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Executive summary

The Aviation Safety Campaign in Nepal has been recognized by the Nepalese Ministry of Culture, Tourism and Civil Aviation, Nepal Civil Aviation Authority, and Airline Operators Association of Nepal since its inception as one of the leading aviation safety promotion events to enhance and improve the safety awareness in the region. The event is attended by numerous aviation organizations within Nepal such as the Civil Aviation Authority of Nepal, various airlines, and service providers in the industry.

The safety campaign workshops were attended more than 160 sessions combined delegates from various Nepalese Airlines

Due to a recent accident in Nepal the campaign was slightly changed and didn't include an opening ceremony hence no attendance from the AOAN, CAA, Ministry, or other official entities, additionally an effective implementation of SMS brief session was added on the third day.

The campaign extended for 3 days to cover all four technical sessions were conducted:

-  Aviation Safety Leadership – Capt. Naser Iqbal
-  Fatigue Risk Management – Capt. Hesham Hemy & Mr. Hamed Almahdali
-  Aviation Safety Investigation – Capt. Naser Iqbal
-  Effective implementation of SMS brief– Capt. Hesham Hemy

The event was highly appreciated by the authorities and the participants and were in full support of conducting such campaign to keep on improving aviation safety in the region.

Testimonials

“Excellent Lectures”, Participant

“It was Perfect”, Participant

“Very Good”, Participant

Brief about the campaign activities

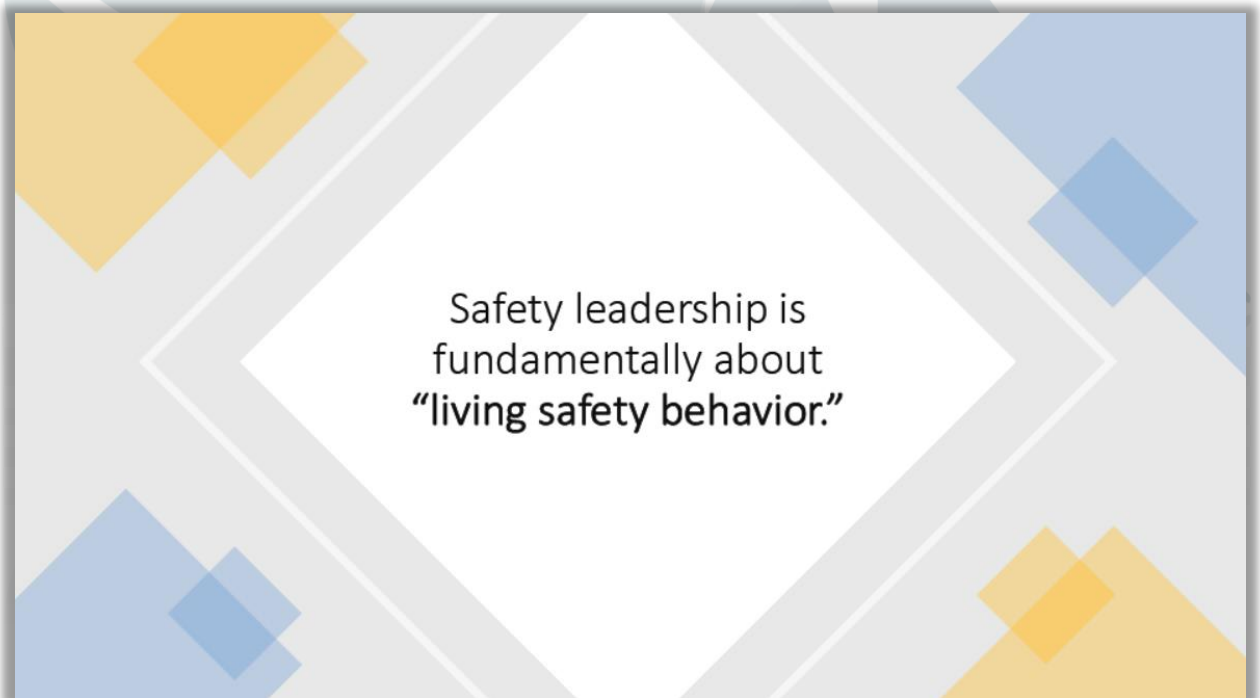
This year's Aviation Safety Campaign agenda was slightly modified due to the unfortunate Tara Air aircraft accident, and it didn't include the opening ceremony, rather delegates were assigned to their workshops after their registration.

The campaign was split into 4 (four) Technical sessions:

Aviation Safety Leadership – Capt. Naser Iqbal, Constellation Aviation Services

 The presentation objectives were to understand the leadership role in Aviation safety and focused on:

- What is leadership
- How is leadership linked with safety culture?
- How can we inculcate safety leadership?
- The role of emotions in Aviation safety
- Dirty Dozens
- Effective communication
- Safety coaching to develop a Just culture
- Safety leadership from a business perspective
- Expanded definition of safety culture



Safety leadership is
fundamentally about
“living safety behavior.”

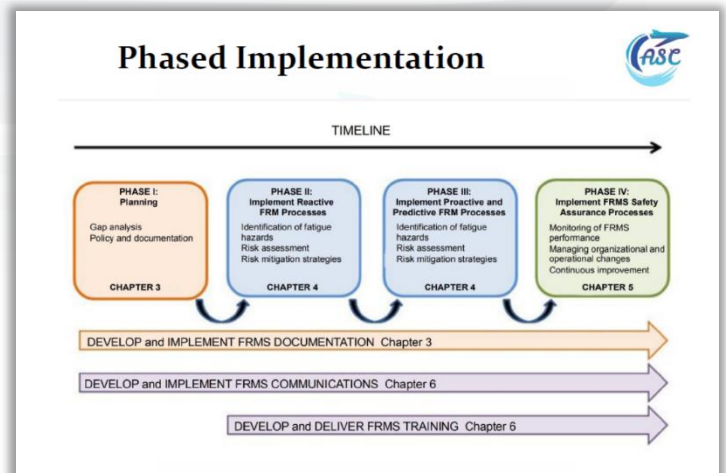
Fatigue Risk Management – Capt. Hesham Hemy Petroleum Air Services & Hamed Al Mahdali, Dubai CAA

The session was jointly delivered by two instructors to give a wider spectrum of the topic as listed below:

- What is Human Factor?
- Shell Model
- What is fatigue and why fatigue?
- Fatigue is a risk state!
- Fatigue hazards
- Effects of Fatigue
- Impact of fatigue in the workplace
- Causes of fatigue
- Factors that increase the impact of fatigue
- Managing Fatigue risks
- Dealing with fatigue
- **Fatigue risk Management Systems** FRMS components
 - *Safety Policy & Objectives:*
FRMS policy, responsibilities, and documentation
 - *Safety Risk management:*
Hazard Identification
Risk Assessment
Risk Mitigation
Implementation
 - *FRMS Safety Assurance Processes*
Monitor effectiveness of FRM
Management of change
Continues improvement of FRM
 - *FRMS Promotion Processes*
Training Programmes
FRM

Communication plan

- **FRM Implementation phases:**
 - Planning
 - Implementation reactive FRM Processes
 - Implement proactive and predictive FRM processes
 - Implement FRMS safety assurance processes



➤ Personal Fatigue countermeasures strategies

- FRMS Implementation
- Strategies to stay alert while working
- Sleeping Habits
- Caffeine
- Drugs and Alcohol
- Healthy Eating
- Physical Exercise





Aviation Safety Investigation – Capt. Naser Iqbal

The speaker and as an introduction to the workshop highlighted on the main topics of Safety Management System Including definitions of Safety, Components and elements of SMS, Hazards identification and risk mitigation, the need to balance protection and production, Staff Safety Responsibilities, then he covered Aviation Safety Investigation:

- Safety investigation VS Accident investigation
- Purpose of aviation safety investigation
- Structure of Safety Investigation



- Safety Investigation Risk Assessment
- Safety investigation analysis
- Corrective actions

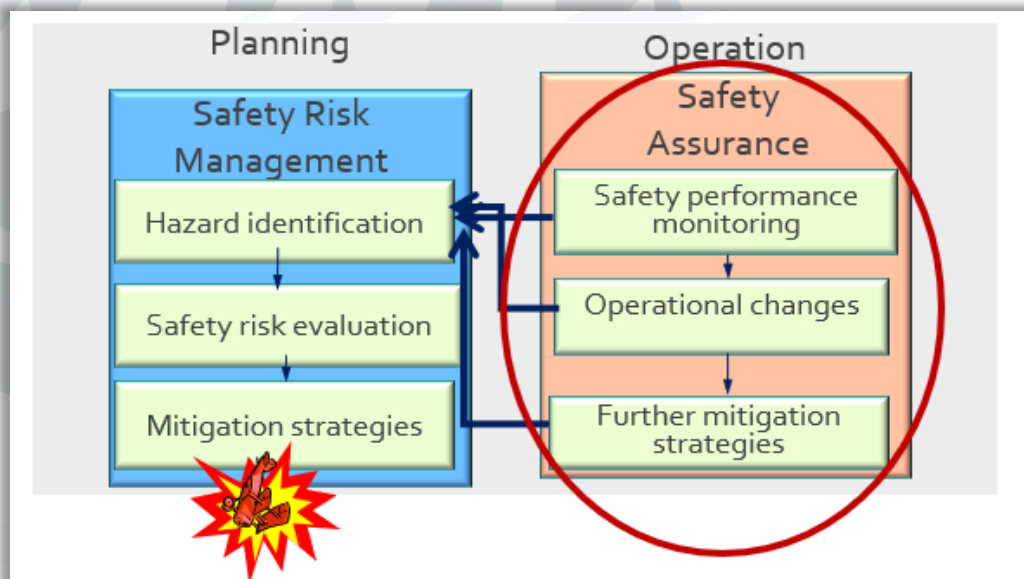




Safety Management System (SMS) into the Future – Capt. Hesham Hemy

The speaker was able to combine multiple topics under the workshop title and he threaded them by combining:

- System Safety concepts (hazard, risk, mishaps)
- Human Factors –ergonomics (human machine interface), physiology (ex. fatigue, stress), psychology (social, organizational, cognitive)
- Business Management –for aviation, driven in part by deregulation.
- He then detailed many subtopics such as:
 - Safety Accountability
 - Safety Review Committee and action groups
 - SMS implementation phases and challenges
 - SMS processes and procedures
 - Vulnerabilities and their relationship with Safety Risk Management
 - Quantification of Risk using risk assessment tables (Severity & Probability)
 - Factors Affecting Risk Acceptance
 - Safety Risk Management
 - Relationship between Safety Risk Management and Safety Assurance

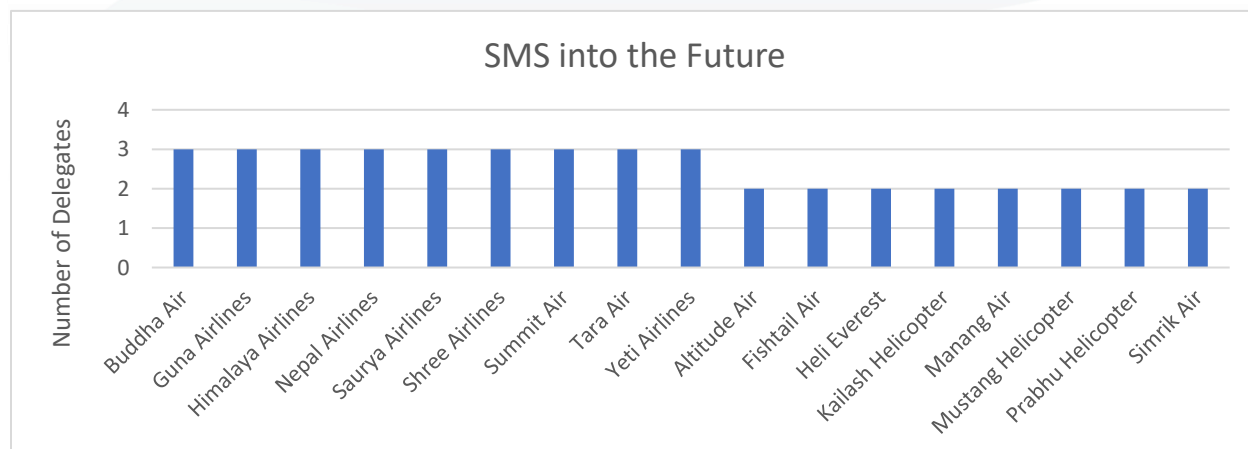
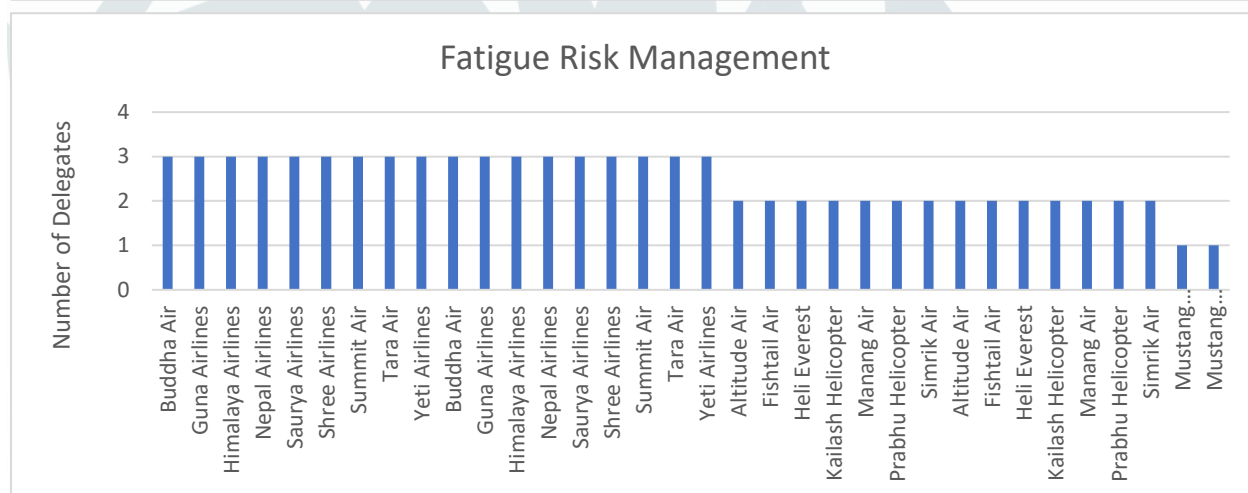
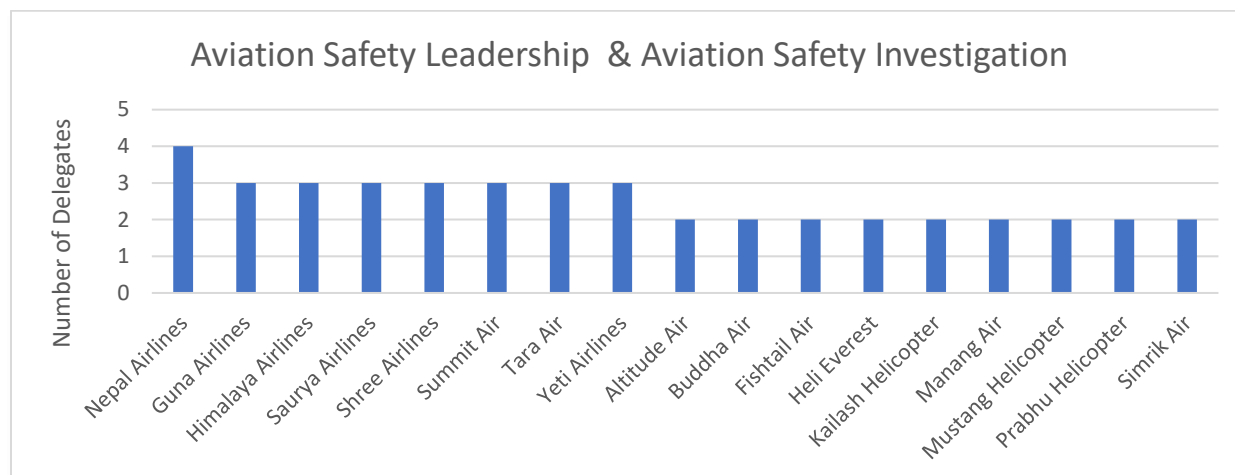


- Safety performance indicators and targets of an SMS
- SMS limitations
- Adaptation of Human performance to Organizational Systems
- People, Safety, and context
- Operational Error intervention
- Errors from the psychology-based perspective
- Errors from the system-based perspective



Participants

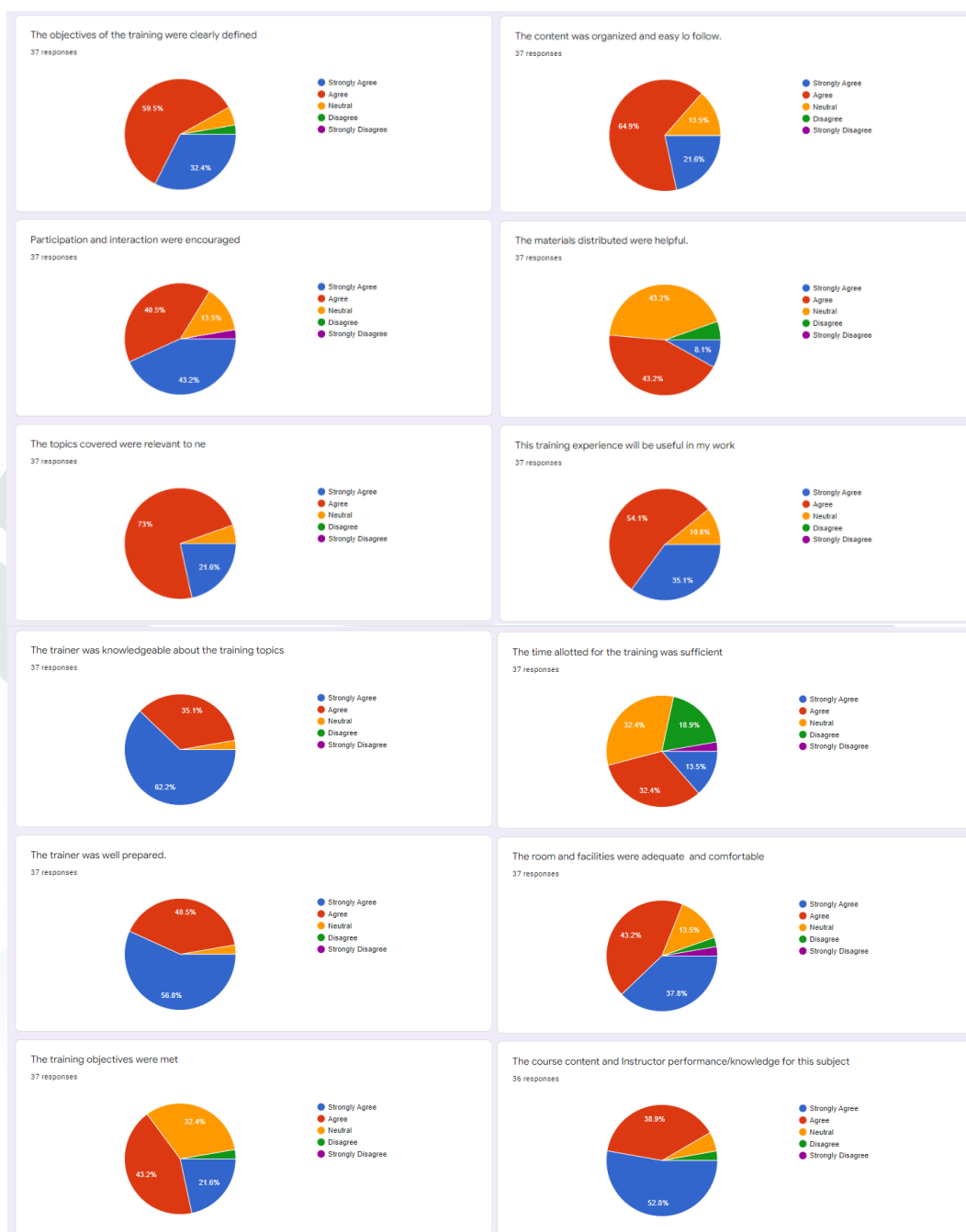
The 9th Nepal Aviation Safety Campaign was open for registration to all Regional Civil Aviation Authorities, air operators and other stakeholders. However due to the aircraft accident that happened one week before the event, affected the delegations from the CAA, AOAN and was mainly focused on delegates from operators. More than 160 attendees combined from Nepalese airlines attended the 4 sessions registered to attend workshops distributed as below:



Campaign Feedback

The workshops participants were given feedback forms where they were able to submit their comments and recommendations about each workshop individually and the feedback per workshop were compiled as below:

Aviation Safety Leadership & Aviation Safety Investigation Feedback



Other feedback:
Excellent lecture
Very Good

Fatigue Risk Management Feedback



Other feedback:

Thank you for this awesome session

Overall, the session was very informative and practicable

SMS Into the Future Feedback



Other feedback:
Extremely satisfied with SMS into the Future
It was very informative

“This course has shown me that we need to implement FRMS to our organization to make our aviation safely...”

This topic is one of the most required elements and the operator or any company shall introduce their FRMS for the long run of their business safety and smooth”



Conclusion

This year's safety campaign with its in-class modality revealed great appreciation by the relative stakeholders for such events and safety promotion activities, this was not just through the feedback collected but rather the actions taken to mitigate existing risk in Nepal aviation operation, and the approach taken by the regulator and operators to improve aviation safety practices and adhere to the international standards with the goal of safer aviation operation.