Alka Misra
CEO

World Skill Center



THE TEAM FROM ITEES

OUR KNOWLEDGE PARTNERS
FROM ITEES SINGAPORE



I have been involved in Technical and Vocational Education and Training (TVET) for a large part of my career. When the World Skills Centre (WSC) Odisha overseas assignment came, I saw the opportunity as an extension for me to share my experiences, knowledge and skills in TVET. As the Director for School of Engineering (SOE), one of my goals for SOE students and graduates is to give them world-ready skills and competencies so that they may be globally employable on a competitive level.

I look forward to contribute in the making of WSC as the Centre for Industry Partnership and landing point for industries in Odisha. This project will serve as the nexus for TVET and the economic and industrial needs of Odisha.

Cheok Eng Choon
Director, School of Engineering



I believe the impact of a teacher on a student will last a lifetime. We must ensure that we do no harm and empower every single student to embrace and achieve their potential and dreams. My dream for WSC is that the Academy be recognized as a leader in TVET education not only nationally but internationally. Its faculty will be a major contributor to the professionalization of all TVET trainers.

In order to produce world-ready students, we need world-ready teachers. The Academy will embark on many training courses and workshops to deepen and sharpen the skills and competences required to achieve the dream.

Suppiah Nagammal
Director, Academy



A few years ago, I made the decision to sign up for a sea change and joined a project to reshape Technical and Vocational Education and Training in Odisha, India. Armed with my years of experiences in training, education and general management, I arrived in Bhubaneswar in early Feb 2022 with high aspirations and hope of possibilities.

Today, nearly a year after, I am happy to say that many of my initial fears were unfounded and I have discovered a whole new side of life both external and internal.

Kerwin Hing
Director, Administration



“Love of beauty is taste. The creation of beauty is Art.”

When I was given the opportunity to start the Beauty Wellness & Spa and Hair Fashion & Design programs at WSC, I was totally thrilled. The beauty and wellness industry in India is booming with tremendous potential for growth. Despite its thriving status, the industry is in need of skilled manpower. With a strong appreciation for the challenging work ahead, I hope to be the change-maker to give young people, women, and communities in Odisha the skills they need to be job-ready both locally and internationally.

Suguna Srinivasan
Director, School of Services

The journey towards a Skilled Career begins at World Skill Center. We just don't train the youth but make them ready for Industries with best of Skills in Mechatronics, Electrical Engineering, Air Conditioning & Refrigeration, Beauty and Wellness and Hair Fashion and Design. A global exposure at ITEES Singapore gives our students the “Inspiring Edge” to stand out and shine Bright.

INSPIRING READS IN THIS
ISSUE:

BUILDING A SKILLED
COMMUNITY



WE SHARPEN YOUR SKILLS

**Mr. Sangaran Gopal,
Principal,
World Skill Center**



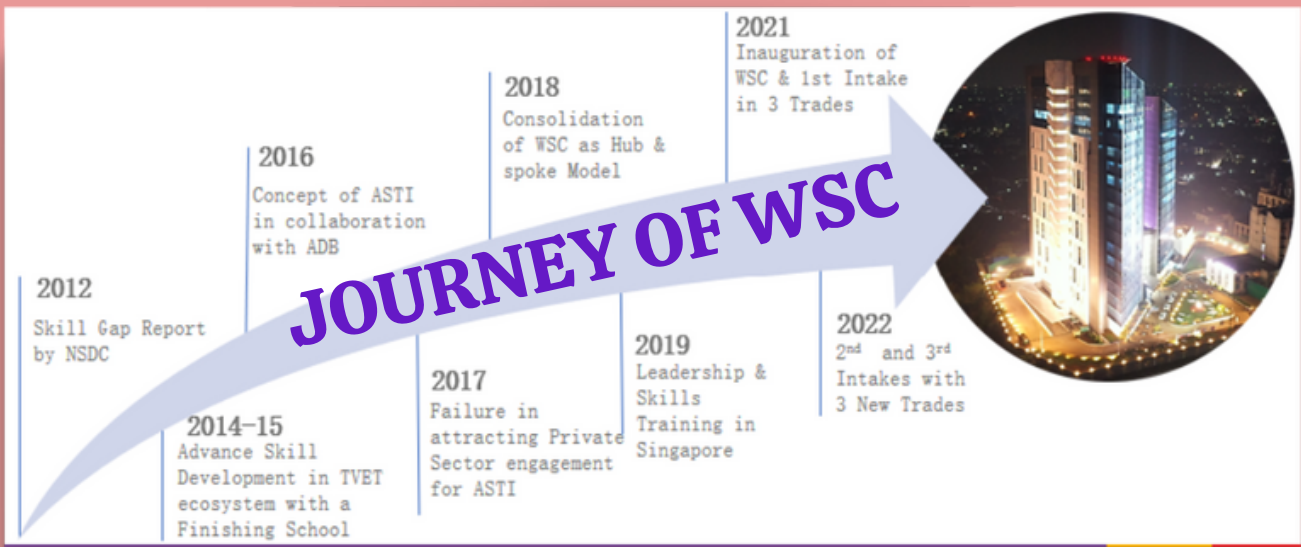
**Welcome to the first edition of the World Skill Center's quarterly newsletter,
THE WSC GAZZETE**

The World Skill Center (WSC), an eighteen storey building in the heart of Mancheswar Industrial Estate makes a towering presence that cannot be ignored. Beyond this physical presence, the intent behind the setting up of the WSC is also one that is of an equally towering nature. Under the Odisha Skill Development Authority's Hub and Spoke Model, WSC is to play a central role in influencing the government ITIs and Polytechnics to enhance their training capabilities and competencies. This will bring Skills Training in Odisha to the next level.

WSC currently offers training in 4 engineering and 2 service courses. We have enrolment of students from almost all districts of Odisha. Our 1st batch of students graduated in Nov 2022 and are well placed with good jobs, in Odisha, States outside Odisha and overseas as well. Students are also selected to do a 2 week Immersion program at the Institute of Technical Education, Singapore and a six-month industry internship in Singapore after graduation. From the 1st batch, 40 students went on the Immersion Program and 24 on internship.

The Center offers authentic, high skill training, using industrial equipment in well-equipped workshops and laboratories. Besides training, students engage in various social activities to make their training in WSC meaningful and fun. I invite you to browse through these pages to know a little more of who we are and what we do. I also hope you connect with us so that we too get to know you a little better.

I wish you a wonderful journey through these pages !



Special 70 - Technical ToT at ITEES, SINGAPORE on 9th Dec, 2019



OSDA & ITEES sign MoU on 2nd Nov, 2017

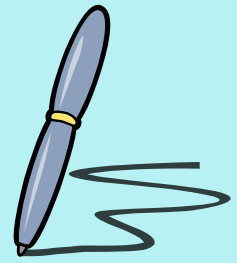


1st BATCH-GRADUATION CEREMONY on 24th Nov, 2022



INAUGURATION by Hon'ble CM on 5th March, 2021

Editor's Note



"You can't stand out by Fitting In, So Showcase your Skill"

Namaste Readers !!!! 😊

It gives me immense pleasure to introduce **WORLD SKILL CENTER- the Skill hub of Odisha** in the first edition of WSC Newsletter.

WSC wants the Youth of the state of Odisha to acquire skills so as to grasp best career opportunities. We are committed as an Skill organisation to help them adapt to the new technical competencies to support themselves and Society economically.

Teachers play a vital role in skilling up a society. So I am happy to be a part of this journey of "Skilled in Odisha" by serving the key role "preparing the youth Skill ready" by obliterating the traditional education system.

As you dive in you will be awakened through how WSC imparts advanced Engineering and non-Engineering "HANDS-ON" Training skills to make Odisha a skilling Platform.

Just as importantly, I would like to Thank my Team for their dedicated efforts in making the Launch of First Newsletter a success. Kuddos!!! 👍



Miss Sukanya Mohury,
Faculty, Mechatronics
CHIEF EDITOR

What's Inside?



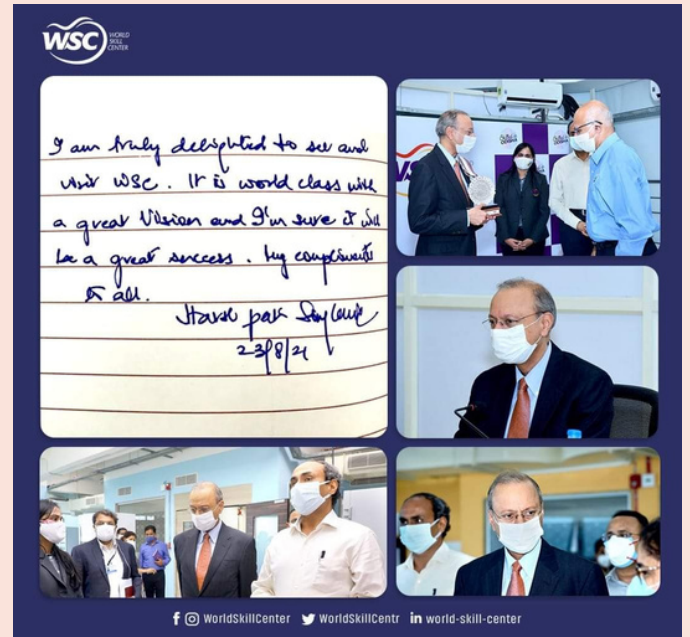
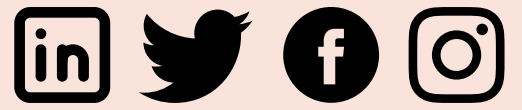
High-end skill training in across the spectrum disciplines



"LETS HAVE A WSC TOUR"

Odisha's Best India Next

Visiting Delegations





WORLD SKILL CENTER

A GLIMPSE OF THE FACILITIES

WHERE WE ARE !

Nestled in the heart of Mancheswar in the temple city of Bhubaneswar , World Skill Center is a sprawling campus that boasts of a 18-storey, air conditioned building with nearly half a million sq feet area State of the art building with a Helipad on top.

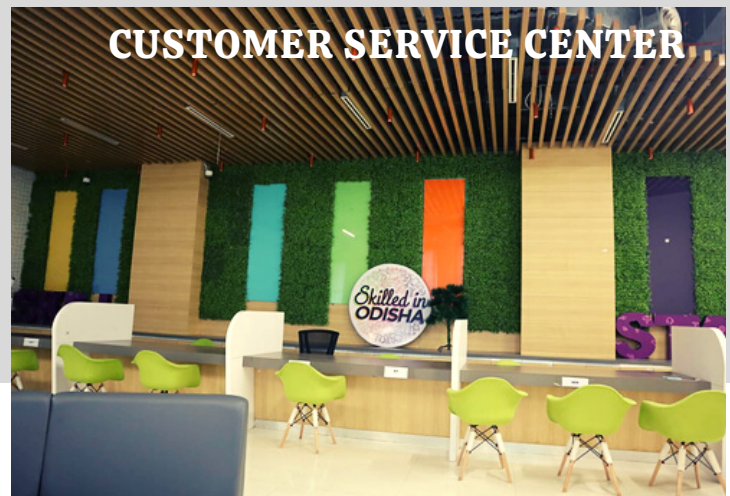
It houses Smart classrooms, Digital Labs with Sophisticated Machines, Student activity Center, SHG Millets Cafe, Canteen and Customer Service Center. The smartly designed and acoustically superior Conference Rooms and Lecture halls add to the extraordinary facilities that WSC has to offer.



BOARD ROOM



GAME ZONE



CUSTOMER SERVICE CENTER



CANTEEN

WHAT WE OFFER !

A futuristic design spread across half a million square feet area , WSC stands tall as a symbol of aspirational Vision of Honourable Chief Minister Shri Naveen Patnaik and Chairman OSDA Shri Subroto Bagchi.

As an Institute, WSC offers to students that is unmatched and unparalleled. The architecture has a very Modern and vibrant feel that truly justifies its commitment to provide Advanced Skill training to Young minds in the TVET sector.

CURRENT SCENARIO

Building and building complexes have grown in size and complexity over years. Not only there has been a quantum jump in the number of electrical & electronic gadgets that we use in our buildings but also in the number of services that have moved from optional to essential.

**FIRE DETECTION & PROTECTION LAB****STATE OF THE ART LABS**

Fire Detection & Protection lab is solely set up by leading brand DELUGE Fire Protection (S.E.A) Singapore. Other Labs are equipped with high end machineries of leading brands from respective sectors like MESSERS INDIA, BLUESTAR, SCHNEIDER Electric, HINDWARE, LABTECH INTERNANTIONAL INDONESIA in allignment with industry standards.

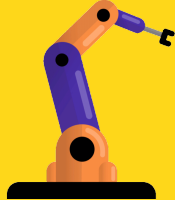
**FACILITY & SYSTEM MANAGEMENT LAB****RESIDENTIAL AIR CONDITIONING SERVICES LAB****A GRADUATE OF MES WILL BE ABLE TO**

- Understand the impact of interdisciplinary approach in developing skills for preventive maintenance of building equipment
- Apply Knowledge to complete the first line maintenance and service on Air Conditioning systems, fire fighting and fire protection systems, electrical and emergency systems, amenities fittings & fixtures, CCTV & AV/PA system for residential & commercial buildings

**MECHANICAL SERVICES LAB****MES INCORPORATES**

- Electrical Services
- Mechanical Services
- Residential Air Conditioning Services
- Piping & Plumbing Services
- Fire Detection & Protection Systems
- Facility & System Management





The Global industrial practices have been revolutionized with the implementation of automation in different forms, in order to improve quality and quantity of product. In almost all type of industries, humans are being replaced by machines and there is a huge demand for skilled manpower in order to efficiently operate those critical machines.

Observing the global trend, World skill Center with its Knowledge partner ITEES, Singapore introduced a one-year course in “Mechatronics”.

Mechatronics is a multidisciplinary branch of engineering which primarily focuses on design and Control of Electro-mechanical systems like Variable Frequency Motor Drive (VFD), PLC controlled automated pneumatic and hydraulic actuated systems, ROBOTICS etc .



Robotics Lab

SKILLS THAT A TRAINEE OF MECHATRONICS ACQUIRE IN WSC?

- Design & Install Industrial electrical wiring circuit.
- Design, Simulate and Construct Electro pneumatic & Hydraulic actuated control circuits through SIEMENS PLC, ALLEN BRADLEY, PLC.
- 3-D model design using SolidWorks software & realize the designed model through work pieces .
- Design, Wire & troubleshoot AC /DC motor drive system and control using PLC.
- Simulate and program real time robotic environment using simulation software for a variety of robotic applications on YASKAWA & ABB robots.



Pneumatics Lab

MECHATRONICS Lab is equipped with :

ABB

Allen-Bradley

DELTA

Hydraulics Lab

Schneider Electric



FESTO

SIEMENS

YASKAWA

PLC Lab



SOE ELECTRICAL TECHNOLOGY



Electrical Technology (ET) is one of the growing fields in modern society. One cannot imagine to live without Electricity. Currently as more manual labour is being shifted from man to machine the need for skilled people to maintain the machines has grown as a result. This growth results in a strong work field where there is plenty of jobs available. As per FY 2021, India is the third largest electricity producer & the third largest electricity consumer in the globe.



World Skill Center recognises ET as an emerging area to train ITI/Diploma graduates and make them ready for Industry 4.0. The Course ET emphasises on demanding industrial skills in the field of Electrical Engineering. It Comprises of 7 labs which will skill up trainees knowledge in the design, installation, control & maintenance areas.



Intelligent Building Automation



Industrial Control & Automation



Electrical Machines & Control



Electrical Power & SwitchBoard



Electrical Installation & Testing

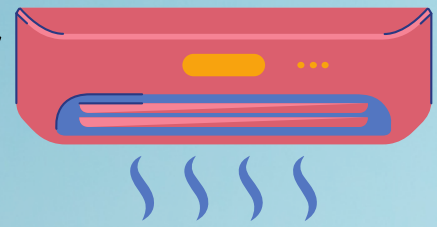


Electrical Circuit & Principle



Electrical Drafting & Design

AIR CONDITIONING & REFRIGERATION



INTRODUCTION

Due to rapid urbanization, the life style of humans have changed drastically. In order to bring comfortness, different engineering solutions have been explored out of which Air conditioning and Refrigeration is a vital one.

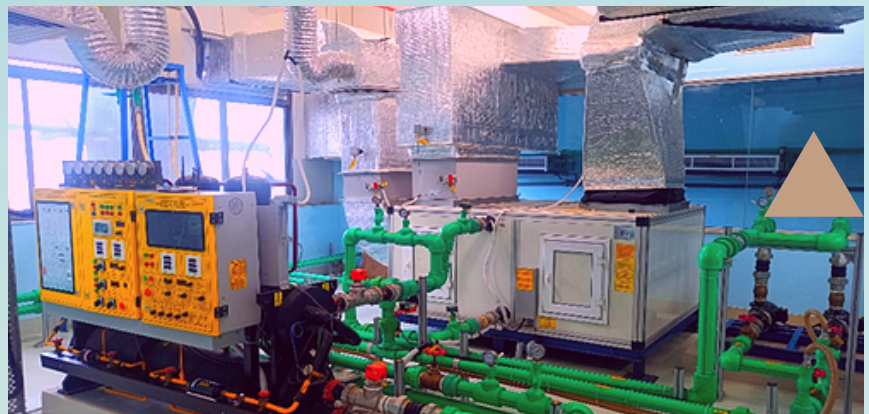
It makes hot climate habitable, allow the storage of food for a longer duration and delivery of fresh food to farther distance places. Currently air conditioning and refrigeration engineering applications are not only limited to residential purposes rather it has been extended to commercial purpose like maintaining temperature in malls, airports, industries in line with industry 4.0.

COURSE OBJECTIVE

Observing huge demands and opportunities in this field, WSC is conducting a one-year advance course in “Air-conditioning & Refrigeration”. The one-year course aims to offer servicing, maintaining, repairing, installing of refrigeration and air-conditioning equipment for residential and commercial buildings. Each lab is equipped with highly advanced equipment’s supplied by leading brands like Labtech international ltd., Schneider electric etc.



Commercial Refrigeration Systems Lab



Air Conditioning Distributed Systems Lab



Integrated Building Management Systems Lab



Residential Air Conditioning Services

HITACHI
Inspire the Next

Carrier

Whirlpool

LG

VOLTAS
A TATA Enterprise



School Of Services

BEAUTY WELLNESS & SPA

About US

Helping the new generation to reach the heights of a career in Beauty & Wellness. We are offering Advance and Basic Training so that everyone can make sure that they are in the right path of a quality education in this industry.



Courses details

Courses Available as Long term and Short term.

1 Year Course- Beauty Therapist (Long term)

1 month- Odia Bridal Makeup (Short term)

Here Student will learn through the hands on practice with Modern Beauty Equipments, Attractive infrastructure and with advance AV learning System.



Career Opportunities

We not only prepare the students to be the best beauty therapist but also to be a successful entrepreneur by nurturing with advanced technology learning.

Career scope as Makeup Artist in:

1. A Well-known Beauty Salons
2. Beauty Clinics
3. Cosmetology/Dermatology Clinics
4. Personal Makeup artists to celebrities
5. Business learning Ideas to be an Entrepreneur

Be a Beauty Therapist and Get Your Wings of Success.



WORLD SKILL CENTER

HAIR FASHION AND DESIGN



Taking a hair dressing course can give you the skill and knowledge you need to become a successful hairdresser. Here are some of the benefits you can gain from taking a hairdressing course is you'll learn:

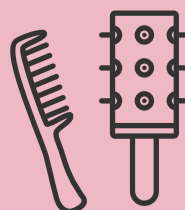
- The fundamentals of the hair styling and cutting. The latest hair fashion trend.
- Popular hair dressing techniques.
- How to choose the right hair products for different hair types. Professional hair dressing skills.
- How to create a variety of hair styles.

Each of our studios are designed to fulfill students expectation which consist of advance equipment and products.

Beyond fashion a power of self expression and making a statement of giving an opportunity to show off your personality. Fashion does not walk there alone. It's decorated with a number of features to form a style and become complete. Hairstyling is one of the most important features to form a certain style, help you find your personality, and to even dictate a certain outfit.



If you have a passion for styling for hair and want to become a successful hairdresser, you should consider taking a hair dressing course at WSC. You'll also have the opportunity to take advantage of hair dressing course opportunities available for students. So what are you waiting for? Unlock your inner hairdresser and take a hair dressing course today!





WSC ACADEMY

"A premier centre of teaching and learning excellence of vocational education in Odisha."

Staff Capability Development

The aim of staff capability development is to develop staff capabilities that will make WSC the hub of technical and vocation education in this region. It will aim to develop the competences of trainers and leaders in the area of leadership, curriculum development, pedagogic skills, assessment strategies, e-learning and educational research.

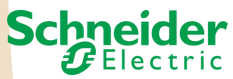


Student Capability Development

The WSC Academy takes the lead in developing students' capabilities in 21st Century skills, namely in the area of Communication, Collaboration, Critical Thinking, Creative Thinking and Information, media and Technical skills to achieve career success in a global economy. This will produce top-notch graduates who are technically competent, versatile, innovative, adaptable and highly sought after by the industries and stakeholders. The Academy will prepare all ITI trainers and polytechnic lecturers to be equipped with skills and competencies necessary to develop students to acquire the personal values, habits and attitudes necessary to be employable. It will also curate.



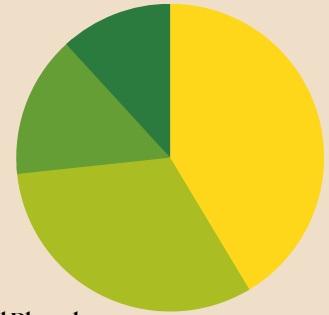
Our Recruiters:



Students got 2 Offers
61

PLACEMENT (%)
77

APPEARED
214



Total Placed
165

Congratulations!



Top 24 Students selected for Singapore Internship Programme

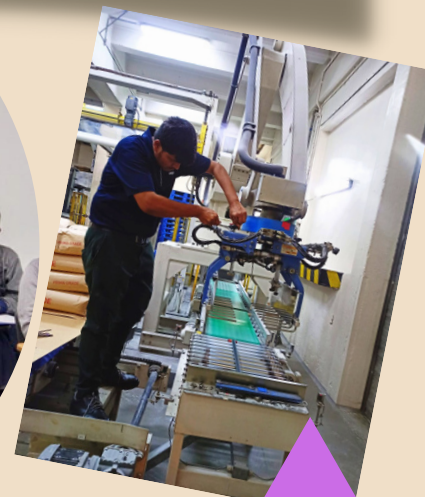
Students at International Platform



Steel 1 India Pvt. Ltd
Ranipet, Tamilnadu



EFS, DUBAI



LOVE WORLD SKILL CENTER

love is the foundation of mutual prosperity

Merry Christmas

See off by Honourable CM prior to student exchange program with ITEES Singapore



The best action is interacting with CEO



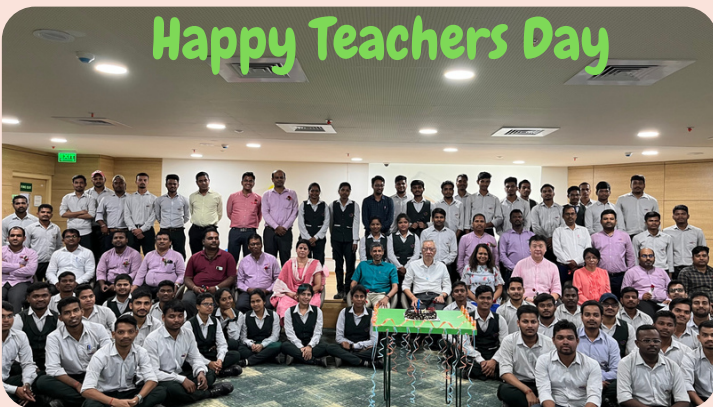
Happy New Year 2023



WORLD YOUTH SKILL DAY



Happy Teachers Day



Happy Diwali



Dr. Subhanga Kishore Das
Deputy Principal,
World Skill Center (WSC)

THE PATH AHEAD

"Tell me and I forget, teach me and I may remember, involve me and I learn." ...

I am delighted that, World Skill Center (WSC) is coming up with its first news Letter "WSC Gazette". I congratulate the entire team for this. In this, I look forward to find the glimpses of the remarkable works done by the WSC team, New technical updates, Wonderful stories and other articles which will provide the reader with knowledge and pleasure of reading and showcase WSC to the world.

World Skill Center is committed to elevate the whole Skill eco system of Odisha and the country to a new global height with its constant and structured effort, under an able and equally committed leadership. We have succeeded to start 1- year flagship programs in Six niche areas and effort is in full swing to start the other two courses shortly. We have also plans to expand this to new courses as per the Industry requirement. WSC will put constant effort for providing the youth of Odisha with the right kind of skills and knowledge to make them globally employable. Under Hub-Spoke model, WSC is also hand hold the ITI & Polytechnics of the state in all fronts. There are plans to scale up the activities of WSC to other parts of the state to leverage maximum advantage for the effort.

I expect that the newsletter shall facilitate the reader with the latest in skills and reach a great height like the Institute, with all good efforts of the entire WSC team.

Dream is Not that which you see while you are sleeping.... But that which does not let you sleep...

My Best wishes for Team WSC.



Editors Team



Quote of the Edition- From the Editorial Board

"The Universe will always mirror your energy back to you. The Quality of your thoughts, your actions, and the words you speak impact the quality of your life. Surround yourself with people who bulid you up. Ask for help. Pray. Do everything you can to feel good about being alive. The Universe will respond to how you feel, in all ways, always."



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