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The chapter of students of the SME of the UFPS, is pleased to present the first annual report of the different activities carried out with commitment, passion and effort. SME UFPS is an academic group made up of young leaders from different semesters of the academic program of Mining Engineering, who, guided by the sense of belonging and love for the academy, work together with the Mining Engineering program of the Universidad Francisco de Paula Santander to achieve the desired goals in favor of the continuous improvement of integral professionals who improve the business environment in the department.

As founders and members of the board of directors of the student chapter, we learned to know the environment, opportunities and teamwork, knowing our skills, leadership and love for our guild. In addition, the business sector, students, teachers, and institutional managers joined, since they have the conviction about the good development and future of the student chapter. We hope to improve day by day with our members in the group and increase our partners.

MISSION

The mission shall be to promote among its members continued professional growth in the areas of mining, metallurgy and exploration, and to encourage professional responsibility that includes ethical, social, and economic and safety considerations.

OBJECTIVES

- The main purpose of the SME UFPS is to integrate the professionals related to earth sciences in the public, industrial and academic fields through a constant participation in mining scenarios, in order to offer opportunities. Through information dissemination and public relations.
- Offer diverse spaces for the students of the program where, through the academy, they can develop and execute ideas that improve the perspective of mining at a local and national level.
- Link the academic sector with the business sector of the region.
- To offer students the opportunity to acquire leadership and communication skills and abilities, through the different responsibilities and positions that the members assume in the daily development of the Chapter.
1. OFFICER REPORTS

VICEPRESIDENT’S REPORT

I am Maria Daniela Pabón Martínez, student of eighth semester of mining engineering, it is an honor for me to be part of the SME, since this society brings together the best professionals in the world.

Being part of the SME, is an excellent opportunity to grow as a professional, learn leadership, teamwork and be able to interact with experts in different modalities around the world.

Currently we are part of the student chapter SME-UFPS 31 students, we are convinced that we can change the perspective of mining in our country, and that we can achieve a great impact worldwide, we hope that over time will be more UFPS students those who are part of this chapter.

In the student chapter SME-UFPS we have great expectations of participation in the annual SME events, in order to learn and promote in all parts of the world, a high quality mining, which together with the excellent professionals that we are part of this society we can get.

Without further ado, we thank the SME directives, for opening these spaces so that students are leaders, grow professionally and acquire international knowledge in all possible areas.

MARIA DANIELA PABÓN MARTÍNEZ
VICEPRESIDENT SME-UFPS

MINING ENGINEERING STUDENT, FRANCISCO DE PAULA SANTANDER UNIVERSITY, CO.

DIRECT:
(+57) 3015130465

E-MAIL:
maridanipm@gmail.com

MARIA DANIELA PABÓN MARTÍNEZ
VICEPRESIDENTE SME-UFPS
1.2. TREASURER’S REPORT

My name is Jasbleidy Tamayo, student of Mining Engineering and soon Technique in Occupational Safety. In this time of work, I have had wonderful experiences as treasurer and member of the SME-UFPS student chapter, because I have acquired skills and abilities along the way and it is gratifying to have participated in the different activities to grow the economy of the chapter, taking into account that we are recent and we did not have initial capital.

In the period 2018-2019 we have been growing greatly as a chapter in terms of members and funds, this has been happening since our efforts for the creation of the SME-UFPS since August 2018, making the relevant processes for the payment of memberships and the elaboration of the statutes. As a main function, to collect and manage money efficiently, the following table specifies the funds and total expenses (COP) that we had in accordance with our activities as chapter SME-UFPS, since we are in charge of paying all the needs of our events.

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JOLAINE JASBLEIDY TAMAYO MOGOLLÓN
TREASURER SME-UFPS

Mining Engineering Student,
Francisco de Paula Santander University, CO.

Direct:
(+57) 3123948005

E-mail:
tamayo630@hotmail.com

Jasbleidy Tamayo.

JOLAINE JASBLEIDY TAMAYO MOGOLLÓN
TREASURER SME-UFPS
1.3. SECRETARY ’S REPORT

My name is Sandrith Adnnelly Torrado, I am a technologist in oil and gas surface management, I am currently a student of Mining Engineering and I am Secretary of the student chapter of SME-UFPS.

The mining industry has opened many opportunities since I started my academic process. It has impelled me to make personal and professional changes that have generated good results, one of them is to be part of the Society for Mining, Metallurgy and Exploration (SME). Therefore, I would like to thank you for this global platform that provides a means to showcase this beautiful industry and help you to work day after day for it hand in hand with the communities, the environment and the economy of the countries.

Currently the student chapter makes important multiple inside and outside the Francisco de Paula Santander University, being spokespersons of the good mining work of the country and against the illegal exploitation of it, having as a priority the social and academic such as: conferences, training, and workshops, knowing that mining in Colombia is one of the main economic drivers of the country and one of the sectors most attacked by environmental concerns and the conditions of insecurity and illegality in different regions of the country.

In addition, in order to strengthen the relations between the companions of the chapter, integration activities are carried out, strengthening the bonds of friendship and inviting the entire academic community to be part of this group committed to well done mining.

SANDRITH ADNNELLY TORRADO SANCHEZ
SECRETARY SME-UFPS

Mining Engineering Student, Francisco de Paula Santander University, CO.

Direct:
(+57)3173815999

Email:
adnnelly07@gmail.com
# IDENTIFICATION OF STUDENT CHAPTER OFFICERS AND MEMBERS

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<tr>
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<th>NAMES</th>
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<td>Torrado Sánchez Sandrith Adnnelly</td>
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<td>31</td>
<td>Torres Martínez Yhony Alexis</td>
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<td>Zambrano Mogollón Ronaldo</td>
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</table>
3. STUDENT CHAPTER

Activity 1

Off campus activity

WORLD CLEANUP DAY

*Date:* 15 September 2018

*Place:* Canal de Bogotá, Cúcuta- Colombia

*Description:*

On September 15, 2018, while due process was being managed to be a chapter of SME-UFPS students in the organization, we participated in a very important event, World Cleanup Day.

The activity was carried out with the aim of adding about five thousand people to the city, who would be responsible for the collection of the waste, which then separated. With this, it creates awareness and marks a first step to recycle and protect the environment, fight for a world and a clean and trash-free Colombia.
Activity 2

Off campus activity

WORKSHOP MYTHS AND REALITIES OF MINING IN COLOMBIA

**Place:** Atlantis Plaza Hotel-Cúcuta, Colombia

**Description:**

On October 23, 2018, we are participated in the "Plan Voceros", workshop on myths and realities of Mining in Colombia, conducted by the National Mining Agency in conjunction with the Pedagogical and Technological University of Colombia.

The main objective of the workshop is the conscious need of the citizen to know the activities related to the mining industry. It was designed to guide the communities on administrative and technical aspects of that activity.

Also, it seeks to provide verified and verifiable information on the sector and mineral resources, which is useful for the regions that have a greater impact of this activity.
Activity 3

On campus activity

FIRST OFFICIAL LAUNCH CAMPAIGN MARKETING OF THE STUDENT CHAPTER SME UFPS

Date: December 01, 2018

Description:

The first launching of the SME UFPS student chapter was officially carried out in the different facilities of the Francisco de Paula Santander University. This chapter counted with the participation of the 10 founding members, the 2 miners' engineers and chapter tutors, and others students of the academic program of mining engineering who indirectly were already carrying out the process of linking to belong to the chapter. In this first official launch and making use of marketing as a dissemination strategy through T-shirts duly marked with SME logos, photographs of the members of the chapter were registered in a group and individual way in different striking places of the university capturing the attention of the teaching and administrative student bodies that passed through the different zones. At the end of the day the result obtained was positive since it was possible to attract the attention of mining engineering students who would become future members.
Activity 4

On campus activity

MINING DAY

OPENING EVENT STUDENT CHAPTER SME-UFPS

**Date:** December 04, 2018

**Description:**

The opening event of the SME-UFPS student chapter "Mining Day" was an event whose purpose, in addition to an academic and business meeting, was to present the students of mining engineering at the Francisco de Paula Santander University and the geology of the Pamplona University what is the mining, metallurgy and exploration society (SME), its benefits and its impact on the professional development of each student.
SME PRESENTATION

The presentation of the SME, its benefits and other characteristics was in charge of the vice-president Maria Daniela Pabón Martínez and the Internal Director Jhon Bayro Marriaga Gomez, who were in charge of making known what are the scopes that students and professionals can to be part of the SME and the importance of this society in professional growth.

SECURITY IN MINING WORK

The engineer Egdy Flores and the engineer Carlos Martínez, assigned to the National Mining Agency made a presentation on the accidents that occurred over the years, the main causes and the importance of safety, said information which was emphasized in regional mining, to raise awareness only to students about the importance of safety, but also to the mining companies that were present.
TECHNOLOGY FOR LIFE

The Dräger company is a world leader in medical and safety technology. Dräger continues to develop its technologies to protect, support and save lives. Dräger's integrated risk management is trusted by many sectors, especially for the personal protection and safety of the plant. This includes respiratory protection equipment, stationary gas detection systems and portable gas detection systems. Its presentation begins with an awareness of the importance of personal protection elements, generating a reflection on how mining is developed in the region and ends with a comprehensive presentation of the equipment and services provided by Dräger.

SCANNER LASER 3D – GEOSYSTEM

Geosystem Engineering is an organization specialized in the distribution of instruments for the different areas of Geomatics; Topography, Geodesy, Cartography, Photogrammetry, Hydrography, construction among others.

His presentation consisted in showing the scope of his most innovative product for mining the 3D laser scanner, which has multiple features that make it favorable for use in underground work, in emphasis with the event, it was demonstrated in a scan performed in during the presentation the efficiency and accuracy with which the scanner works, for which it can be very useful to have the topography in 3D in case of a mining accident.
CONVERSATORY

In order to broaden the knowledge on where a mining engineer can work, the discussion on territorial ordering, in which different local business entities participated, as delegates from state entities, demonstrated the need for mine engineers to do part of the territorial planning work teams.

CLOSING CEREMONY

With the participation of the choir of the Franciscan University of Paula Santander, the successful mining day is completed, which met the expectations and left in each student the concern and motivation to be part of the student chapter SME-UFPS.
Activity 5
On campus activity

FIRST CALIBRATION DAY

Date: 01-02 March, 2019

Description:

The Dräger company, together with the student chapter SME-UFPS, and the mining engineering study plan of the Francisco de Paula Santander University, gave rise to the first day of calibration of multidetector gas equipment, in order to instruct the future mining engineers of the country, in how is the correct handling and calibration of the same, as well as trained in how to use the relevant software for each team brand Dräger, this calibration day was not only for students, but for mining entrepreneurs so it was divided into two days. The Friday for students and Saturday for mining entrepreneurs.

With this type of events the SME-UFPS student chapter promotes training in equipment management for future engineers and makes a closer link between the academy and the business sector, inviting this sector to be part of the various spaces that are Present at the university, to make the potential of future UFPS mine engineers more visible.
PARTICIPATION STUDENT ASSEMBLY PIMI (MINE ENGINEERING ACADEMIC PROGRAM)

Date: March 15, 2019

Description:
In compliance with one of the main objectives for which the student chapter SME Francisco de Paula Santander University was founded, which is to be a strategic ally of the program and the university to jointly achieve the objectives, died accompaniment was carried out in the first assembly 2019 student program organized by the PIMI (Academic Program of Mining Engineering); where with a massive participation of approximately 250 students, aspects of great importance for the race were socialized, an executive summary of the goals reached to date was made, highlighting the founding of an SME student chapter and all the projected executions of the academic program and some in coalition with the chapter. The SME UFPS participated in this event directly, being the main logistics of the event and, in addition, being a source of dissemination using digital media to achieve a massive participation of students to the event. As a chapter we are believers that only by working in teams can we achieve the projected goals.
Video link about the event: https://youtu.be/LniVUS98yNE
Activity 7

Off campus activity

MINING PARTY

Date: April 05, 2019

Description:

This activity was carried out in order to collect funds for the chapter and with them to cover the needs of future scheduled activities, as well as the payment of the membership of new members of the SME chapter.
On campus activity

TRAINING AS A PROMOTER IN MINING PREVENTION AND SALVATION

Date: March 21-22, 2019

Description:

The student chapter SME.UFPS, in search of all the members of the chapter to have security training, hand in hand with mining rescue, the course of promoters was held, in order to give the bases in security, course in which they learn First aid techniques, acquire the knowledge of the different rescue teams, to later continue to advance and become mine rescue workers.

What is the national mine rescue system?

The National Mining Rescue System is a relief corps coordinated by the National Mining Agency. Current regulations in mining rescue is contained in Title XII: Status of prevention, training and emergency care mining and mining rescue Decree 1886 of 2015. The purpose of this body is to advance relief rescue operations and aid delivery in the mines in case of threats to life or health of the staff and security in the development, preparation and exploitation mine, as a result of underground fires, explosions gas and coal dust, gas fumes, gases and expulsion of rocks, water breakthrough from mining excavations, collapses and other mining excavations risks. Coordination has always been in charge of the Mining Authority, in accordance with the provisions of Decree 1441 of 2012 as a specialized entity ANM, it has among its functions “To promote and coordinate mine safety and mining rescue activities without prejudice to the responsibility of individuals in relation to the same".
In addition, the mining engineer of the National Mining Agency, cordially invited the student chapter to participate in the IX INTERNATIONAL MINES RESCUE BODY CONFERENCE, COLOMBIA 2019, will be held with the purpose of generating a network of knowledge in prevention of accidents and mining salvage. Which is verified from 07 to 14 September of this year.

Link: https://minerescue.org/
SECOND NATIONAL MEETING OF MINING ENGINEERING STUDENTS

Date: May 02-03, 2019

Description:

The members of the SME-UFPS Student Chapter along with the Curriculum and the Engineering Students of Mines of the Francisco de Paula Santander University, organized the Second National Meeting of Mining Engineering Students.

In this meeting we wanted to bring together the 4 universities that have a mining engineering degree in Colombia, the Francisco de Paula University, the National University of Colombia-Medellín, the Pedagogical and Technological University of Colombia and the University Foundation of the Andean Area, to create the complete network of Student Chapters in the country.

We had an international guest Claudia Leticia Beltrán Ampuero who is Coach WAAIME from Peru, who gave us a workshop on empowerment and employability in mining. Also a national guest, Juan Pallares Delgado, a mining engineer resident in a tunnels project in Colombia, who gave us a different perspective in which mining engineers can work.
SEGUNDO ENCUENTRO NACIONAL DE ESTUDIANTES DE INGENIERÍA DE MINAS

PROGRAMACIÓN

Fecha: Miércoles 02 de mayo 2019
Lugar: Auditorio Postgrados

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<td>08:30 - 09:00 am</td>
<td>Acto de bienvenida.</td>
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<tr>
<td>09:00 - 09:30 am</td>
<td>Presentación Society for Mining, Metallurgy and Exploration.</td>
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<tr>
<td>09:30 - 10:20 am</td>
<td>Presentación de los Programas Académicos de Ingeniería de Minas de la Universidad Francisco de Paula Santander, la Universidad Nacional de Colombia Sede Medellín, la Universidad Pedagógica y Tecnológica de Colombia Seccional Suagamomo y Fundación Universitaria del Área Andina.</td>
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11:00 - 12:00 pm | Colombia Constructiendo Túneles. Ing. Juan José Pallares Delgado, | Ingeniero Residente de Túneles - CORPENOS Y SALANDRO |

12:00 - 02:00 pm | Bebidas Almuerzo. |

02:00 - 03:00 pm | Instalación de la jornada. |

02:30 - 05:30 pm | Taller de Coaching: Empoderamiento y Empleabilidad en Minera - Sesión 1. Claudia Leticia Beltrán Amoroso, | Coach WBAIME |

05:00 - 06:00 pm | Propuesta de Protocolo para Elaborar Informes Técnicos de Accidentes Mineros por Daño de Bocas o Deformación. Ing. Angélica Cáceres, Ing. M.Sc Raimundo Pérez Gómez, | Miembro del Grupo de Investigación en Geología, Gestión y Mineria, EFPAS - Línea de Investigación: Riesgos y Seguridad Minera. |

11:00 - 12:00 pm | Desafíos de la Seguridad Minera en Colombia. Presentación del Estudio de Gestión Aprendida de un Incendio de Terciario en Minera. Ing. Gloria Catalina Serriuge, | Gerente, GSSM-ANM |

12:00 - 02:00 pm | Bebidas Almuerzo. |

08:00 - 09:30 am | Instalación de la jornada. |

09:30 - 11:00 am | Taller de Coaching: Empoderamiento y Empleabilidad en Minera - Sesión 2. Claudia Leticia Beltrán Amoroso, | Coach WBAIME |

02:00 - 03:00 pm | Tecnología para la Vida. Ing. Claudia Arango, Compañía Engarg. |

03:10 - 04:00 pm | Instalaciones Eléctricas en las Minas Subterráneas según el RETE y el Decreto 1086 del 2015. Ing. Álvaro Ruiz. |

04:00 - 04:30 pm | Práctica Profesional en Italia. Ing. Jesús Muñoz. |

04:30 - 05:00 pm | Asesores de la Investigación: Análisis y Comparación de la Evaluación Generalizada en Minas Subterráneas de Carbón y de Petróleo. Diego Díaz, Dehydr Roldán, | Estudiantes Ingenieros de Minas EFPAS |

05:00 - 06:00 pm | Acto de clausura. | Presentación cultural |

Fecha: Sábado 04 de mayo 2019
Lugar: Campus EFPAS

09:00 - 09:30 am | Presentación Society for Mining, Metallurgy and Exploration. |

09:30 - 10:20 am | Presentación de los Programas Académicos de Ingeniería de Minas de la Universidad Francisco de Paula Santander, la Universidad Nacional de Colombia Sede Medellín, la Universidad Pedagógica y Tecnológica de Colombia Seccional Suagamomo y Fundación Universitaria del Área Andina. |

02:00 - 02:30 am | Instalación de la jornada. |

02:29 - 03:10 pm | Tecnología para la Vida. Ing. Claudia Arango, Compañía Engarg. |

03:10 - 04:00 pm | Instalaciones Eléctricas en las Minas Subterráneas según el RETE y el Decreto 1086 del 2015. Ing. Álvaro Ruiz. |

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03:10 - 04:00 pm | Instalaciones Eléctricas en las Minas Subterráneas según el RETE y el Decreto 1086 del 2015. Ing. Álvaro Ruiz. |

04:00 - 04:30 pm | Práctica Profesional en Italia. Ing. Jesús Muñoz. |

04:30 - 05:00 pm | Asesores de la Investigación: Análisis y Comparación de la Evaluación Generalizada en Minas Subterráneas de Carbón y de Petróleo. Diego Díaz, Dehydr Roldán, | Estudiantes Ingenieros de Minas EFPAS |

05:00 - 06:00 pm | Acto de clausura. | Presentación cultural |

Fecha: Sábado 04 de mayo 2019
Lugar: Campus EFPAS
In short, our event "Second meeting of engineering students of Mines", was successfully concluded, attended by more than 200 people approximately to the UFPS campus; in the company of the three universities that have the Mining Engineering program in the country and their respective student chapters.
Activity 10
Off campus activity

DINNER SME COLOMBIA
SME-COLOMBIA

Date: May 02, 2019

Place: International casino hotel

Description:

Due to the second national meeting of mining engineering students, a dinner was held between the Francisco de Paula Santander University with the National University-Medellin, and the Pedagogic and Technological University of Colombia, in which we discussed about activities the student chapters. This space was given to get to know each other better among the universities that are part of the SME in Colombia.
Activity 11
Off campus activity

CULTURAL MOMENT
SME-COLOMBIA

Date: May 04, 2019

Description:

The student chapter SME UFPS, brought together members of the SME student chapters of Colombia: SME UPTC, SME MEDELLÍN and SME UFPS, at the Francisco de Paula Museum Santander-Villa Del Rosario, to appreciate the whole history of the city they visit, Cucuta-Colombia, for participation II Encounter of students of Mining Engineering, event previously held by the UFPS student chapter.

With this, the members of the chapters knew part of the cultural history of the most important person in the region: Francisco de Paula Santander, a Colombian soldier and politician, famous for his participation in the independence process of the Spanish Empire. In addition, Santander built the first public education system in Colombia by promoting the creation of schools and universities.
Activity 12
On campus activity
CALLING DAY NEW MEMBERS

Date: May 08, 2019

Description:

The second national meeting of mining engineering students, was the perfect strategy to make a brand recognition and promote the name of the student chapter UFPS PYME at local and national level; during three days of follow-up, the name of the SME UFPS was present and with great influence at the Francisco of Paula Santander University. What had as a consequence, that once the successful event, a large number of mining engineering students of the present university, were interested in knowing more and belonging to the chapter. In this way, the convening session was held for interested students of mining engineering; This event was attended by approximately 50 students, who were trained in exclusive issues of the SME; knowing the structure of this organization worldwide and nationally, knowing the purpose and sense of being of the student chapters, knowing the work that has been running in the university and the members of those who made up the chapter at that time.

The day ended successfully, where more than 50% of those attending the event are still attending the weekly meetings and making the process to be official members of the SME.