



**YOUR** **LAUNCHING**  
**FUTURE**

YOUR



**WESTERN TVET**  
**College**

**4IR** Centre



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# Message from the Principal



It is my pleasure as Principal to welcome all our honourable guests to the launch of our new 4IR centre. As a college we are very excited to be entering a new era in technology.

The development of this centre, provides our students with more opportunities in a fast changing world. Global urbanisation is at the forefront worldwide and to be on the cutting edge of technology is necessary in all Higher Education Institutions.

Thank you to our partners in this endeavour, including the Department of Higher Education and Technology (DHET), ETDP SETA, University of Johannesburg (UJ) and Resolution Circle. Your support to the project cannot be measured in rand and cent value, but exceeded expectations and we salute you.\

As a campus, Carletonville is laying the foundation for our other campuses to follow. The Campus Management Team has dedicated

several days and hours to ensure that all will be in place for the launch.

Our lecturers have been professionally trained to be able to academically assist our students and enhance their chance of success. They are committed to the new programme and promise an exciting delivery of the curriculum to students.

As management we are proud to pledge our support and dedication to the programme.

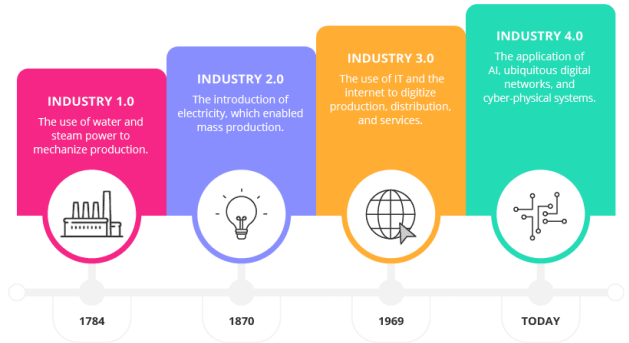
Enjoy this day with us and welcome to our future!

A handwritten signature in black ink, appearing to read 'JT Ngcobo'. The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Mr JT Ngcobo  
Principal

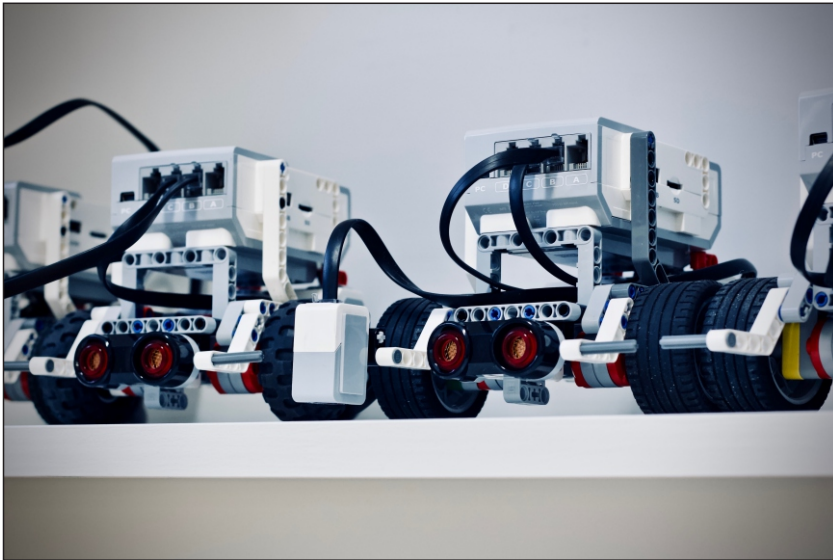
# 4IR History

## Moving from 1.0 to 4.0



The Fourth Industrial Revolution (4IR) is a movement to a new era of innovation in technology. Enhancing the relationship between man and machine, unlocking new opportunities. To support this movement we need

empowerment with the introduction of new technologies in the classroom but also a revised curriculum with new exciting subjects to support upskilling our youth.



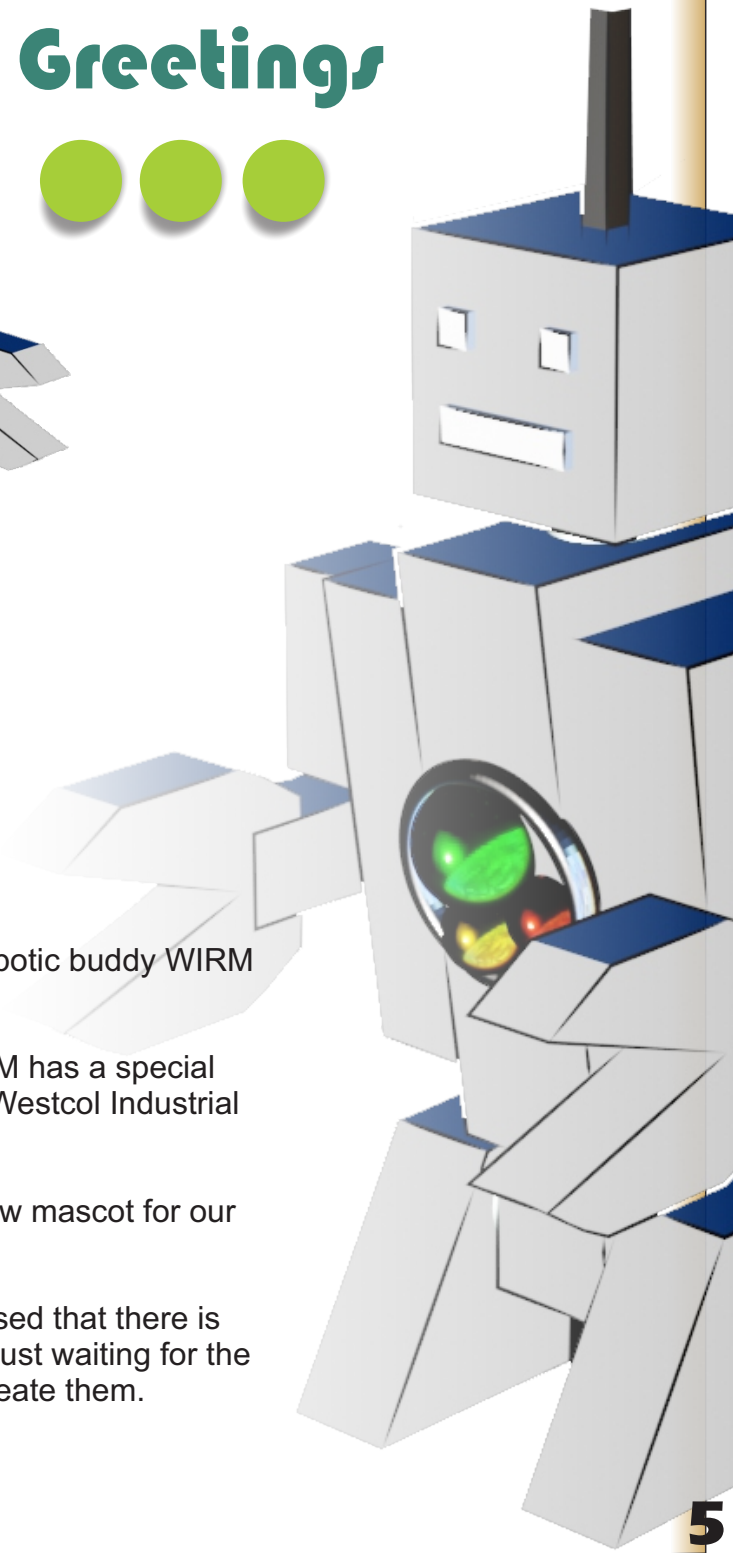
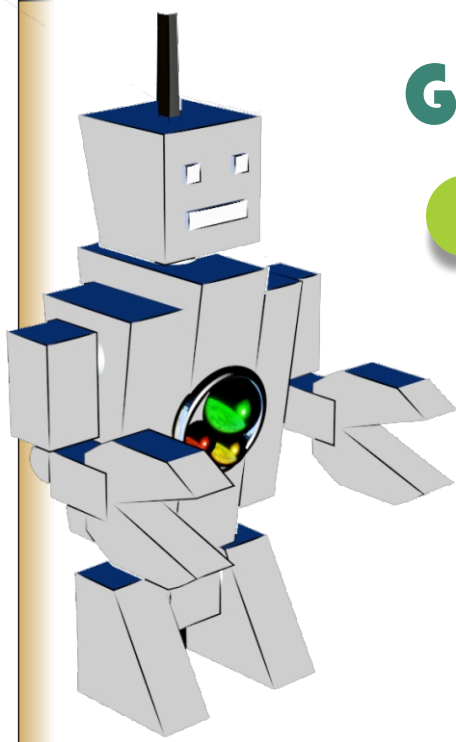
4IR in the world are adopting game changing technologies such as artificial intelligence (AI), Robotics, Cloud Computing and the Internet of Things (IoT).

an adequate supply of advanced engineering talent. Skilled people in regular jobs that have the ability to deal with new technologies. The education sector in South Africa is entering technological

The College is excited to be part of this National movement to 4IR and becoming one of the key players in moving to the next level!

*(Adapted from Source: <https://www.getsmarter.com/blog/career-advice/the-4th->*

# Greetings



**M** meet our 4IR robotic buddy WIRM

As with all robots WIRM has a special robotic coded name. Westcol Industrial Revolution Mascot.

WIRM-is the official new mascot for our 4IR centre.

WIRFF-me also promised that there is several friends of him just waiting for the Robotics Mania's to create them.

Welcome to our family.

# At a glance - Westcol

## Background

Western College (Westcol) is one of 50 public TVET Colleges that forms part of the Department of Higher Education and Training in terms of the Continuous Education and Training (CET) Act, 16 of 2006(as amended)

## History of Westcol

Western College for Further Education and Training (Westcol) was established in 2002 when the former Carletonville and Randfontein Technical Colleges merged.

Westcol acquired Krugersdorp and Krugersdorp-West campuses in 2004 and ceded Carletonville Campus to the Northwest province when the provincial borders were demarcated for the 2004 elections. Carletonville Campus was reallocated to Westcol in 2008 after the provincial borders reverted to the pre 2004 provincial borders and

Merafong Municipality was once again reinstated as part of Gauteng. Westcol acquired the current corporate office building in 2008. A satellite

campus at Westonaria was established in 2015.

A new logo was developed to depict a new and vibrant organisation of unity and opportunity.

## Our Logo

Symbolic Values:

The outside ring reflects our trust and unity. Each colour also has a special meaning:

Green: Indicates growth and hope.

Red: Indicates power and energy

Gold: Associated with prosperity, quality and prestige

Blue: Symbolizes trust, loyalty, wisdom, confidence, intelligence and truth.

Silver: Illuminates our way forward

Our vision is enthralled in being your innovative and holistic partner in life-long learning

We have set out our mission to provide relevant and accessible quality education, training and development opportunities through innovative teamwork that benefits our students, communities and country

We pride ourselves in our values of · Batho Pele, Innovation, Integrity, Honesty, Respect, Teamwork and Quality.



# PROJECT 4IR



## BACKGROUND

Various TVET Colleges received grant funding from ETDP Seta to upgrade their TVET facilities to their teaching and learning capabilities by establishing a 4IR laboratory at their campus. To this end, a formal Memorandum of Agreements was signed between the beneficiary TVET Colleges and the ETDP Seta.

To assist with the implementation of the program, WestCol engaged with the University of Johannesburg and the two parties concluded a formal Service Level Agreement on 01 March 2022. This SLA requested the University of Johannesburg and Resolution Circle to provide a range of services to WestCol that will see them incorporate 4IT technology and equipment into their engineering academic programs.

## SCOPE OF WORK

The general plan was to establish a fully equipped 4IR training

laboratory at the campus, incorporate Industry 4.0 revitalization resources and equipment into the engineering academic programs, and expose the engineering lecturers to an engineering and 4IR-type structured Work Integrated Learning program. “One-button studios” was included in the project to improve blended learning teaching practices at the various WestCol Campuses.

To assist with transitioning from N courses to NCV and Occupational Qualifications, the Electrical and Mechanical Workshops were also refurbished.

## PROJECT OUTLINE

The project was implemented using the stream approach. Each of the streams had an appointed team leader, a well-defined project plan, and a detailed budget:

# PROJECT 4IR



## PROJECT IMPLEMENTATION

### Activity 1

Provide Carletonville Campus with Industry 4.0 Laboratory Room

### Activity 2

Set up the Strategic Project Implementation Steering Committee

### Activity 3

Establish and equip a functional Industry 4.0 Laboratory

### Activity 4

To align Industry 4.0 programmes with Carletonville Campus academic programmes

### Activity 5

Develop a HRD plan and WIL to expose Carletonville Campus lecturing staff to Industry 4.0

### Technical WiL and

### Stem/Coding/Robotics

### Activity 6

Establish and equip an audio and video recording “one button studio” per campus

### Activity 7

Accreditation for Electrical and Fitter workshops at Carletonville Campus

## BUDGET

R4 000 000

## GENERAL

The project had a 48-week duration. Resolution Circle did the project management, procurement of goods and services, and delivery and installation of equipment.

The University of Johannesburg provides governance and accounting services and oversight.

Payment of invoice transactions was directly between ETDP SETA and the University of Johannesburg, with the College as the direct beneficiary of the project deliverables.

Released by:

CORRIE SMIT

PROJECT MANAGER

RESOLUTION CIRCLE (PTY) LTD

(on behalf of the University of Johannesburg)

# ETDP SETA

## **ETDP SETA Background and its commitment to the 4IR Project**

The mandate of the Education, Training and Development Practices, Sector, Education and Training Authority is to promote and facilitate skills development in the Education, Training and Development (ETD) sector for the benefit of employers, workers and employees in the sector to enable our people to participate actively in the South African economy.

The SETA is tasked with aligning the ETD sector's skills need with appropriate and relevant training and development. In so doing, the ETDP SETA and the Department of Higher Education and Training (DHET) identified ten (10) TVET colleges to establish Fourth Industrial Revolution (4IR) Centres of Excellence from which, skills training aligned to 4IR would be conducted. Westcol TVET colleges is one of the identified ten colleges.

## **Our Vision, Mission & Values**

The vision of the ETDP SETA is to be a promoter and facilitator in the development and improvement of the skills profile of the sector's workforce in order to benefit employers, workers and employees in the sector.

The ETDP SETA holds as its mission, the promotion, facilitation and development of an education, training and development sector in which:

- \* The skill levels of employees and workers are raised
- \* There is a healthy balance between supply and demand in the labour market

- \* There are diverse, flexible routes for initial and in-service education and training
- \* A variety of career paths are available
- \* The quality of education and training provision is improved
- \* The levy grant scheme is efficiently administered
- \* There is regular liaison with providers, other SETAs, the Department of Higher Education and Training, the Department of Basic Education, the National Skills Authority and South African Qualifications Authority
- \* Internal and external communication is effective in order to advance national human and resource skills development
- \* Dialogue and interaction between public and private entities in the sector with regard to skills transfer and training delivery is encouraged, and
- \* Employers, workers and employees in the sector benefit from quality training, high productivity and harmonious mutual dependencies.

We commit ourselves to:

- Transparency and fair conduct
- Honesty and integrity
- Courteousness and caring
- Honouring deadlines
- Promoting equity amongst all our stakeholders
- Cooperative governance, and
- Striving for continuous improvement.

### **ETDP SETA's Commitment to the 4IR Project**

In rolling out of the 4IR centres at TVET colleges, the ETDP SETA has committed itself to adopting a multi-pronged approach on the facilitation of skills training, aligned to the 4IR in TVET colleges. The progress made to date is significant. We remain committed in ensuring that we skill, upskill and reskill in order to respond appropriately to the challenges and opportunities of the 4IR.

#### **Service Delivery Credo**

To be at the cutting edge of Skills Development within the ETD sector, contributing to the social and economic development of the people of South Africa.

# Special Invitation

# YOUR **Launching** **FUTURE** @

## **WESTERN TVET College** **4IR** Centre

Date: 7 December 2022

Venue: Carletonville Campus

RSVP: [tcsekade@westcol.co.za](mailto:tcsekade@westcol.co.za) before 15/11/2022



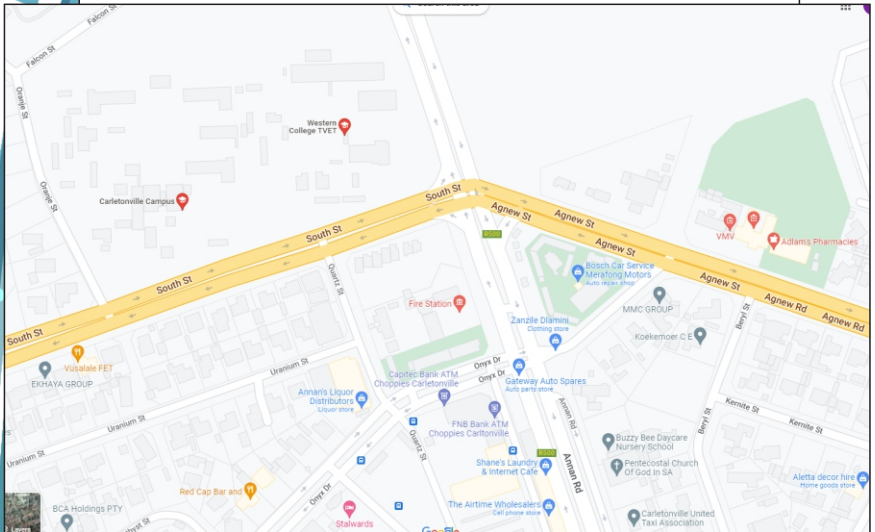
Scan for Info



**westcol** resolutioncircle  
10 YEARS OF LAUNCHING TECHNICAL CAREERS



# Map



-26.349876, 27.395565