NAST Conference Breakaway Session Feedback Template

**Theme: Innovating Technical Education for a Changing World**

**civil technology: Construction**

Facilitator Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Rapporteur Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Group Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: 01 July 2025

Session Topic (Extension):

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## 1. Aligning Curriculum with Industry Needs

How can technical education align the curriculum with industry's needs?
Please provide practical strategies and planning for improved relevance and responsiveness.

Group Insights & Recommendations:

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| --- | --- | --- | --- |
| **KEY ASPECT** | **CHALLENGES** | **INDUSTRY EXPECTATION** | **RECOMMENDATIONS** |
| ASSESSMENT | * More weighting on theory than practical’s (SBA 75% and 25%PAT)
 | * Practical knowledge and skills.
 | * Review of the weighting (50% SBA and 50% PAT)
* Administration of Paper 1 and Paper 2 in construction.
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| CONTENT TAUGHT | * Exclusion of relevant chapter from the content (structural forces)
* PAT practical’s not relevant to the industry
 | * Application of theory in the practical world, to eliminate hazards.
 | * Re-view the curriculum to align with industry needs
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| RESOURCES/LTSM | * Workshops are not properly equipped.
* Not having required LTSM to teach the subject
 | * Compliance with the OHSA.
 | * All technical schools offering technical subjects must comply in accordance with OHSA.
* Establish a regulating body to monitor standard of workshops at schools.
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## 2. Addressing Teacher Shortages in Specialized Technical Subjects

Specific ideas and suggestions to address teacher shortages in specialized technical subjects.
Consider recruitment, training, and retention strategies based on current realities.

Group Insights & Recommendations:

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| --- | --- |
| **KEY ASPECT** | **RECOMMENDATIONS** |
| Shortage of teachers | * Norms and standards of technical specialization be approved and implemented (NAST/DBE)
* Correct recruitment as per needs
* Technical Comprehensive schools to become fully technical schools.
* Marketing the technical subjects to learners at school to pursue technical subjects.
* Improving teacher remuneration
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## 3. Enhancing School-Industry Partnerships

How can technical schools participate in and benefit from school-industry partnerships?
Include workplace exposure opportunities for learners.

Group Insights & Recommendations:
- Job shadowing
- school must market itself with good results and network
- participation of teachers and learners in skills competitions.

* Open day career expo

## 4. Gaining Recognition as Special-Focus Schools

How can technical schools gain greater recognition as special-focus schools?
Explore branding, policy, and community engagement approaches.

Group Insights & Recommendations:
- consistency in good performance and ‘branding’
- social media platforms (webpages)
- QLTCs campaigns (expertise from outside the school)

-admission policy of school to be clear, safety policy

-technical schools should identify a special focus area/subject

## 5. Integrating eLearning in Practical Subjects

Will the integration of eLearning platforms in practical subjects be effective?
How can we prepare for this future-oriented shift? Identify tools, training needs, and implementation steps.

Group Insights & Recommendations:
- Yes!
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|  |  |  |
| --- | --- | --- |
| TOOLS | TRAINING NEEDS | IMPLEMENTATION |
| * Computer, software
* 3D printers, projectors, visualizers
* Wi-Fi, smart boards, cellphones
* E-learning e.g google teams/zoom/Microsoft teams/moodle/4IR workshops
 | * ICT for teachers
 | Management plan:* procurement
* Training Provincial team
* Teacher trainings
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## Summary of Group Feedback

Top 3 Recommendations:
1. • Norms and standards of technical specialization be approved and implemented (NAST/DBE)
2. • Re-view the curriculum to align with industry needs
3. • Review of the weighting (50% SBA and 50% PAT)

Challenges Identified:
- • More weighting on theory than practical’s (SBA 75% and 25%PAT)
- • Workshops are not properly equipped.
- • More weighting on theory than practical’s (SBA 75% and 25%PAT)

Proposals Worth Scaling or Piloting:
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