TABLE OF CONTENTS

1. OFFICE BEARERS REPORT
   1.1 REPORT PRESIDENT
   1.2 REPORT SECRETARY
   1.3 REPORT TREASURER
   1.4 REPORT FACULTY SPONSOR
2. CHRONOGRAM OF ACTIVITIES SME-UPTC 2018/2019
   2.1 ON-CAMPUS CURRICULAR ACTIVITIES
   2.2 OFF-CAMPUS ACTIVITIES
3. STUDENT CHALLENGE 2018
4. TEAMS SME-UPTC
5. MEC- STUDENT CHAPTER AWARD
   4.1 PROJECT “MINERIA CON-CIENCIA” – SENSITIZATION AND MINING EDUCATION.
Profile

Student of eighth semester of mining engineering of the pedagogical and technological university of Colombia, technologist in electronic maintenance and industrial instrumentation, social work volunteer in summer camp for children Hidden Meadows (West Virginia), student leader and a granite more sand for the construction of a better country.

Synopsis

It has been an honor and privilege to be part of the board of directors of the SME-UPTC providing my services as secretary, performing functions, such as: making the minutes of each of the weekly meetings that took place, maintaining an attendance record. Also, support each of the members and manage the activities that with effort and dedication we managed to develop, always leaving a sample of my great sense of belonging and putting the name of our chapter, our school and the university very high. Personally, I can attest that each member of our chapter feels totally proud of this great profession that we are going to play, despite the fact that due to different factors in Colombia it has been stigmatized, but in this period we were in charge of this wonderful chapter. we have managed to carry out an enterprise-academy interaction, where we have worked hand in hand with the industry, creating strong bonds, where it has been understood that everything is started from the academy. For me, it is gratifying to see what we have achieved and what we will surely achieve, because we have a consolidated group willing to change the perspective of mining, highlighting that the making of it is surrounded by love for what we do. Our chapter has always aimed to raise awareness in the community, changing the concept that is about mining, to achieve this and achieve recognition at all levels, we have made projects such as seminars, mining hours, social projects, reforestations, courses, contests. Additionally, we have participated in national and international events, where we have been guests of honor, given the recognition we have acquired.
Profile

Sebastián Rodríguez, is a seventh (7) semester student of mining engineering from the Pedagogical and Technological University of Colombia, he is part of the board of directors of the Student Chapter of the SME-UPTC, and is currently secretary of this prestigious company. In addition, he is a member of the Mining Rescue Corps of the National Mining Agency of Colombia, being a promoter in mining prevention and rescue; His academic performance is remarkable, obtaining in the third semester, honors for obtaining the highest average, he is a happy person and always ready to offer his help to those who need it.

Synopsis

It has been an honor and privilege to be part of the board of directors of the SME-UPTC providing my services as secretary, performing functions, such as: making the minutes of each of the weekly meetings that took place, maintaining an attendance record. Also, support each of the members and manage the activities that with effort and dedication we managed to develop, always leaving a sample of my great sense of belonging and putting the name of our chapter, our school and the university very high.

Personally, I can attest that each member of our chapter feels totally proud of this great profession that we are going to play, despite the fact that due to different factors in Colombia it has been stigmatized, but in this period we were in charge of this wonderful chapter. we have managed to carry out an enterprise-academy interaction, where we have worked hand in hand with the industry, creating strong bonds, where it has been understood that everything is started from the academy.

For me, it is gratifying to see what we have achieved and what we will surely achieve, because we have a consolidated group willing to change the perspective of mining, highlighting that the making of it is surrounded by love for what we do.

Our chapter has always aimed to raise awareness in the community, changing the concept that is about mining, to achieve this and achieve recognition at all levels, we have made projects such as seminars, mining hours, social projects, reforestations, courses, contests. Additionally, we have participated in national and international events, where we have been guests of honor, given the recognition we have acquired.

Board of Directors

<table>
<thead>
<tr>
<th>BOARD OF DIRECTORS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEBASTIAN EDUARDO VARGAS</td>
</tr>
<tr>
<td>PAULA ANDREA BLANCO</td>
</tr>
<tr>
<td>JOSE ANGEL IRIARTE</td>
</tr>
<tr>
<td>SEBASTIAN RODRIGUEZ ALVAREZ</td>
</tr>
</tbody>
</table>

Meetings

To develop every activity and project raised were made in the meetings in every week, where found attachments to the proceedings and continue the dates of every meeting.

<table>
<thead>
<tr>
<th>06/08/2018</th>
<th>13/08/2018</th>
<th>15/08/2018</th>
<th>21/08/2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>03/09/2018</td>
<td>12/01/2019</td>
<td>17/01/2019</td>
<td>22/01/2019</td>
</tr>
<tr>
<td>12/02/2019</td>
<td>19/02/2019</td>
<td>26/02/2019</td>
<td>05/03/2019</td>
</tr>
<tr>
<td>12/03/2019</td>
<td>19/03/2019</td>
<td>26/03/2019</td>
<td>23/04/2019</td>
</tr>
</tbody>
</table>
Jose Angel Iriarte Rico, seventh semester mining engineering student from the Pedagogical and Technological University of Colombia, currently treasurer of the student chapter SME-UPTC, with the objective of maintaining the funds and expenses of the student chapter in a transparent manner.

It has been an honor for me as a human being that the student chapter SME of the Pedagogical Technological University of Colombia has delegated me as its treasurer, my main objective is to carry transparently the funds and expenses acquired during my course, these funds which were acquired with dedication and work of all the members of the chapter generating activities of the chapter. It is important to rescue that as an official of the board of directors in the treasury of carries account of all expenses as the disbursement authorized by the same board which in general were for the activities that characterize us the student chapter SME- UPTC, generating social activities and promoting productive leadership, generating awareness for mining and how important it is to change the concept of bad mining in Colombia and internationally.

Our chapter has always had as objective to sensitize the community, changing the concept that has of mining, to achieve it and to obtain the recognition to all the levels, we have realized projects like seminars, mining days, social projects, reforestations, courses, contests

as treasurer has been managed and organized in conjunction with the board different activities which I am proud to be part of them generating future in the following members who will be part of this wonderful opportunities as members of the student chapter, we have also generated a consciousness and a great sense of belonging and I feel fortunate to be part of the change I hope and aspire that the chapter continues to grow both academically and support society.
<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>DATE</th>
<th>COMMITTEE AT CHARGE</th>
<th>EVENT STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Welcome to UPTC – First-semester students’ welcome event.</td>
<td>31 JULY/2018</td>
<td>EXECUTIVE</td>
<td>DONE</td>
</tr>
<tr>
<td>University Welcome Party</td>
<td>10 AUGUST-2018</td>
<td>EXECUTIVE</td>
<td>DONE</td>
</tr>
<tr>
<td>II Mining and Construction Fair.</td>
<td>16,17,18 AUGUST-2018</td>
<td>EXECUTIVE</td>
<td>DONE</td>
</tr>
<tr>
<td>Project “Minería Con-Ciencia” Sensitization And Mining Education</td>
<td>25 AUGUST 2018</td>
<td>SOCIAL PROJECTS</td>
<td>DONE</td>
</tr>
<tr>
<td>Call for SME Student Chapter UPTC new members</td>
<td>27 AUGUST-2018</td>
<td>EXECUTIVE</td>
<td>DONE</td>
</tr>
<tr>
<td>I MINING HOUR “The ABC of a mining project”</td>
<td>4 SEPTEMBER-2018</td>
<td>MINING TIME</td>
<td>DONE</td>
</tr>
<tr>
<td>II CONGRESO OMA – EXPOMINA 2018</td>
<td>10,11,12,13,14 SEPTEMBER-2018</td>
<td>EXECUTIVE</td>
<td>DONE</td>
</tr>
<tr>
<td>Meeting of SME Student Chapters Latin America.</td>
<td>12 SEPTEMBER-2018</td>
<td>EXECUTIVE</td>
<td>DONE</td>
</tr>
<tr>
<td>IX Forum ”Present and Future of Coal Colombian”</td>
<td>27,28 SEPTEMBER-2018</td>
<td>EXECUTIVE</td>
<td>DONE</td>
</tr>
<tr>
<td>I NATIONAL SEMINAR ON RESEARCH AND INNOVATION IN MINING</td>
<td>2,3,4,5 OCTOBER-2018</td>
<td>EVERYBODY</td>
<td>DONE</td>
</tr>
<tr>
<td>SHORT COURSE ON VENTILATION OPERATING SYSTEM PLANNING SYSTEMS</td>
<td>3 OCTOBER-2018</td>
<td>EVERYBODY</td>
<td>DONE</td>
</tr>
<tr>
<td>SHORT COURSE IN OPENCAST MINING</td>
<td>5 OCTOBER-2018</td>
<td>EVERYBODY</td>
<td>DONE</td>
</tr>
<tr>
<td>III MINING SOCORREDORS NATIONAL MEETING</td>
<td>18,19 OCTOBER 2018</td>
<td>EXECUTIVE</td>
<td>DONE</td>
</tr>
<tr>
<td>ACADEMICS VISIT UNIVERSITY OF FRANCISCO DE PAULA SANTANDER</td>
<td>21 OCTOBER-2018</td>
<td>EVERYBODY</td>
<td>DONE</td>
</tr>
<tr>
<td>IMRB INVITATION</td>
<td>21 OCTOBER-2018</td>
<td>EVERYBODY</td>
<td>DONE</td>
</tr>
<tr>
<td>LATIN AMERICAN MEETINGS AT THE ANNUAL CONVENTION AND EXPO</td>
<td>27 FEBRUARY-2019</td>
<td>EVERYBODY</td>
<td>DONE</td>
</tr>
<tr>
<td>No.</td>
<td>Event Description</td>
<td>Dates</td>
<td>Group</td>
</tr>
<tr>
<td>-----</td>
<td>--------------------------------------------------------</td>
<td>-------------------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>17</td>
<td>II HOUR MINERA ENVIRONMENTAL OBLIGATIONS OF A MINING TITLE</td>
<td>6 MARCH-2019</td>
<td>MINING TIME</td>
</tr>
<tr>
<td>18</td>
<td>PROMOTER COURSE IN MINING PREVENTION AND RESCUE</td>
<td>13 AND 14 MARCH-2019</td>
<td>EVERYBODY</td>
</tr>
<tr>
<td>19</td>
<td>MINING WOMEN´S ASSOCIATION</td>
<td>20 MARH-2019</td>
<td>EXECUTIVE</td>
</tr>
<tr>
<td>20</td>
<td>SOCIALIZATION MEETING HIGH QUALITY ACCREDITATION</td>
<td>25-MARCH-2019</td>
<td>EVERYBODY</td>
</tr>
<tr>
<td>21</td>
<td>VISIT UFPS</td>
<td>11 MARCH-2019</td>
<td>EVERYBODY</td>
</tr>
<tr>
<td>22</td>
<td>RISK OFFICE TRAINING</td>
<td>30 APRIL-2019</td>
<td>EVERYBODY</td>
</tr>
<tr>
<td>23</td>
<td>I MINER REFORESTATION</td>
<td>01-may-19</td>
<td>EVERYBODY</td>
</tr>
<tr>
<td>24</td>
<td>II NATIONAL ENGINEERING STUDIES ENGINEERING MINES (ENEIM) 2-5 MAY</td>
<td>2,3,4,5 MAY-2019</td>
<td>EVERYBODY</td>
</tr>
<tr>
<td>25</td>
<td>CALL FOR NEW MEMBERS MAY 27</td>
<td>27-may-19</td>
<td>EXECUTIVE</td>
</tr>
<tr>
<td>26</td>
<td>STUDENT CHALLENGE 2018</td>
<td>28 FEBRUARY-2019</td>
<td>EXECUTIVE</td>
</tr>
<tr>
<td>27</td>
<td>POSTERS COMPETITION</td>
<td>4 OCTOBE-2019</td>
<td>ALL COMMITTEES</td>
</tr>
<tr>
<td>28</td>
<td>BILLBOARD MINING ENGINEERING</td>
<td>CONSTANT UPDATING</td>
<td></td>
</tr>
</tbody>
</table>
ON-CAMPUS CURRICULAR ACTIVITY

BILLBOARD MINING ENGINEERING

For four years the SME-UPTC has its own information space, where students are informed about the SME, about our different activities, about our meetings and about mining in general, this billboard is renewed every month maintaining its organizational structure.

Welcome to UPTC – First-semester students’ welcome event.

On July 31, 2018, within the framework of the induction week for first semester students of the mining engineering school, a meeting was held where a cordial welcome and the Student Chapter presentation was made. The activity was carried out with the aim of presenting to the young people that start university life the benefits of being part of the student chapter and the outstanding activities that have been carried out. In addition, this space served as an introduction to what university life will be like, to empower them in the face of this new professional challenge they face and to address some words of impulse and resilience that encourage them to take on the best attitude.
Call for SME Student Chapter UPTC new members.

On August 27, 2018, a meeting was held with students interested in belonging to the student chapter, where the attendees were welcomed, they were told about the commitment and the benefits of being part of the work team and the Society for Mining, Metallurgy, and Exploration (SME). In total, (11) eleven students attended, which to this day, are part of the student chapter.
I MINING HOUR “The ABC of a mining project”

The mining hour seeks to make a change of activity in the academic days to bring together all students and teachers of a school of mining engineering around a presentation of specific topics in which everyone can interact and share knowledge in the mining area. The mining hour titled “The ABC of a mining project”, was directed by the general director of the Colombian industrial and mining group, Jorge Efrain Pérez, which had a massive attendance.

This conference not only allowed to know the steps to request a mining title and the obligations of the concessionaire, but also had the opportunity to demonstrate through the work that has been developed in a small-scale mine, call “Valle de Corrales” that it is possible to perform well-made mining, technician, always thinking about the well-being of its workers, the environment and the development of the region.
I NATIONAL CONFERENCE ON RESEARCH AND INNOVATION IN MINING

From 2 to 5 October took place the first academic event of national character, with the objective of comprehensive engineering schools in the country to address issues of vital importance to the mining sector, innovation and according to international standards, as the micro cement for the use of injections intervened by the center of innovation of Argos and very relevant subjects with the applications of the nanotechnology in the mining, subjects of interest as simulations, applications and mining practices, all this beforehand of a great range of academics he engineer of specialized mines and set to programs of investigation in the lines of our career.
I SEMINARIO NACIONAL DE INVESTIGACIÓN E INNOVACIÓN EN MINERÍA

CONFERENCIAS

Martes 2 de octubre:

8:00 - 8:30am  | INSTALACIÓN
8:30 - 9:15am  | Emulsiones Geológicas, bioengenhocidades de carbometración y sus implicaciones en la calidad de los carbonos 6 y 7 de Colombia. 
Por: Wilton Barrios, Mauricio Berrizbea y Sandra Manosalva, INMENCOC.
9:15 - 10:00am  | Desacoplamiento de reacciones acíclicas en ambientes subterráneos.
Por: Dario Mendez y Martin Espitia, Grupo SICAM.
10:00 - 10:15am  | DESCANSO
10:15 - 11:00am  | The General Strike Zone: A Regional Context.
Por: PdL Osvaldo Villanueva, Universidad Nacional de Colombo, sota Medellín.
11:00 - 11:45am  | Explotación colombiana de recursos y reservas minerales, de interés comercial.
Por: Ing. Juan Carlos Pérez, Agencia Nacional de Minería.
12:00 - 2:00pm  | ALMUELA LUNES
2:00 - 2:45pm  | Variables geológicas y geotécnicas para el diseño de sistemas de tratamiento de aguas mineras.
Por: PdL Juan Pablo Salazar, EMA.
2:45 - 3:30pm  | Uso de radiaciones asociadas a los procesos radiótécnicos.
Por: Ing. Jorge Torres, Industrias Pu del Río.
3:30 - 4:15pm  | Desempeño de combustibles de carbono sintéticos.
Por: PdL Nilda Patricia Crescencio, UPTC.
4:15 - 4:30pm  | DESCANSO
4:30 - 5:15pm  | Microentero para uso en Ildapez.
Por: Ing. Eduardo Cárdenas, Centro de Innovación ABM.
5:15 - 6:00pm  | Educación ambiental frente al recurso hídrico.
Por: PdL Sara Chávez

Jueves 4 de octubre:

8:00 - 8:30am  | Sociedad prospectiva del uso de materiales de construcción.
Por: Ing. Víctor Cortés Amaya, Fundación Universidad del Sur Andino.
8:30 - 9:15am  | Industrias del norte de Colombia en el Congreso del Sur.
Por: PdL. Diego Arango Ocampo, UMA Medellín.
9:15 - 10:00am  | Perspectivas de la minería en el norte.
Por: Dr. Jorge Camacho, Fundación Universidad del Sur Andino.
10:00 - 10:15am  | DESCANSO
10:15 - 11:00am  | Procesos alternativos al cerámico para la minería de oro.
Por: Dr. Carlos Fajardo, Grupo SICAM.
11:00 - 11:45am  | Definición de la minería en el norte.
Por: UPTC, Medellín, Carro de Oblea e Industrias Pu del Río.
12:00 - 2:00pm  | ALMUELA MARTES
2:00 - 2:45pm  | Sociedad prospectiva del uso de materiales de construcción.
Por: PdL. Diego Arango Ocampo, UMA Medellín.
2:45 - 3:30pm  | Uso de radiaciones asociadas a los procesos radiótécnicos.
Por: Sociedad Minera de Salar de Uyuni.
3:30 - 4:15pm  | Cómo a la responsabilidad social empresarial.
Por: Ing. Juan David Delgado, AEMC.
4:15 - 4:30pm  | DESCANSO
4:30 - 5:15pm  | Transferencia técnica del carbocemento en épocas financiera.
Por: Dr. Juan David Bejana, UPTC.
5:15 - 6:00pm  | Manejo de Polímeros.

Firmas del patrocinio.
SHORT COURSE ON VENTILATION OPERATING SYSTEM PLANNING SYSTEMS

This activity took place on October 3 according to the week of research, and covered everything about to measure gases and gauges in the underground mine, assembly of main ventilation analysis and the respective diagram of ventilation, with the aim that students of the chapter and mining engineering school generate an awareness of how important it is to know ventilation systems and how it works in a mine, as I go hand in hand with safety.
SHORT COURSE IN OPENCAST MINING

This course is one of the most important in the engineering construction as it is to know everything related to open-pit mining, with the aim of creating academically in the mining engineer of Colombia business planning process, classification of all methods of opencast mining exploitation, with a conception of a mining of medium to long term starting from the professional technique, and in order to know how to plan from its geology, topography, structures generate a responsible and sustainable mining and hand in hand with the environment.
ACADEMIC VISIT OF UNIVERSITY FRANCISCO DE PAULA SANTANDER

Based on the academy made the 21th November of 2018 and the interlace of our lock, to strengthen from the same united fraternity line as students of mining engineering of Colombia, and beforehand with the aim of reaching the pedagogical and technological university of Colombia to know their different laboratories starting from technical and operational tests and compatible with the academy different line and administrative agreements.
II HOUR MINERA ENVIRONMENTAL OBLIGATIONS OF A MINING TITLE

Realized May 6th, 2019, this series of activities characterize us as a student chapter SME Pedagogical and Technological University of Colombia, with the objective of carrying out the environmental and mining regulations that must be taken into account to us as future mining engineers and supervisors of mining work, is teaching to know everything related to mining law which will generate a great contribution in our professional environment, knowing that from the academy and the university conscience we can project and prevent in our mining the good practices practicing from the laws and everything related to the great miner and the support of the same, also took place everything related to where and how to present documentation for a mining concept in COLOMBIA.
CACIQUE
SUAMOX
MIÉRCOLES
6 DE MARZO
2:00 PM

HORA
MINERA

TEMA:
OBLIGACIONES
AMBIENTALES
DE UN TÍTULO
MINERO

POR:
ING. VÍCTOR HERNANDO MEDINA NIÑO
CANDIDATO A MAGISTER EN CIENCIAS
AMBIENTALES. UNIVERSIDAD JORGE
TADEO LOZANO
IMRB INVITATION

By the mining safety and rescue group of the National Mining Agency Colombia the student chapter SME-UPTC was invited to participate in the IX International conference of the mining rescue corps in which Colombia will for the first time host this important event, for which a special discount was made for members who would like to participate in this important event, this meeting was held on February 7th, 2019 by mining engineers Gloria George and Iovanni Celis.
MINING WOMEN’S ASSOCIATION

On March 5th we received a visit to one of our weekly meetings of the Mining Women’s Association where they told us the social work they develop and the organized, this in order to create an Alliance with our chapter to bring each of the parties the mission to change the concept of mining and likewise to show society the role women play in mining in Colombia.

SOCIALIZATION MEETING HIGH QUALITY ACCREDITATION

The student chapter takes the lead to be in charge of the socialization and visit of the academic peers for the high quality accreditation process of the school of mining engineering, so we held the student for each student to assume the commitment of this process, in addition to this in the 2 days of the visit of the couple we were always with them showing you facilities, labs and study rooms with which our career counts, and we lead the final meeting with the students, demonstrating the important role that as chapter we have our school, university and our business and social environment.
REUNIÓN DE ESTUDIANTES
ESCUELA DE INGENIERÍA DE MINAS CON PARES EVALUADORES
CACIQUE SUAMOX
JUEVES 28 DE MARZO
4:00PM
#TodosPorLaAcreditacion

SME
Society for Mining, Metallurgy & Exploration
STUDENT CHAPTER UPTC

Society for Mining, Metallurgy & Exploration
STUDENT CHAPTER UPTC
VISIT UFPS

On March 11th and 12th we had visit of the ninth semester students of the mining Engineering program of the University Francisco de Paula Santander which had scheduled a visit to one of the most important mines in Boyacá, the student chapter received them, gave them a tour of the university facilities besides this they spent a pleasant dinner and the next day in the night a change of activity where they were given the farewell to the students who accompanied us these 2 days.

RISK OFFICE TRAINING

On April 30th the office of risk management and environment of the municipality government of Sogamoso gave us to members of the chapter and first-income students from the school of mining engineering a training on water care and the importance of hydric sources, in the same way about planting seedlings in order to make our first miner-reforestation, each student attends the basic tools and techniques to be used when planting a seedling for reforestation purposes.
POSTERS COMPETITION

In the framework of the First Seminar on Research in Mining Innovation, a poster competition was held where the students showed their knowledge and experiences acquired in their classrooms to the attending public. This event had more than 25 participants among students from the fifth to the eighth semester.
¿QUÉ ES UNA ESMERALDA?
La esmeralda es una minera de color verde con una estructura cristalina. Es una de las piedras preciosas más apreciadas por su belleza y durabilidad.

PRODUCCIÓN MUNDIAL
La producción mundial de esmeraldas se concentra en varios países, incluyendo Colombia, Zambia y Madagascar.

¿DÓNDE SE ENCUENTRAN?
Las minas de esmeraldas se encuentran en lugares como Colombia, Zambia y Madagascar. El septiembre es el mes preferido para la extracción de esmeraldas por su alta calidad.

ESMERALDAS COLOMBIANAS, ALAS DE MEJOR CALIDAD
Las esmeraldas colombianas son conocidas por su gran calidad y belleza. Son cultivadas en las minas de Muzo y Riohacha.

PROPIEDADES Y CARACTERÍSTICAS
Esmeralda es una piedra preciosa de color verde, de uso cosmético y decorativo. Es conocida por su belleza y durabilidad.

MENCION ESPECIAL
La esmeralda es una piedra preciosa que se utiliza en joyería y en decoración de interiores.

AGRADECIMIENTOS
Agradecemos a todas las personas que han colaborado en la creación de este póster.

REFERENCIAS
CALL FOR NEW MEMBERS MAY 27

On May 27 we held the call for new members of the SME-UPTC, in order to integrate colleagues to assume the commitment to lead the activity and processes in our career, also informed to all stakeholders in the sector to be part of the SME with the acquisition of membership.
OFF-CAMPUS ACTIVITIES

University Welcome Party

To increase the finances of the student chapter, a fundraising party is organized on August 10, 2018. This welcome party of the new academic semester, allowed to integrate the university community in an atmosphere of music and fun.
II Mining and Construction Fair.

With the objective of promoting spaces for interaction among members of the mining sector, the Ministry of Mines and Energy, Pedagogical and Technological University of Colombia, the Municipal Mayor’s Office and the Chamber of Commerce of Sogamoso, organized the “II Mining and Construction Fair”. The student chapter participated in the exhibition of the stands, where they were allowed to have a physical space for promotion. During August 16, 17 and 18, 2018, it was possible to interact with members of the mining sector and with the community, the transcendental role of the student chapter and mining engineering school for the sector and for the university was announced, as well as the activities that have been developed and the goals that have been set.
II CONGRESO OMA – EXPOMINA 2018

On behalf of the SME Student Chapter UPTC and the Pedagogical and Technological University of Colombia, two members attended the "CONGRESO OMA – EXPOMINA 2018", for 5 days, from September 10th to 14th, 2018, where they had the opportunity to participate in coaching workshops, mentoring and 2 days of conferences and talks of the educational forum organized in the framework of the Expominas Peru fair. Also during this event, the delegation that attended had the opportunity to socialize with students from different regions of Peru and Latin America.
Meeting of SME Student Chapters Latin America.
Members of the SME student chapter UPTC attended the Meeting of Student Chapters of Latin America in the City of Lima, Peru, on September 13, 2018, where the conferences were given, the first one entitled "Objectives of the Young Leaders" by Manuel Montenegro and Axel Gallegos and the second one "Innovation and Leadership in the Mining Industry" by Homar Lozano. The meeting was attended by members of the student chapters of the different regions of Peru, Ecuador and Colombia.
IX Forum "Present and Future of Coal Colombian"
The student chapter received the invitation to participate as assistants in the IX Forum "Present and Future of Coal Colombian", during September 27 and 28, 2018, event organized by the National Federation of Coal Producers. In this event topics such as the Potential of Metallurgical Coal in Colombia, the environmental regulation of the coal industry, possibilities of growth, the necessary infrastructure for the competitiveness of coal, among others of great importance to understand the reality of the industry, were touched as well as the challenges and challenges it will face. In the facilities of the event, different stands were exhibited, among them the student chapter, where the First Seminar on Research and Innovation in Mining was promoted, organized by the group.
III MINING SOCORREDORS NATIONAL MEETING

The student chapter participated in the III national meeting of mining socorredors where the members of the Colombian rescue corps they gather for the Exchange of knowledge and the strengthening of their bonds of fraternity, organized by the National Mining Agency, through the Mining safety and rescue group. In this meeting was held in the city of Santa Marta on the 18th and 19th of October in which we could meet the topics, leading actors and heroes who day by day prepare to be alert to any mining emergency.
ANNUAL CONFERENCE 2019, "SMART MINING"

For the first time our student chapter is proud to have the opportunity to travel to our first annual conference, the city of Denver in the United States, with the goal of enhancing and supporting our international student chapter SME UPTC. COLOMBIA, generating change and giving a big open door to our student chapter, was a challenge too great that we as people achieve this goal, to position ourselves at the international level, all this with the aim of carrying out and know everything related to mining internationally, it is very important to highlight the members who supported us I have made part of this important event, this event
meant for us the desire to continue working with the chapter and continue contributing to society to make the change.
LATIN AMERICAN MEETINGS AT THE ANNUAL CONVENTION AND EXPO

Within the framework of the Annual Convention and Exposition, Denver CO, the meeting of student chapters of Latin America was developed:
- Peru
- Colombia
- Ecuador
The meeting touched on important topics such as the progress of the chapters along the trajectory of each one, the importance of the participation of each student associate in the different mining events that take place every year all over the world.
There is talk of the creation of the Colombia section, as well as the CIEMIN congress in which the Pedagogical and Technological University of Colombia has already had the participation of students and information is given on how to apply to this in the year 2019.
PROMOTER COURSE IN MINING PREVENTION AND RESCUE

On 13th and 14th of March the students of chapter SME-UPTC participated in the course of promoter in mining prevention and rescue where they expanded your knowledge about mining safety and how important it should be in our professional activity. Each member understood that the most important thing to get out the mine is the miner.
I MINER REFORESTATION

The first ore reforestation took place on May 1, 2019 in the Los Alpes sector of Sogamoso, with the attendance of first semester students of the Mining Engineering program and members of the student chapter of the SME-UPTC. This activity was thought, organized and carried out by the committee in charge of it (reforestation committee), it was carried out thinking of addressing several issues concerning the sector and the community in general; In the first place, this
type of activities can change the perspective that common people have on the mining sector, because it is evident that mining is committed to safeguarding, mitigating the damage caused to the environment and promoting practices that help its recovery, such as forestation and reforestation in areas that had mining activity or that are altered and / or affected by another type of activity and for which environmental liabilities have been generated. This activity was carried out in a sector affected by the exploitation of clays carried out by artisanal miners of the zone, where it is evident how this area is with a high degree of affectation; our first activity was centered in this area in order to address one of the topics that are organized at the moment: zones affected by mining activity and zones with water presence that are vulnerable. This is the first of the reforestation activities programmed by the SME-UPTC COLOMBIA chapter. It is expected that they will have a positive impact on the vulnerable zones and that it will become a regular activity led by the student’s chapter, in addition to changing the negative perspective that the mining sector has.
This second meeting of mining engineering students took place in the city of Cucuta, being a sequel to the first meeting, an event in which we were pioneers last year, where the creation of the third chapter of the SME Colombia was created, that of the Universidad Francisco de Paula Santander, in this second edition was attended by the National University of Colombia, our alma mater and the host university, which was responsible for the logistics of the event, in the framework of this meeting we participated in the SME meeting -Colombia, in order to learn from the experiences of other groups and strengthen interuniversity ties.
STUDENT CHALLENGE 2018
In the month of October we participated in the membership contest organized by the SME where the chapters with the most new and renewed memberships would win a prize of $ 250, which we won, thanks to the 25 new SME-UPTC members.

TEAMS SME-UPTC

<table>
<thead>
<tr>
<th>BLUE</th>
<th>ORANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAMILO FONSECA</td>
<td>NATALIA TRUJILLO</td>
</tr>
<tr>
<td>KAROL RAMIREZ</td>
<td>NORMA SERRANO</td>
</tr>
<tr>
<td>RAFAEL ORDUZ</td>
<td>MARÍA CAMILA GAMBOA</td>
</tr>
<tr>
<td>LUIS SOLANO</td>
<td>SEBASTIAN FLOREZ</td>
</tr>
<tr>
<td>JOSE ANGEL IRIARTE</td>
<td>SANTIAGO ARGUELLO</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>RED</th>
<th>GRAY</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALEX RUBIO</td>
<td>CAMILA ESTEPA</td>
</tr>
<tr>
<td>RAFAEL BARRERA</td>
<td>PAULA SEQUERA</td>
</tr>
<tr>
<td>CARLOS DANIEL GONZALEZ</td>
<td>MIGUEL SUA</td>
</tr>
<tr>
<td>JUAN PABLO MARTINEZ</td>
<td>DAVID ROJAS</td>
</tr>
<tr>
<td>RODRIGO NARVAEZ</td>
<td>ANDRES PEREZ</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LIGHT BLUE</th>
<th>YELLOW</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEBASTIAN VARGAS</td>
<td>ANDRES ACEVEDO</td>
</tr>
<tr>
<td>NATALIA TRUJILLO</td>
<td>JHONNATAN GRIJALBA</td>
</tr>
<tr>
<td>ALEX RUBIO</td>
<td></td>
</tr>
<tr>
<td>SEBASTIAN RODRIGUEZ</td>
<td></td>
</tr>
</tbody>
</table>

PROJECTS

- MOOR
- SCHOOLS- WOMEN MINERS
- II REFORESTATION
- MINING HOUR
- ACTIVITIES SME, SHIELD, SEMINARY
- MINING HOUR
MEC- STUDENT CHAPTER AWARD

Project “Minería con-ciencia” - Sensitization and Mining Education.

It is a project created by the SME Student Chapter of the mining engineering school of the Pedagogical and Technological University of Colombia; to sensitize the community, from the socialization in educational centers and mining projects and to make mining known as a necessary and important activity in the economic, technological and social development of the country. On Friday, August 24, 2018, the project began with participation in the research week of the Industrial Technical Educational Institution “Gustavo Jimenez”, where different conferences and workshops are held for the 6th, 7th, 8th, 9th, 10th and 11th graders. Among the topics that are discussed in the realization of the conferences are: What is mining, importance of mining, difference between informal mining, illegal and legal mining, corporate social responsibility, environmental responsibility, stages of the mining cycle and myths and realities.