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1. Officer’s Reports

1.1. President’s Report

This year was a great experience, where we had a lot of ups and downs, but every day trying to improve all of them. The greatest action that the student chapter had, was the recognizing of the SME Colombia Local Section, this one is very important for us, in first place because in our country we have few universities that teach our career, and this section will help us to get a more fluid relationship with other students from mining engineering.

Our main goals were in this year:

- Increase our impact in the mining and metallurgical engineering students
- Make some relationships with mining industries and entities
- Develop social activities, in order to express our view about our extractive activities

In general, these goals were chosen for the need to expand our perspective about the mining industry, to increase our strength as stakeholders in the mining activity and also to have more relationship with the different student chapters. There goals were partly completed, but personally we could do more social activities with the communities.

The goals for the next year will be:

- To have more action in different activities, trying to develop all planned activities
- Incentive the investigation of our members in order to expand the knowledge and their possibility worldwide
- Promote personal growth and develop awareness of our career

Finally, I’m going to highlight our assistance in the SME Annual Conference and all the activities done prior the event, that include the visit to Virginia Tech campus, 3 field trips in Colombia and the visit to the Colorado School of Mines campus, having a meeting with the Mines SME Student Chapter. This year’s Annual Meeting was a great experience, considering the assistance of many students and professionals from our alma mater, the award receipt from some members of the Coal division scholarship, the Mineral processing scholarship and the Environmental scholarship, the participation of 2 members in the MPD contest, winning the 1st and the 3rd place in this activity, the participation of 4 of us in the Move mining competition and also the participation of many of us in technical sessions in the International section.
1.2. Treasurer's Report

In the new period of this administration of the Student Chapter SME Medellin, receives a good capital in treasury, all this due to the management and great growth in the activities proposed and carried out by the previous administration, without a doubt the chapter had a very high growth representative and therefore it is evident from all aspects. In financial matters, the treasury receives cash at $2'099000(COP) and in the time elapsed in this administration the financial movements have remained very stable due to special situations of the real development of academic time. In matters of movements, the SME supports the Teaching Kids project to finance its execution in the municipality of San Roque.

The treasury of the SME is one of the important and indispensable aspects within the chapter, helps, supports and improves the growth of the same as it offers solutions and advantages for all members, the treasury is awaiting the development of the second Mining and Metallurgical technical week, conferences, events, meetings, field trips and other activities that enrich the experiences and the development of the chapter.

<table>
<thead>
<tr>
<th>DATE</th>
<th>DESCRIPTION</th>
<th>TRANSACTION (COP)</th>
<th>BALANCE (COP)</th>
</tr>
</thead>
<tbody>
<tr>
<td>09/16/2018</td>
<td>Transfer of treasury from Julian to Henry, card delivery and control of treasure accounts</td>
<td>2.099.000</td>
<td>2.099.000</td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>11/03/2018</td>
<td>loan from SME to TK (Teaching Kids), to finance TK gramalote</td>
<td>2.000.000</td>
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<tr>
<td></td>
<td></td>
<td>99.000</td>
</tr>
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<td>11/05/2018</td>
<td>payment to Disco for breach of tickets</td>
<td>30.000</td>
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<td></td>
<td></td>
<td>69.000</td>
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<td>03/07/2019</td>
<td>payment from TK to SME loan</td>
<td>2.000.000</td>
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<td></td>
<td></td>
<td>2.069.000</td>
</tr>
<tr>
<td>03/09/2019</td>
<td>celebration of women’s day SME</td>
<td>106.930</td>
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<td>1.962.070</td>
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<td>05/19/2019</td>
<td>management fee and financial charges of the account ~ 9150 $ (COP)</td>
<td>80.000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.882.070</td>
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</tbody>
</table>

Table 1. SME Student Chapter Treasury

Henry Alonso Baena Gómez  
Mining and Metallurgical Engineering Student  
Universidad Nacional de Colombia, Sede Medellín  
E-mail: hbaena@unal.edu.co

1.3. Secretary’s Report

The structure of all the meetings of the student chapter was very similar: Initially the new members are welcomed who must introduce themselves, then we talk about the projects and activities that are being carried out or that are intended to be carried out in the Future to form the groups of people who want to work on each activity or project, designating a leader and setting goals and dates for each goal. We ended the meeting by talking with the attendees about their process at the university in order to support us in an academic or professional way as good companions.

The meetings were initially made each month and then every two months, it is important to mention that a frequency could not be established for the meetings because the National University of Colombia was unemployed from the beginning of October until Mid-January, and outside of this period there were frequent student assemblies and academic abnormality, so during this period it was difficult to develop activities.

The following describes the meetings made during this period:
Date: 08/25/2018  
Hour: 12:00 m.  
Place: “Finca Las Mercedes”, School of Mines  
Number of attendees: 39

Date: 09/17/2018  
Hour: 11:00 am  
Place: Classroom M3-212, School of Mines  
Number of attendees: 17

Date: 01/26/2019  
Hour: 12:00 m.  
Place: “Finca Las Mercedes”, School of Mines  
Number of attendees: 18
Date: 01/26/2019  
Hour: 12:00 m.  
Place: “Finca Las Mercedes”, School of Mines  
Number of attendees:

Additionally, we present the activities and projects that we have done during this period Chronologically ordered (which will be described and specified in section 2. Chapter activities):

<table>
<thead>
<tr>
<th>Activity</th>
<th>Date</th>
<th>Place</th>
</tr>
</thead>
<tbody>
<tr>
<td>Participation in “San Alejo” of the National University of Colombia</td>
<td>08/31/2018</td>
<td>National University of Colombia</td>
</tr>
<tr>
<td>Event Description</td>
<td>Date</td>
<td>Location/Details</td>
</tr>
<tr>
<td>---------------------------------------------------------------------------------</td>
<td>-----------------------------</td>
<td>----------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Participation in homage to murdered engineers</td>
<td>09/24/2018</td>
<td>“Parque de las luces”, Medellín, Antioquia</td>
</tr>
<tr>
<td>Conference: “International Speech”</td>
<td>09/24/2018</td>
<td>School of Mines, National University of Colombia</td>
</tr>
<tr>
<td>Visit to Virginia Tech</td>
<td>02/17/2019 - 02/21/2019</td>
<td>Virginia Tech, Blacksburg</td>
</tr>
<tr>
<td>Conference “Introduction to Geometallurgy: An integrated approach to the</td>
<td>02/21/2019</td>
<td>School of Mines, National University of Colombia</td>
</tr>
<tr>
<td>characterization of the intrinsic variability of mineral deposits”</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Visit to Colorado School of Mines and meeting with the Mines Student Chapter</td>
<td>02/22/2019</td>
<td>Golden, VA</td>
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<tr>
<td>SME annual conference</td>
<td>02/24/2019 - 02/27/2019</td>
<td>Denver, Colorado</td>
</tr>
<tr>
<td>Women’s Day celebration</td>
<td>03/09/2019</td>
<td>School of Mines, National University of Colombia</td>
</tr>
<tr>
<td>“Niños del Sol” Foundation visit</td>
<td>04/08/2019</td>
<td>“Niños del Sol” Foundation, Envigado, Antioquia</td>
</tr>
<tr>
<td>Student Chapters Fair of the National University of Colombia</td>
<td>05/03/2019</td>
<td>National University of Colombia</td>
</tr>
<tr>
<td>Second national meeting of mining engineering students</td>
<td>05/02/2019 - 05/04/2019</td>
<td>Cúcuta, Norte de Santander</td>
</tr>
<tr>
<td>Conference: “Túnel de la quiebra, 90 years history”</td>
<td>05/07/2019</td>
<td>School of Mines, National University of Colombia</td>
</tr>
<tr>
<td>Classroom’s visits for the inclusion of new members SME</td>
<td>05/06/2019 - 10/05/2019</td>
<td>National University of Colombia</td>
</tr>
<tr>
<td>Integration Party National University of Colombia</td>
<td>05/10/2019</td>
<td>“Amarna única” nightclub, Medellín, Antioquia.</td>
</tr>
</tbody>
</table>

Table 2. SME Student Chapter Activities
All the activities and projects mentioned above were successful thanks to those who make up this great student chapter, which are the board of directors and the members presented below:

### SME Student Chapter Officers

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>President</td>
<td>Manuel Zacarías Salgado Cabeza</td>
</tr>
<tr>
<td>Vicepresident</td>
<td>Laura Amaya Roa</td>
</tr>
<tr>
<td>Treasurer</td>
<td>Henry Alonso Baena Gómez</td>
</tr>
</tbody>
</table>
### SME Student Chapter Members

<table>
<thead>
<tr>
<th>Name</th>
<th>E-Mail</th>
<th>Academic Year</th>
<th>Major</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salgado Cabeza, Manuel Zacarías</td>
<td><a href="mailto:mzsalgadoc@unal.edu.co">mzsalgadoc@unal.edu.co</a></td>
<td>Senior</td>
<td>Mining and Metallurgy Engineering</td>
</tr>
<tr>
<td>Restrepo Gonzalez, Natalia</td>
<td><a href="mailto:nrestrepog@unal.edu.co">nrestrepog@unal.edu.co</a></td>
<td>Junior</td>
<td>Mining and Metallurgy Engineering</td>
</tr>
<tr>
<td>Baena Gómez, Henry Alonso</td>
<td><a href="mailto:hbaena@unal.edu.co">hbaena@unal.edu.co</a></td>
<td>Sophomore</td>
<td>Mining and Metallurgy Engineering</td>
</tr>
<tr>
<td>Amaya Roa, Laura</td>
<td><a href="mailto:lamayar@unal.edu.co">lamayar@unal.edu.co</a></td>
<td>Junior</td>
<td>Mining and Metallurgy Engineering</td>
</tr>
<tr>
<td>Escalante Pedraza, Sharon Daiana</td>
<td><a href="mailto:sdescalantep@unal.edu.co">sdescalantep@unal.edu.co</a></td>
<td>Senior</td>
<td>Mining and Metallurgy Engineering</td>
</tr>
<tr>
<td>Parra Valencia, Mauricio</td>
<td><a href="mailto:maparrava@unal.edu.co">maparrava@unal.edu.co</a></td>
<td>Sophomore</td>
<td>Mining and Metallurgy Engineering</td>
</tr>
<tr>
<td>Velásquez Vásquez, José Raúl</td>
<td><a href="mailto:jrvelasquezv@unal.edu.co">jrvelasquezv@unal.edu.co</a></td>
<td>Senior</td>
<td>Mining and Metallurgy Engineering</td>
</tr>
<tr>
<td>Rodriguez Celis, Daniela</td>
<td><a href="mailto:jdanrodriguezcel@unal.edu.co">jdanrodriguezcel@unal.edu.co</a></td>
<td>Junior</td>
<td>Mining and Metallurgy Engineering</td>
</tr>
<tr>
<td>Patiño Parra, Miguel Patiño</td>
<td><a href="mailto:mapatinop@unal.edu.co">mapatinop@unal.edu.co</a></td>
<td>Sophomore</td>
<td>Mining and Metallurgy Engineering</td>
</tr>
<tr>
<td>Correa Duque, Fabio Andrés</td>
<td><a href="mailto:faacorreadu@unal.edu.co">faacorreadu@unal.edu.co</a></td>
<td>Junior</td>
<td>Mining and Metallurgy Engineering</td>
</tr>
<tr>
<td>Name</td>
<td>Email</td>
<td>Year</td>
<td>Major</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>------------------------------------</td>
<td>-------</td>
<td>------------------------------------</td>
</tr>
<tr>
<td>Toro Chavarria, Jhoner Sneider</td>
<td><a href="mailto:jstoroc@unal.edu.co">jstoroc@unal.edu.co</a></td>
<td>Sophomore</td>
<td>Mining and Metallurgy Engineering</td>
</tr>
<tr>
<td>Gallego López, Paubla Andrea</td>
<td><a href="mailto:pagallegol@unal.edu.co">pagallegol@unal.edu.co</a></td>
<td>Sophomore</td>
<td>Mining and Metallurgy Engineering</td>
</tr>
<tr>
<td>Oviedo Rubiano, Nicolás Enrique</td>
<td><a href="mailto:neoviedor@unal.edu.co">neoviedor@unal.edu.co</a></td>
<td>Junior</td>
<td>Mining and Metallurgy Engineering</td>
</tr>
<tr>
<td>Rivas Mosquera, Luis Alejandro</td>
<td><a href="mailto:luarivasm@unal.edu.co">luarivasm@unal.edu.co</a></td>
<td>Sophomore</td>
<td>Mining and Metallurgy Engineering</td>
</tr>
<tr>
<td>Sierra Candela, Geraldine Johanna</td>
<td><a href="mailto:gsierrac@unal.edu.co">gsierrac@unal.edu.co</a></td>
<td>Sophomore</td>
<td>Mining and Metallurgy Engineering</td>
</tr>
<tr>
<td>Quintero Jaramillo, David</td>
<td><a href="mailto:dquinteroj@unal.edu.co">dquinteroj@unal.edu.co</a></td>
<td>Sophomore</td>
<td>Mining and Metallurgy Engineering</td>
</tr>
<tr>
<td>Chacón López, Julián</td>
<td><a href="mailto:jchaonl@unal.edu.co">jchaonl@unal.edu.co</a></td>
<td>Sophomore</td>
<td>Mining and Metallurgy Engineering</td>
</tr>
<tr>
<td>Perez Duque, Santiago</td>
<td><a href="mailto:sanperezduq@unal.edu.co">sanperezduq@unal.edu.co</a></td>
<td>Sophomore</td>
<td>Mining and Metallurgy Engineering</td>
</tr>
<tr>
<td>Morales Gómez, Lesly Salsy</td>
<td><a href="mailto:lsmoralesg@unal.edu.co">lsmoralesg@unal.edu.co</a></td>
<td>Sophomore</td>
<td>Mining and Metallurgy Engineering</td>
</tr>
<tr>
<td>Castillo Gómez, Jesús Alberto</td>
<td><a href="mailto:jeacatillogo@unal.edu.co">jeacatillogo@unal.edu.co</a></td>
<td>Graduated</td>
<td>Mining and Metallurgy Engineering</td>
</tr>
<tr>
<td>Carmona Pérez, Juan Pablo</td>
<td><a href="mailto:jpcarmonap@unal.edu.co">jpcarmonap@unal.edu.co</a></td>
<td>Sophomore</td>
<td>Mining and Metallurgy Engineering</td>
</tr>
<tr>
<td>Gelves Rosado, Alexandra Isabel</td>
<td><a href="mailto:aigelvezr@unal.edu.co">aigelvezr@unal.edu.co</a></td>
<td>Sophomore</td>
<td>Mining and Metallurgy Engineering</td>
</tr>
<tr>
<td>Sanchez Posada, Maria Camila</td>
<td><a href="mailto:mcsanchezpo@unal.edu.co">mcsanchezpo@unal.edu.co</a></td>
<td>Sophomore</td>
<td>Mining and Metallurgy Engineering</td>
</tr>
<tr>
<td>León Duque, Alexandra</td>
<td><a href="mailto:aleond@unal.edu.co">aleond@unal.edu.co</a></td>
<td>Sophomore</td>
<td>Geological Engineering</td>
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<tr>
<td>Vega Vasquez, Maria Valentina</td>
<td><a href="mailto:mvvegav@unal.edu.co">mvvegav@unal.edu.co</a></td>
<td>Sophomore</td>
<td>Mining and Metallurgy Engineering</td>
</tr>
</tbody>
</table>

Table 5. SME Student Chapter Members
In addition, throughout this process we have the support of our faculty advisor Oscar Jaime Restrepo Baena, who presents a letter attached to this report.

Natalia Restrepo Gonzalez
Mining and Metallurgical Engineering Student
Universidad Nacional de Colombia, Sede Medellin
E-mail: nrestrepog@unal.edu.co

2. Chapter Activities

2.1. Chapter Activities-On Campus

Social Activities:

🗂 Women’s Day

Date: 03/09/2019
Hour: 2:00 pm
Place: “Finca Las Mercedes”, School of Mines
Description: On behalf of the student chapter, the executive committee decided to celebrate the gender equity and the fight of the women throughout human history to achieve equal human rights. This celebration was carried out in the M6 facility at School of Mines campus, where we developed some activities such as karaoke, puzzles and riddles, where sharing among the members was an imperative activity.

Also was given a small present to all the women members of the SME student chapter Medellin, although, some members could not assist the present was delivered.
Dept/School/University Activities:

Second Mining and Metallurgy Technical Week

The second Mining and Metallurgical Technical Week was one of our most important projects for the second half of 2018, most precisely between October 24th and October 26th. The central idea was to continue with all the processes we started at the First Mining and Metallurgical Technical Week. The main topic for this event was all the socio-economics items around mining activity in Colombia and Latin America. In order to accomplish that concept, we decided to invite a group of high quality professionals and very important governance people as the secretary of mining department in Antioquia, CEOs of big mining companies and senators of Colombia to come and present legal aspects about security in mining process, rare earth elements projects, international mining market, environmental risks, sustainable development model in mining and the women’s role inside the guild. At the same time, we prepared our second keynote about “Mining and society” with retired and nowadays mining personalities with the purpose of knowing the industry point of view about actual mining situation. Others of our planned activities were the second Academic Posters Fair, courses about legal normative and mining economy, 2 field trips and a big meeting party as closure for the event.

Sadly, because of the political and social situation we had in Colombia since September, we had to stop all activities inside the University until January of 2019. In fact, we were forced to move the Technical Week and after that, we had to cancel and postpone it to the second half of the present year. For now,
we are trying to set a new date for our second Mining and Metallurgical Technical week for August or September of 2019.

**Student Chapters Fair of the National University of Colombia**
**Date:** 05/03/2019  
**Hour:** 2:00 pm  
**Place:** “Bloque M3”, School of Mines  
**Description** Student chapters FAIR. The Universidad Nacional de Colombia organized a space where all the student chapters of the university gathered to have the opportunity to let people know about the chapter and its projects. In this event the student chapter informed people about future events and project in order to sign them up.

**Classroom’s visits for the inclusion of new members SME**
**Date:** 05/05-10/2019  
**Hour:** 2:00 pm  
**Place:** “”, School of Mines  
**Description**: From the student chapter we decided to go to mining engineering related subjects to let people know about the student chapter. We managed to visit several classes such as: Geological Structures, Introduction to Mining Engineering, Surveying, Thermodynamics, Geology. We also informed, and resolve some questions about the student chapter and future projects.
Participation in "San Alejo" of the National University of Colombia

**Date:** 08/31/2018  
**Place:** “Agora” building, National University of Colombia  
**Description:** In this event the student chapter was able to interact with students from different fields of study, having the opportunity to answer some questions from people of other majors, letting people know about the student chapter and the advantages of becoming a member of SME.

Involvement with other organizations Activities:

- Conference “Introduction to Geometallurgy: An integrated approach to the characterization of the intrinsic variability of mineral deposits”
**Organizations:** - SME Student Chapter Medellin, National University of Colombia  
- Society of Economic Geologists (SEG) Student Chapter, National University of Colombia

**Speaker:** Geologist Engineer Jonathan Rincon, M.Sc. Geosciences.

**Date:** 02/21/2019

**Hour:** 12:00 m.

**Place:** Classroom M3-112, School of Mines

**Description:** During this conference, students of Geological engineering and mining and metallurgy engineering complemented their technical knowledge by learning that geometallurgy quantifies the variability of the mineral deposit in terms of the process parameters such as hardness of the ore, kinetics of flotation and leaching kinetics, and which in addition the data are then applied to the model of depot blocks or to the plan of the mine, typically through the use of geostatistical.

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**Conference “Túnel de la quiebra, 90 years history”**

**Organizations:** - SME Student Chapter Medellin, National University of Colombia  
- Antioquia Engineering Association

**Speaker:** Professor Ignacio Arbelaez Restrepo

**Date:** 05/07/2019

**Hour:** 5:30 pm

**Place:** Alejandro López auditorium, School of Mines
National University of Colombia, School of Mines has always been recognized as one of the first universities in Colombia to have the best students and professors. From the beginning of the last century, the university’s alumni has develop important projects for the progress of the country.

This projects created the basis of communication and progress and set the bar for the standards we have now-a-days. The “Túnel de la Quiebra” is an infrastructure design by an alumni of the Universidad Nacional de Colombia, Alejandro Lopez, which by that time was a Mining and Civil Engineer who design and build a tunnel unique in characteristics and created the first connection between Medellin (the second biggest city in Colombia) and the Magdalena river (the biggest river in Colombia) to transport not just merchandise but also people and progress to the region.

This year the tunnel is celebrating its 90th anniversary and the SME student chapter and the National University of Colombia decided to celebrate this date by creating a conference where remembering was the main topic of the conference, with images and histories, the speaker talked about the importance of this tunnel, its origins and the importance of this infrastructure for the development of the country.
Special Projects:

Scholarship Application for the German Academic Exchange Service (DAAD)

Description: Among the academic international mobility activities is the DAAD platform, which offers scholarships, and contributes to the academic exchange globally, in this exercise there is a call for student groups to visit German universities, in order to promote and strengthen international relations and the development and research of engineering students, the above described, allows the cultural and academic exchange between students of German institutes and universities with students of the national university, the chapter SME agreed to this call and managed to visit him in 2016, in this new administration of the chapter, it was decided to participate in this call by formalizing a group of 15 people and led by Professor Oscar Jaime Restrepo Baena, following the requirements of the platform, among which were to perform language activities (English and German), periodic meetings, attendance at conferences given by the DAAD, investigation and description of the trip, contacts with universities (teachers, directors or students).
2.2. Chapter Activities-Off Campus

International Activities:

🎉 Annual Conference and Expo 2019 (ACE2019)

The SME student chapter Medellin attended the SME annual conference and Expo, participating in several activities within the SME ACE. The SME student chapter Unalmed for several years has been increasing its participation in the international events, attending to differents activities such as the Move Mining Competition, Technical sessions hosted by Colombian members and student poster contests. Placing the student chapter as one of the most numbered delegation from outside the USA.
**Move Mining Competition**

Since the beginning of the contest, two different groups started their participation as “The Mining Van” and “Made Of”. Both teams leaded the votes and were ranked as first and second, respectively.

Due to the contest criteria, The Mining Van took the place of People’s choice and presented their work on the final, at the Colorado Convention Center.

Thanks to the support of the student chapter, the SME and the University “The Mining Van” was able to perform and participate among the 5 finalists of
the competition. Which has been of good experience for new participants, keeping in mind that the Student Chapter has participated in the Move Mining event two year in a row.

**Technical Sessions**

For the first time at the Annual Conference there was a dedicated technical session full of Colombian speakers, reviewing their work on several universities of the United States, including Virginia Tech and Colorado School of Mines. The presence of student and professors from the several universities enriched the technical session with good comments and feedback of the research made by the students from the Universidad Nacional de Colombia.

**Poster contests**

For many years the student poster contest has help the students from the Universidad Nacional de Colombia to help potentiate their skills not only in the Mineral Processing Division but also in the Environmental and graduate poster contest.

This year the SME Student Chapter unalmed, was able to participate in the MPD student poster contest with two of our members, Francisco Patiño and Daniela Rodriguez winning the first and third place, respectively, of this important contest.
Social Activities:

خدام in homage to murdered engineers

Date: 09/24/2018
Hour: 6:00 pm
Place: “Parque de las luces”
Description: In days before this homage occurred a tragedy in our country: three geologists and a mining and metallurgy engineer graduated from our faculty were killed by groups outside the law that tried to attack the company where these professionals were working, for this reason was organized the “Velatón”, whose purpose was to pay homage and raise the voice in a peaceful protest for these murders; Our student chapter participated in this event.
“National University of Colombia Meeting” SME’s Party

Date: 05/10/2019  
Place: Party club “Amarna única”  
Attendees: University community  
Description: The last May 10, we were celebrated a social meeting in "Amarna única" disco bar, this meeting had a purpose to get money for the savings of the SME chapter, this savings will be for some members that they will attend to the CMG (congress of civil engineering, mining engineering, and geology). The methodology that we used in order to sell the entries for the meeting was to invite all the students of the faculty of mines to create a great social meeting.

Involvement with other organizations Activities:

.Restrict 2nd Meeting of Mining Engineering Students
**Organizations:**
- SME Student Chapter Medellín, National University of Colombia
- SME Student Chapter Francisco de Paula Santander University
- SME Student Chapter Pedagogical and Technological University of Colombia

**Date:** 05/02/2019 - 05/04/2019

**Place:** Francisco de Paula Santander University. Cúcuta, Norte de Santander.

**Description:** The Francisco de Paula Santander University is one of the 4 academy centers in Colombia which offer a mining professional program. From May 2 until May 4, the mining engineering students from the 4 universities with this academy program in the country shared and meet each other in the second national mining student’s reunion. The place was Cúcuta – Santander, the UFPS University is located in this city. One of the most important points of discussion was the present socio-political situation around mining in Colombia and the importance of stay unified and strong as a guild.

Inside their campus, they offered to us a number of conferences related to Mining, Metallurgy, Security and Administrative management, tunneling and international opportunities. Of course, we had time for fun too so we end the meeting with a party in company of our partners from UFPS and UPTC Universities.

As a complement, we must to comment that our partners have a SME Student Chapter, both borned on the first national mining students meeting celebrated in Sogamoso the last year. So, this meeting is a victory for SME Colombia and now we can say is another fulfilled goal.
Special Projects:

- **Attendance to the Congress of Civil Engineering, Mining Engineering, and Geology.**

  **Description:** Some members of the student chapter SME Medellin have made plans to attend the congress of civil engineering, mining engineering, and geology to be held in Cartagena de Indias, Colombia on the 10th, 11th and 12th of July 2019. This academic event brings into focus some engineering areas like geotechnical risk, fourth generation projects (4G roads), fracking, project management, hydroelectric design, and blast control. The congress is fundamentally conducting for bachelor students. The methodology will be presentations made by experts, commercial samples, social events, and investigative exhibitions. It is an important opportunity for establishing bond between students and professional colleagues. The National University of Colombia will help with transportation between Medellin - Cartagena, and Cartagena - Medellin. Also, the chapter has plans to collect money to help members attend events like social meetings, ecological walk, and sports competitions.

- **Teaching Kids Project**

  **General description:** Teaching Kids was born as an initiative of mining engineering students at the SME student chapter of Universidad Nacional de Colombia, with the main idea of changing the perception that people have about mining and the extraction of raw material for industrial growth. The initiative was initially conceived to present the mining industry as a fundamental industry in every process needed for society development, therefore, was created a project to teach young people geosciences, the basics
and the importance of mining for everything we use in our daily basis. The purpose of this project is not only taught children and young people about mining, but create a chain of communication between parents and sons that allow us to create a bigger impact in society. We are creating a movement to change the perception of mining in the society.

- **Teaching Kids visits the I.E El TAMBO school**
  
  **Date:** 09/20/2018  
  **Hour:** 8:00 am  
  **Place:** School “Institución Educativa Rural El Tambo”  
  **Description:** In this presentation of the Teaching Kids project, shared with elementary school children, where they recognized the minerals that are used in our environment, how they were created and how we can obtain them through mining.

- **Teaching Kids visits the I.E Técnico Industrial Jorge Eliécer Gaitan school**
  
  **Date:** 10/19/2018  
  **Hour:** 8:00 am  
  **Place:** School “Institución Educativa Técnico Industrial Jorge Eliécer Gaitán”  
  **Description:** During this visit, members of the Teaching Kids project shared with secondary school children basic knowledge related to mining, geology and its applications in daily life, to help improve the conception of the extractive industry.
Teaching Kids and Gramalote Colombia Limited

**Date:** 10/27/2018 to 11/06/2018  
**Place:** San Roque City  
**Description:** In collaboration with the project Gramalote Colombia Limited of the company Anglo Gold Ashanti we carried out a series of workshops with more than 300 children, young people and teachers from the schools located near the project, our main objective was to share with the community the uses and benefits of minerals in our life, the basic concepts of geology and how through good practices we can do responsible mining.

Meeting of Teaching Kids project member

**Date:** 02/18/2019  
**Hour:** 4:00 pm  
**Place:** School of Mines, National University of Colombia  
**Description:** During this meeting between members of the project, new contributions were proposed to improve the activities carried out.
in the visits to the schools, on this day we received with enthusiasm the integration of new participants to the Teaching Kids team.

- **Training of members of the Teaching Kids project with university welfare of the National University of Colombia**

  **Date:** 02/19/2019 to 03/22/2019  
  **Place:** National University of Colombia  
  **Description:** Teaching Kids members attended a series of workshops offered by the university, where we learned new strategies and skills to be more assertive in the formulation and execution of our project.

- **Meeting of Teaching Kids project member**

  **Date:** 03/18/2019  
  **Hour:** 12:00 pm  
  **Place:** School of Mines, National University of Colombia
Description: The members of Teaching Kids met to share new strategies and project leadership. In this meeting, new members were trained and new activities were planned.

- Teaching Kids visits the Niños del Sol foundation
  
  **Date:** 04/08/2019  
  **Hour:** 3:00 pm  
  **Place:** “Niños del Sol” foundation  
  **Description:** We carried out a visit activity to the Niños Del Sol Foundation in which we shared with all the children who live there and we made a donation collection. We made fun and cultural activities typical of the department of Antioquia.

- Conference for young volunteers
  
  **Date:** 05/20/2019  
  **Hour:** 9:00 am
Place: School of architecture, National University of Colombia
Description: During this conference, we share our experience in the execution of the project with university students who wish to belong to other projects of volunteer, with the aim of motivating them to share the knowledge acquired in their professional training.
Medellín, May 21st 2019

As a tutor of the Student Chapter of SME at Universidad Nacional de Colombia, Medellín

INFORM

That I have reviewed the Annual Report of the SME Student Chapter – Medellin / Universidad Nacional de Colombia of the Society for Mining, Metallurgy, and Exploration for the 2018 – 2019 and attest that the information presented is accurate.

I will be ready to give any information and support.

Best regards,

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