

2026-2027 ROAD SAFETY / SUPPORT EMPIRICAL STUDY

By
AOEC, Gap Analysis 2026-2027
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Empirical Studies to
review, evaluate, resolve
and drive Quality
promotion for road safety
and support





EMPIRICAL RESEARCH

Components of Empirical Research Articles



It involves collecting and organizing empirical data.

The research outlines the empirical data, the research findings and the supporting arguments plus any challenges encountered during the research process.

Test the hypothesis entails returning to empirical methods to put the hypothesis to the test.



It is the process of reaching a conclusion by considering whether a collection of broader premises supports a specific claim.

It relies on logic and rationality to come to specific conclusions given general premises.



EMPIRICAL RESEARCH METHODS

Descriptive Research
(describes phenomena, events, situations)

Experimental Research
(identifies causes-effect relationships, quantitative)

QUANTITATIVE STUDY

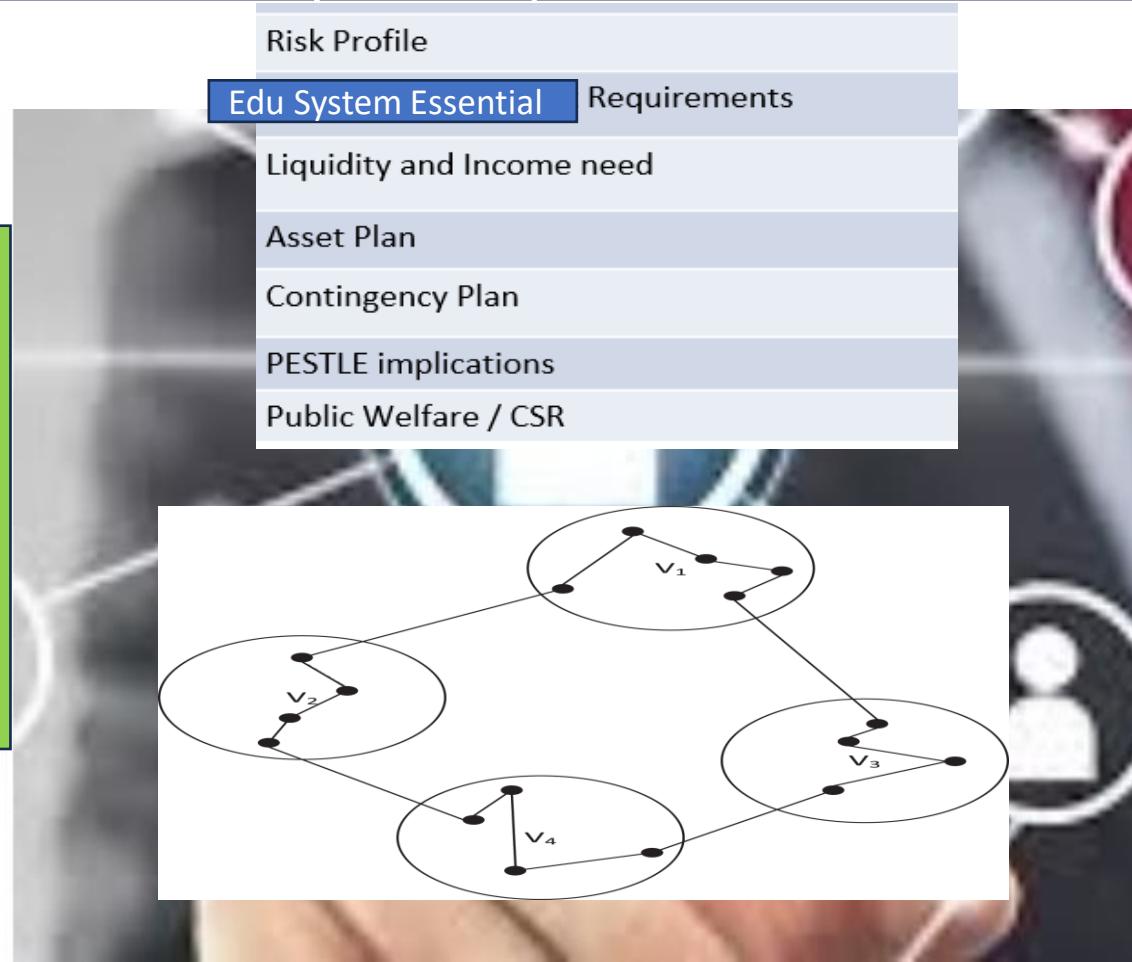
- Survey
- Correlational study
- Ex post facto study
- Longitudinal study
- Cross-sectional study
- Naturalistic observation
- Meta Analysis

QUALITATIVE STUDY

- Case Study
- Ethnography
- Phenomenology

- Laboratory Experiment
- Field Experiment
- Simulation/Benchmark

DRSS Assistants – Empirical study for your institution's/department's/curriculum's clustered-dashboard issues or any interception to address them



Responsiveness for

- ✓ Zero Traffic Antecedents
- ✓ Zero Traffic Accidents
- ✓ Active Adherence for Guidelines and Fundamentals in road safety

Risk Profile

Edu System Essential

Requirements

Liquidity and Income need

Asset Plan

Contingency Plan

PESTLE implications

Public Welfare / CSR

Continual Endeavor for

- ✓ Goals for Zero Traffic Issues
- ✓ Goals for Zero Traffic Incidences
- ✓ Goals for Zero Traffic Accidents
- ✓ SMART Connect and Quality control for Fundamental lack of road safety



NSSR Objectives



Voice of Value

Innovation & Improvement



Learning, Knowledge



Right to Education



Green Thinking

End of lifecycle

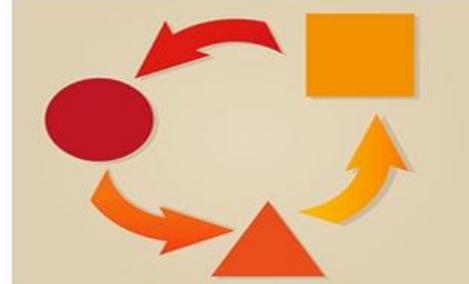


SA 8000

SOCIAL RESPONSIBILITY

NSSR THEME HANDBOOKS

Trends and Investment Cycle

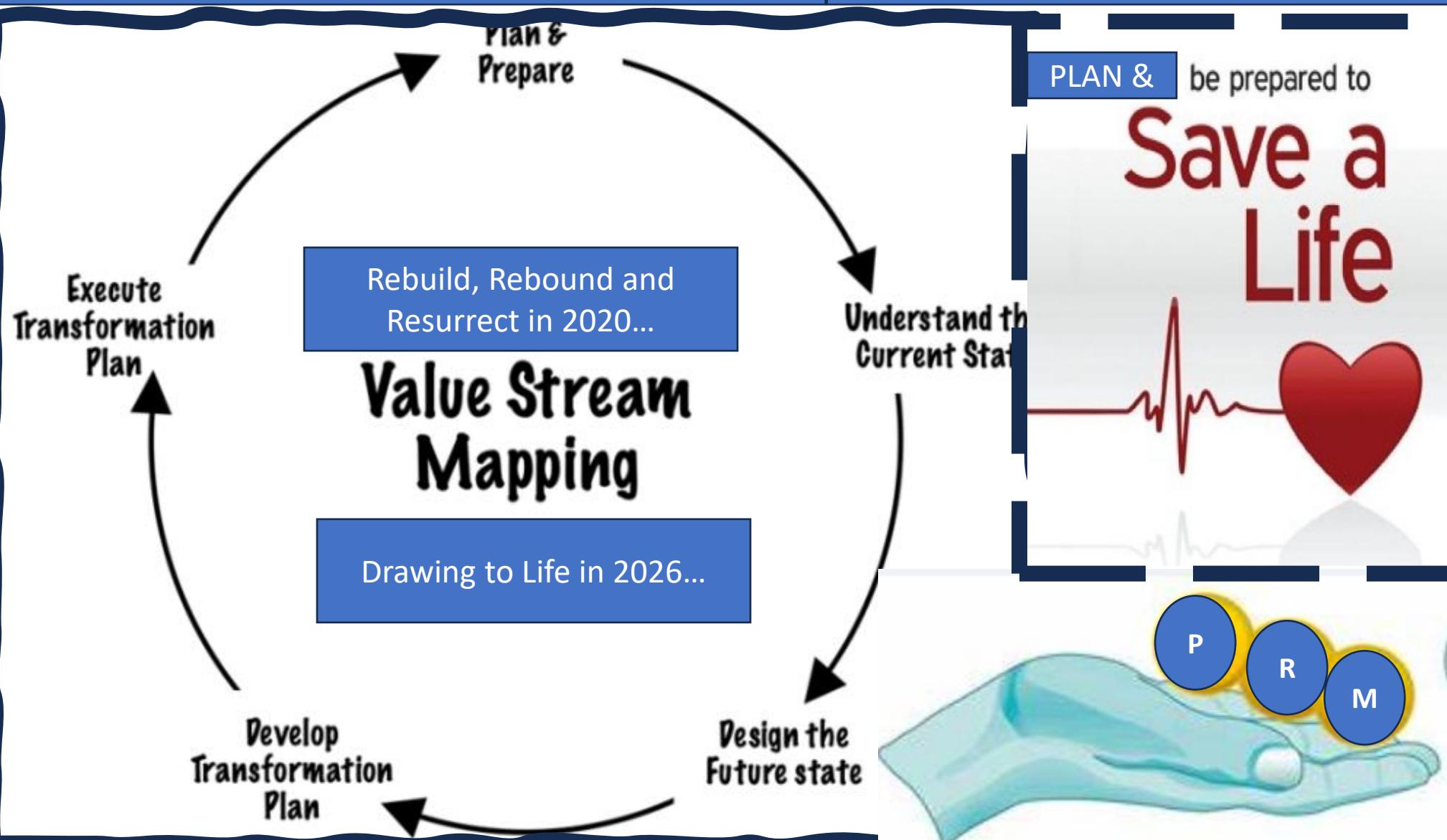


NSSR Theme Quality Promotion for a Voice of Value



Quality Promotion

Value Stream Mapping



Empirical Study focus for Dashboard for the Year 2025

- Certificate of Excellence YES / NO / NOT SATISFACTORY
- Traffic issues or incidences YES / NO / NOT SATISFACTORY
- Compliance with FMVSS standards YES / NO / NOT SATISFACTORY
- Onboarding of NSSR Road Safety objectives YES / NO / NOT SATISFACTORY
- Upgradability of NSSR Road Infrastructure objectives YES / NO / NOT SATISFACTORY
- Traffic Engineering Assets planning YES / NO / NOT SATISFACTORY
- Traffic Engineering Defects Liability YES / NO / NOT SATISFACTORY
- Improved on-road assistance YES / NO / NOT SATISFACTORY
- Cost of Quality /Cost of Poor-Quality Project Assistance YES / NO / NOT SATISFACTORY
- Complexity for Road Safety and Accountability YES / NO / NOT SATISFACTORY

Year:



**STRATEGIC
PLANNING**



**TACTICAL
PLANNING**

**OPERATIONAL
PLANNING**



Certificate of Excellence

Year End/Planner schedule based Empirical study:

Traffic issues or incidences

Empirical study:

Compliance with FMVSS standards

Empirical study:

Onboarding of NSSR Road Safety Objectives

Empirical study:

Upgradability of NSSR Road Infrastructure Objectives

Empirical study:

Traffic Engineering Assets Planning

Empirical study:

Traffic Engineering Defects Liability

Empirical study:

Improved on-road assistance

Empirical study:

Cost of Quality/ Cost of Poor Quality Project assistance

Empirical study:

Complexity for Road Safety and Accountability

Empirical study:

Value steam mapping

Empirical study:

Empirical Study focus for the Dashboard for the Year/Season 1

- Certificate of Excellence YES / NO / NOT SATISFACTORY
- Traffic issues or incidences YES / NO / NOT SATISFACTORY
- Compliance with FMVSS standards YES / NO / NOT SATISFACTORY
- Onboarding of NSSR Road Safety objectives YES / NO / NOT SATISFACTORY
- Upgradability of NSSR Road Infrastructure objectives YES / NO / NOT SATISFACTORY
- Traffic Engineering Assets planning YES / NO / NOT SATISFACTORY
- Traffic Engineering Defects Liability YES / NO / NOT SATISFACTORY
- Improved on-road assistance YES / NO / NOT SATISFACTORY
- Cost of Quality /Cost of Poor-Quality Project Assistance YES / NO / NOT SATISFACTORY
- Complexity for Road Safety and Accountability YES / NO / NOT SATISFACTORY



STRATEGIC PLANNING



TACTICAL PLANNING

OPERATIONAL PLANNING



Certificate of Excellence

Summer season/Planner schedule based Empirical study:

Traffic issues or incidences

Empirical study:

Compliance with FMVSS standards

Empirical study:

Onboarding of NSSR Road Safety Objectives

Empirical study:

Upgradability of NSSR Road Infrastructure Objectives

Empirical study:

Traffic Engineering Assets Planning

Empirical study:

Traffic Engineering Defects Liability

Empirical study:

Improved on-road assistance

Empirical study:

Cost of Quality/ Cost of Poor Quality Project assistance

Empirical study:

Complexity for Road Safety and Accountability

Empirical study:

Value steam mapping

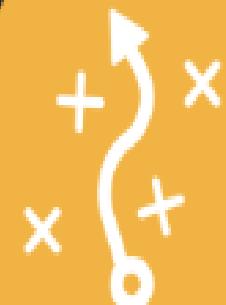
Empirical study:

Empirical Study focus for the Dashboard for the Year/Season 2

- Certificate of Excellence YES / NO / NOT SATISFACTORY
- Traffic issues or incidences YES / NO / NOT SATISFACTORY
- Compliance with FMVSS standards YES / NO / NOT SATISFACTORY
- Onboarding of NSSR Road Safety objectives YES / NO / NOT SATISFACTORY
- Upgradability of NSSR Road Infrastructure objectives YES / NO / NOT SATISFACTORY
- Traffic Engineering Assets planning YES / NO / NOT SATISFACTORY
- Traffic Engineering Defects Liability YES / NO / NOT SATISFACTORY
- Improved on-road assistance YES / NO / NOT SATISFACTORY
- Cost of Quality /Cost of Poor-Quality Project Assistance YES / NO / NOT SATISFACTORY
- Complexity for Road Safety and Accountability YES / NO / NOT SATISFACTORY



STRATEGIC PLANNING



TACTICAL PLANNING

OPERATIONAL PLANNING



Certificate of Excellence

Spring season/Planner schedule based Empirical study:

Traffic issues or incidences

Empirical study:

Compliance with FMVSS standards

Empirical study:

Onboarding of NSSR Road Safety Objectives

Empirical study:

Upgradability of NSSR Road Infrastructure Objectives

Empirical study:

Traffic Engineering Assets Planning

Empirical study:

Traffic Engineering Defects Liability

Empirical study:

Improved on-road assistance

Empirical study:

Cost of Quality/ Cost of Poor Quality Project assistance

Empirical study:

Complexity for Road Safety and Accountability

Empirical study:

Value steam mapping

Empirical study:

Empirical Study focus for the Dashboard for the Year/Season 3

- Certificate of Excellence YES / NO / NOT SATISFACTORY
- Traffic issues or incidences YES / NO / NOT SATISFACTORY
- Compliance with FMVSS standards YES / NO / NOT SATISFACTORY
- Onboarding of NSSR Road Safety objectives YES / NO / NOT SATISFACTORY
- Upgradability of NSSR Road Infrastructure objectives YES / NO / NOT SATISFACTORY
- Traffic Engineering Assets planning YES / NO / NOT SATISFACTORY
- Traffic Engineering Defects Liability YES / NO / NOT SATISFACTORY
- Improved on-road assistance YES / NO / NOT SATISFACTORY
- Cost of Quality /Cost of Poor-Quality Project Assistance YES / NO / NOT SATISFACTORY
- Complexity for Road Safety and Accountability YES / NO / NOT SATISFACTORY



STRATEGIC PLANNING



TACTICAL PLANNING

OPERATIONAL PLANNING



Certificate of Excellence

Monsoon season/Planner schedule based Empirical study:

Traffic issues or incidences

Empirical study:

Compliance with FMVSS standards

Empirical study:

Onboarding of NSSR Road Safety Objectives

Empirical study:

Upgradability of NSSR Road Infrastructure Objectives

Empirical study:

Traffic Engineering Assets Planning

Empirical study:

Traffic Engineering Defects Liability

Empirical study:

Improved on-road assistance

Empirical study:

Cost of Quality/ Cost of Poor Quality Project assistance

Empirical study:

Complexity for Road Safety and Accountability

Empirical study:

Value steam mapping

Empirical study:

Empirical Study focus for the Dashboard for the Year/Season 4

- Certificate of Excellence YES / NO / NOT SATISFACTORY
- Traffic issues or incidences YES / NO / NOT SATISFACTORY
- Compliance with FMVSS standards YES / NO / NOT SATISFACTORY
- Onboarding of NSSR Road Safety objectives YES / NO / NOT SATISFACTORY
- Upgradability of NSSR Road Infrastructure objectives YES / NO / NOT SATISFACTORY
- Traffic Engineering Assets planning YES / NO / NOT SATISFACTORY
- Traffic Engineering Defects Liability YES / NO / NOT SATISFACTORY
- Improved on-road assistance YES / NO / NOT SATISFACTORY
- Cost of Quality /Cost of Poor-Quality Project Assistance YES / NO / NOT SATISFACTORY
- Complexity for Road Safety and Accountability YES / NO / NOT SATISFACTORY



STRATEGIC PLANNING



TACTICAL PLANNING

OPERATIONAL PLANNING



Certificate of Excellence

Winter season/Planner schedule based Empirical study:

Traffic issues or incidences

Empirical study:

Compliance with FMVSS standards

Empirical study:

Onboarding of NSSR Road Safety Objectives

Empirical study:

Upgradability of NSSR Road Infrastructure Objectives

Empirical study:

Traffic Engineering Assets Planning

Empirical study:

Traffic Engineering Defects Liability

Empirical study:

Improved on-road assistance

Empirical study:

Cost of Quality/ Cost of Poor Quality Project assistance

Empirical study:

Complexity for Road Safety and Accountability

Empirical study:

Value steam mapping

Empirical study:

Ease of Doing Business in 2026-2027



Ease of Education in 2026-2027



SCHOOLS (WITH HIGH SCHOOL CURRICULUMS)

PRE-UNIVERSITY COLLEGES

GRADUATE COLLEGES

POST GRADUATE COLLEGES

SKILL UP INSTITUTES

