2019 - 2020
ANNUAL REPORT

Society for Mining, Metallurgy and Exploration
National University of Moquegua
SME Student Chapter
# INDEX

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRESIDENT’S REPORT</td>
<td>3</td>
</tr>
<tr>
<td>SECRETARY’S REPORT</td>
<td>4</td>
</tr>
<tr>
<td>TREASURER’S REPORT</td>
<td>5</td>
</tr>
<tr>
<td>FIRST CALL</td>
<td>10</td>
</tr>
<tr>
<td>LOGO COMPETITION FOR THE CHAPTER</td>
<td>12</td>
</tr>
<tr>
<td>MAY 05 - 09, 2019</td>
<td>12</td>
</tr>
<tr>
<td>WELCOME TO NEW MEMBERS</td>
<td>14</td>
</tr>
<tr>
<td>CONFERENCE:</td>
<td>16</td>
</tr>
<tr>
<td>SOFT SKILLS FOR MINERS</td>
<td>16</td>
</tr>
<tr>
<td>VIGIL FOR PEACE AND DEVELOPMENT OF OUR COUNTRY</td>
<td>17</td>
</tr>
<tr>
<td>CONVERSATION BETWEEN STUDENTS AND GRADUATES</td>
<td>18</td>
</tr>
<tr>
<td>ICHUÑA SOCIAL PROJECTION</td>
<td>19</td>
</tr>
<tr>
<td>SECOND CALL FOR NEW MEMBERS</td>
<td>22</td>
</tr>
<tr>
<td>PERUMIN 34 VOLUNTEERING</td>
<td>23</td>
</tr>
<tr>
<td>PARTICIPATION IN SME TECHNICAL CONFERENCES</td>
<td>25</td>
</tr>
<tr>
<td>WORKSHOP:</td>
<td>26</td>
</tr>
<tr>
<td>BLASTING IN UNDERGROUND MINING</td>
<td>26</td>
</tr>
<tr>
<td>V SEMINAR, MINING FOR DEVELOPMENT, CHALLENGES IN XXI CENTURY</td>
<td>27</td>
</tr>
<tr>
<td>II COUSE - PRE-PROFESSION PRACTICE</td>
<td>32</td>
</tr>
<tr>
<td>C FELLOWSHIP DINNE</td>
<td>33</td>
</tr>
<tr>
<td>SME ANNUAL CONFERENCE - PHOENIX AZ</td>
<td>34</td>
</tr>
<tr>
<td>OTHER ACTIVITIES</td>
<td>35</td>
</tr>
</tbody>
</table>
PRESIDENT’S REPORT

During my university stage I participated to organize different events such as COMASURMIN where I assumed responsibility for the technical visits area, I also participated to organize IV mining seminar for development, challenges in the XXI century where I supported in its development, however the challenge to assume the leadership of an organization was my next step.

So, in 2019 when I saw the opportunity to run for elections SME - UNAM president, it was undoubtedly a very important decision that made me see a different reality. After win the election I had the great opportunity to start leading this great group that is the SME - UNAM, but I was also very clear that it was just beginning, a stage of many experiences, a lot of work and above all, a lot of responsibility.

Our first meeting for coordinating and plan the activities that would take place throughout the year it was undoubtedly an experience that does not forget. It is there where we learn from how to start leading a meeting, to face different points of view and get a consensus, to see if we really the capacity to solve some problem and many other things that arise at the same time, These are things that make us measure our leadership capacity and whether we can really represent that large group of people.

During the year, without a doubt, from activity to activity, we acquired more synergy between the members and the board of directors, which was of great importance for the development of activities throughout the period, and definitely one is discovering how wonderful it is to work in team, to lead and that all go in the same direction, to have the objectives well established and that the entire organization has them very clear, without a doubt they are so important for a proper functioning as a chapter.

The planned activities were without a doubt successful throughout the year thanks to cooperation of our Local Section Counselor, Faculty Sponsor, and the entire board of directors and definitely to our members who made everything work, therefore I thank to all of them who they got involved in this great crusade.

Eugenio Basilio Davila Paca
President 2019 - 2020
SECRETARY’S REPORT

Like previous years, we have the Professional School of Mining Engineering of National University of Moquegua building facilities to hold the Student Chapter meetings. In these meetings we had the participation of approximately 20 members.

These meetings were essential for good performance of scheduled activities during this period. From the most outstanding activities we can highlight "Mining for development, challenges of the 21st century" seminar, it is positioning itself year after year as a great interest event for other Student Chapters in Southern Peru.

Another activity that we have performed successfully is our Visit to ICHUÑA city, where we present about mining importance and minerals for daily life, this has been developed with a strategic ally.

In addition, during this period the support increased from related Companies with Mining sector, they have collaborated hard for increasing our members, as future professionals.

Our executive board for the period 2019-2020 is integrated as follows:

<table>
<thead>
<tr>
<th>Position</th>
<th>Name and Last Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Local Section Counselor:</td>
<td>Javier Leonardo Salazar Muñoz</td>
</tr>
<tr>
<td>Faculty Sponsor:</td>
<td>Kemper Alberto Portocarrero Ramos</td>
</tr>
<tr>
<td>President:</td>
<td>Eugenio Basilio Davila Paca</td>
</tr>
<tr>
<td>Vice-President:</td>
<td>Diego Adrian Quispe Anahua</td>
</tr>
<tr>
<td>Secretary:</td>
<td>Claudia Elizabeth Ramírez Chipana</td>
</tr>
<tr>
<td>Treasurer:</td>
<td>Sara Yenifer Ayma Mamani</td>
</tr>
</tbody>
</table>

Ramírez Chipana Claudia Elizabeth
Secretary 2019-2020
TREASURER’S REPORT

When I assumed the treasurer position in this student chapter, I began a challenge, and this led me to have pleasant experiences, achieving proposed objectives. It allowed me to have professional relationships and with other chapter partners, also I took advantage of the opportunities that have arisen during the period.

In this stage, we develop various activities, at the beginning we integrated new members, and then, we developed workshops to expand the students and professionals knowledge about mining software, which allowed them to develop their skills.

In August we participated as volunteers in the 34 PERUMIN in Arequipa city, where we got more knowledge about mining and related issues, likewise we got relationships with different businessmen and professionals who participated in the convention, and we supported in different activities during that week.

The development of the annual seminar of our chapter was very well received by the attendees, we have various professionals who presented interesting topics, the attendees have actively participated. In this seminar we have exceeded expectations.

The active participation of student chapter members and managers allowed obtaining a significant achievement, where each one has assumed their role and responsibility effectively.
## Balance of the period 2019 - 2020

<table>
<thead>
<tr>
<th>ITEMS</th>
<th>ACTIVITY</th>
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<tr>
<td>1</td>
<td>I call for new members 2019</td>
<td>may-19</td>
<td>EXECUTED</td>
<td>$/</td>
<td>-</td>
<td>S/ 266.50/$/ 266.50</td>
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<td>2</td>
<td>MINESIGHT - Mining Software Workshop</td>
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<td>$/ 60.00</td>
<td>$/ 135.00</td>
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<td>Speech &quot;SOFT SKILLS&quot;</td>
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<td>$/</td>
<td>-</td>
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<td>Move Mining</td>
<td>ago-19</td>
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<td>$/</td>
<td>-</td>
<td>$/ 136.70/$/ 136.70</td>
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<td>6</td>
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<td>$/</td>
<td>-</td>
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<td>7</td>
<td>Pre Professional Practices Workshop</td>
<td>nov-19</td>
<td>EXECUTED</td>
<td>$/ 30.00</td>
<td>$/</td>
<td>$/ 30.00</td>
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<td>V Seminar Mining for Development Challenges in the XXI Century</td>
<td>nov-19</td>
<td>EXECUTED</td>
<td>$/ 2,419.90</td>
<td>$/</td>
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<td>SME Confraternity Dinner</td>
<td>dic-19</td>
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<td>$/</td>
<td>-</td>
<td>$/ 1,199.00/$/ 1,199.00</td>
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<td>MINESIGHT - II Mining Software Workshop</td>
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<td>$/</td>
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<td>$/ 3,128.30</td>
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</tbody>
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Sara Yenifer Ayma Mamani
Treasurer 2019 - 2020
List of members of the SME Student Chapter UNAM

<table>
<thead>
<tr>
<th>N°</th>
<th>SURNAMES AND NAME</th>
<th>YEAR</th>
<th>CONDITION</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Alarcón Cáceres Mariana Alejandra</td>
<td>2019</td>
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<tr>
<td>2</td>
<td>Almanza Cruz Edgar Julio</td>
<td>2019</td>
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</tr>
<tr>
<td>3</td>
<td>Apolinarío Chura Jhoan</td>
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<tr>
<td>4</td>
<td>Arenas Arenas Renato Marcel</td>
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</tr>
<tr>
<td>5</td>
<td>Ayma Mamani Sara Yenifer</td>
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<tr>
<td>6</td>
<td>Cáceres Mamani Alberto Andre</td>
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<tr>
<td>7</td>
<td>Caceres Ventura Jhonatan</td>
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<tr>
<td>8</td>
<td>Cardeña Ramos Fabiola Neddy</td>
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<tr>
<td>9</td>
<td>Churacutipa Manzano Juan Carlos</td>
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<td>10</td>
<td>Clemente Venegas Wilson</td>
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<td>11</td>
<td>Colana Nina Bryan Ronald</td>
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<td>Colque Calizaya Daniel Edson</td>
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<td>13</td>
<td>Condori Llimpe Flora Lucy</td>
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<td>14</td>
<td>Copa Puma Edward</td>
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<tr>
<td>15</td>
<td>Cuayla Benites Brian Berny</td>
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<tr>
<td>16</td>
<td>Davila Paca Eugenio Basilio</td>
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<td>17</td>
<td>De la Cruz Carrasco Frank Lloyd</td>
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<td>18</td>
<td>Espinoza Miranda Vicente</td>
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<td>Fernandez Mamani Jose Miguel</td>
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<td>20</td>
<td>Flores Apaza Leidy Esther</td>
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<td>21</td>
<td>Flores Perez Rodrigo Franco</td>
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<td>Fuentes Marca Felix Miguel</td>
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<td>24</td>
<td>Gomez Calatayud Marina Mercedes</td>
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<td>25</td>
<td>Gonzales Humire Marycielo Mireya</td>
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</tbody>
</table>
26  Gustavo Enzon Quispe Ponce  2019  Member
27  Herrera del Arroyo Brando Martin Eduardo  2019  Member
28  Holguin Salas Dante Antony  2019  Member
29  Huacho Apaza Christian Jefferson  2019  Member
30  Huanca Duenas Daniel Junior  2019  Member
31  Huarachi Laura Oliver  2019  Member
32  la Torre Palomino Paulo Patricio  2019  Member
33  Linares Molina Estefany Julyet  2019  Member
34  Lopez Mamanchura Oscar Wilson Aldair  2019  Member
35  Mamani Banegas Angel Cristhian  2019  Member
36  Mamani Laura Victor Daniel  2019  Member
37  Mamani Mamani Christian Ruben  2019  Member
38  Maron Flores Xiomara Milagros  2019  Member
39  Mejía Reyes Edwin Elías  2019  Member
40  Merma Alfaro Diego Alberto  2019  Member
41  Meza Penaloza Jampier Nicol  2019  Member
42  Molina Sandoval Luzgardo  2019  Member
43  Muñoz Muñoz Ysabel Karolayn  2019  Member
44  Nina Pacheco Shari Sayuri  2019  Member
45  Perez Bernaola Ronaldo  2019  Member
46  Quea Condori Luis Fernando  2019  Member
47  Quispe Anahua Diego Adrian  2019  Member
48  Quispe Camino Chadly Ling  2019  Member
49  Quispe Flores Victor Hugo  2019  Member
50  Quispe Gutierrez Paola Fiorella  2019  Member
51  Quispe Maron Candy Macarena  2019  Member
52 Quispe Vilca Jamil Jesús 2019 Member
53 Ramirez Chipana Claudia Elizabeth 2019 Member
54 Ramos Apaza Jose Luis 2019 Member
55 Ramos Ramos Mariela Veronica 2019 Member
56 Ramos Santos Zenón 2019 Member
57 Revilla Nina Emily Yesenia 2019 Member
58 Rodriguez Zabalaga Rosania Ericka 2019 Member
59 Rosales Bustamante Abigail Luana 2019 Member
60 Sime Munoz Dania Ines 2019 Member
61 Sosa Chipana Olegario 2019 Member
62 Tala Gonzales Jean Carlos 2019 Member
63 Ticona Nova Manuel Andre 2019 Member
64 Valdivia Chipana Hector Mauricio 2019 Member
65 Ventura Apaza Yoselin Jovana 2019 Member
66 Vigil Meneses Robert Alfredo 2019 Member
67 Vilca Navarro Jorge Samir 2019 Member
68 Villanueva Zeballos Luis Angel 2019 Member
69 Yujra Maquera Yene 2019 Member
70 Yunguri Huamani Jheison Kenni 2019 Member
71 Zea Machaca Lizbeth 2019 Member
72 Zuñiga Espinoza Carmen Rebeca 2019 Member
In order to participate in the annual challenge organized by the SME Society for Mining Metallurgy and Exploration, which consists of convening the largest number of new "Challenge" members, the chapter organizes this first convocation aimed at all university students in careers related to mining, like: metallurgical engineering, geological engineering, environmental engineering, and mining engineering.

We developed a schedule of activities where different commissions were distributed among the members, such as: diffusion or broadcasting, registration, orientation, reports (for anyone who wants to receive information regarding SME).

The registration process has been carried out during 2 weeks, from May 6 to 18, 2019. The call was widely welcomed by students, achieving fabulous results, it was possible to incorporate 26 new members and 6 renewals of old members.
In the framework of the first call of our new members, a paper called "long-term sustainability of fine copper in Cuajone mine" was scheduled, which was presented by Javier Leonardo Salazar Muñoz, he is our Local Section Counselor and Cuajone mine manager, the presentation was scheduled for May 10, 2019 at 4:00 p.m. in Moquegua National University auditorium.

The event was developed with chapter members support, professors from mine school and interested students.

The strategy of combining the presentation for academic purposes and the call for new members was widely accepted by the students, achieving about 125 participants among mining professionals, professors and students.
In order to create identity and show a logo that represents us as a chapter, the call for the design of a logo for our chapter is opened, which fulfilled a series of requirements within them, keep the original SME logo and increase new contextualized items.

The call was published on May 5, then we proceeded with the registrations, receiving design on a deadline and after that go to the evaluation stage, the evaluators were our Local Section Javier Salazar Muñoz and our Faculty Sponsor Kemper Portocarrero Ramos.

La convocatoria tuvo como participante a 4 estudiantes universitarios, todos ellos miembros del capítulo de estudiantes de la SME – UNAM. Posterior a su evaluación se dio ganador al Sr. Alberto Augusto Quispe Fernández.

We had 4 university participants, all of them are SME - UNAM student chapter members, as a result of their evaluation, the winner was Mr. Alberto Augusto Quispe Fernandez.

**Picture 3. The logo that won the first place was designed by Alberto Augusto Quispe Fernández.**

**Picture 4. The logo that won the second place was designed by Daniel Edson Colque Calisaya.**
Cerro Baúl, Impresionante y curiosa formación geológica, es parte fundamental de la identidad moqueguana.

Iglesia Santo Domingo, edificación con el estilo neoclásico, construida en piedra y cal.

Casa con techo de mojinete, característica típica de la arquitectura colonial moqueguana.

Piquetas y casco minero, representación de la riqueza y atractivo geológico minero de la ciudad de Moquegua.
In this way, students, mainly from mining engineering school integrated with our SME - Student Chapter UNAM.

In this event, new members participated who were just integrated, as well as professors and interested public. This activity took place in Pre-University Center auditorium of our university, also, an academic talk "Impromining - technology and Innovation" was presented by Kemper Portocarrero Ramos, he is our Faculty Sponsor and professor at mining school of Moquegua National University.

After the introductory talk, we introduce the twenty-six new members who integrated to our chapter.

Our guest Mgr. Jorge Florez Salas, who is mining engineering school director, who congratulated each of the students for their incorporation into the SME, also expressed his full support for the organization in its necessary efforts.
Picture 5. Training talk by engineer Kemper Portocarrero Ramos.

Picture 6. Handing a present as thanks to our Faculty Sponsor.

Picture 7. Photo with all members who supported the performance of the event.
One of the board of directors’ proposals was to work with the chapter on soft skills, since it was a topic of considerable importance for everyone in the professional aspect of each member, therefore we looked for an expert, who has the predisposition to give a conference about the theme.

The conference called "SOFT SKILLS FOR MINERS" was included as part of the activities to reinforce the soft skills of our members. The speaker was Jorge Manzaneda Castillo, he is operations supervisor of San Martin company in Shougang Hierro Peru mine.

The conference was free, for this reason the invitations were extended to the different professional schools of Moquegua national university.

Picture 8. Jorge Manzaneda Castillo’s participation in our speaker interviews.
Our country was facing difficult times, there was great opposition to the execution of mining projects, causing the paralysis of the main projects in the south of the country, for this reason our initiative was born to express to the government and to the entire Peruvian state what we think as University students about all mining conflicts, because we are the main actors in mining activity.

Working together with mining engineering school students, professors and mining professionals, this vigil was organized for the peace and development of our country, it was possible to convene a large number of participants in front of the university, they carried white flags, banners alluding to the events that were taking place and lit candles in an act of peace.
The objective of the meeting is to strengthen relationships between students and professionals who work in mining sector, at the same time, they are graduates from Moquegua National University, this event performed to discuss very interesting topics such as: training program for mining engineering students career students, experiences to face employment insertion to after finish the university study, we talked about research culture too, finally, about topics related to the professional school.

This activity was carried out together graduates from mining engineering professional career and students, adding efforts to successfully develop this project.

More than 50 attendees participated in the meeting, including students and university graduates, a very good acceptance was achieved by the attendees

The ties between students and graduates were strengthened, and it was also possible to train students to face the employment insertion.

Conversation between students and graduates
August 27, 2019
Auditorium of mining engineering school – UNAM.

Picture 11. Graduates and students of mining engineering school.
In the last times, mining is seen by people as a dangerous activity, for this reason the UNAM chapter coordinates to organize an activity of social projection in order to help promote responsible and environmentally friendly mining.

With support of the Buenaventura company who gladly supported us with transportation for 15 student members of the SME - UNAM, from Moquegua city to Ichuña district and back, the district municipality of Ichuña who supported us with rooms to stay there and the local to carry out the scheduled activities on August 28, 29 and 30.

The activity was prepared for children under 14 years of age, in order to teach them about the importance of mining in our daily life, and the use of minerals in different daily activities, we also developed different dynamics to make the presentations more entertaining by our members.

Between dynamics, contests, videos and other prepared activities, our participants developed the activities. Likewise, in collaboration with private company, our 15 members have received short presentation about the mining project that is in that town, which is currently in the exploration stage. Making the activity very productive for our members and for the entire community of Ichuña.
Picture 12. Doing activities with children from Ichuña community.

Picture 13. Participation of members in dynamic activities with the activity children.

Picture 14. Community mothers with one of our chapter members.
Picture 15. Our volunteers are preparing the material to carry out our activities with great success.

Picture 16. Training talk to our volunteers by the private Buenaventura company.

Picture 17. Photo of all our volunteers at the end of programmed activities, during three days.
This was the second call to invite and attract new members in order to participate in the Challenge organized by the SME.

The call was for five days without counting the days of diffusion; First, we proceeded to make the diffusion in Moquegua National University Mining Engineering school, the call was open, for anyone who wants to belong to our chapter, always bearing in mind that they must be mining students or related careers.

A talk was held to publicize all the details of the SME, including the benefits, the opportunities that belonging to the chapter gives us, especially the most important thing is the development and reinforcement of our soft skills through the different activities that we have been doing.

In this second call it was possible to include 14 new members, who took advantage of this great opportunity offered by the organization. Immediately they were involved in the different activities that we have been scheduled for the next few days, such as: volunteering at the EXTEMIN fair within the framework of PERUMIN 34, activities such as software workshops, pre-practical program, etc.

Imagen 18. Difusión de la II convocatoria.
Imagen 19. Charla informativa para los interesados.
Through this initiative by Peru Mining Engineers Institute - IIMP, as managers of this great event they include university students as support in different stands that have been exhibiting at the fair called EXTEMIN and in order to bring to these future professionals to the companies that participate in this fair.

Our chapter participated in this event with 15 volunteers who traveled to Arequipa city and stayed during all the days that this great event lasted.

Our volunteers had the opportunity to participate in different directed and structured conferences, exclusively for volunteers, in addition to this, a few weeks before participating, they had opportunity to participate for a soft skills workshop in Arequipa city.

With great success, they participated in this volunteering, getting their expectations, strengthening relationships between students and companies.
Picture 20. participation in soft skills talks 15 days before the Arequipa mining convention.

Picture 21. Volunteers from our chapter located in the support stands.

Picture 22. Supporting the delivery of souvenirs in different rooms.
In the framework of one of the largest mining events “PERUMIN 34 CONVENCIÓN MINERA”, SME organizes technical conferences, which has the main leaders of this organization; for this year's edition, the Moquegua National University participated in this important event where different chapters from all over Peru are called; our 15 members participated in this event and they had an important experience.

Another of the activities organized within the framework of PERUMIN is the dinner, where the main leaders of the mining sector and the leaders from different chapters participated, for this event they participated with chapter president.
Knowing the importance of strengthening and training our members in specific topics such as blasting in mining (underground mining), he coordinated with the private company EXSA. S.A. to request a training course aimed at all Mining Engineering students and also any interested person who is directly involved in the mining sector.

The workshop course was coordinated through a management with the company for October 31, 2019, this time the workshop course was presented by the Engineer Oscar Mauró Obando, he was in charge of the Technological Training Center in Blasting Training Technological Center - CTV at the EXSA Solutions company.

This event reinforced the knowledge of all the students who attended, in this way we achieved one of the objectives set, as part of the management, to reinforce the hard skills of our chapter members.
V Seminar, Mining for Development, challenges in XXI Century.
November 28 – 30, 2019
Moquegua Nacional University

One of the most representative activities of the chapter called Seminar, Mining for Development, Challenges in the XXI century, this is its fifth edition, it aims to expose technological advances in the sector and integrate the university student with professionals in mining sector, through of this type of activities organization.

To organize this activity, we had the support from different companies related to the mining sector, such as:

- Southern Perú
- Famesa Explosivos
- Exsa soluciones
- APC
- Neuma
- Varel
- Other companies.

The support of these companies was very important to organize this seminar, without the support of these companies, the event could not have been held, the companies supported with the different expenses that had been generated, such as: poster printing, banner printing, program printing, printing and design of bags for presents, pens production, credentials creation, folders design and production, presents for speakers, certificates making, mobility payments for a technical visit, expenses gala dinner organization, mining cup organization, and others expenses.

Picture 25. In the background is the banner of our sponsors, and in front of the banner, are our collaborators from the dance workshop.
This seminar was developed over three days, and it was structured as follows:

- **Thursday, November 28:** opening and main presentations.
- **Friday, November 29:** different activities were carried out between presentations and technical visits to the main mining operations (Cuajone and Toquepala) of the company Southern Peru, a cultural night was also organized for all the participants, and the last activity of this day was the gala dinner.
- **Saturday, November 30:** this was the last day, it was clearly oriented to the development of a soft skills workshop and in the same way, the mining cup that was developed among the different SME students chapters who participated in this seminar.

### PAPERS

We had different personalities for presentation topics, thanks to them, this activity could be developed, the presentations were scheduled for two days with a time of 8:00 am until 7:30 pm with an interval of 2 hours for lunch, from this time 15 minutes was used for morning and afternoon break.

Each paper (presentation) had 45 minutes of time, this was divided into 30 minutes exclusively to present their topic and the other 15 minutes destined to solve any question from the attendees.
CULTURAL NIGHT AND GALA DINNER

At the end of the daily activities, the cultural night was included in the program, it had the purpose of entertaining the attendees after finish the conferences, they took place on 28th and 29th, with the participation and support of the dance workshops from Provincial Municipality of Moquegua and the dance workshop from Moquegua National University.

For Friday 29th, the gala dinner was scheduled to be organized in order to share and strengthen relationships between all attendees, for organizing this, we had the support of different private companies.


Picture 29. Tecsup delegation at gala dinner.
TECHNICAL VISITS

In the framework of the seminar, technical visits were carried out to the mining units of the Southern Peru company (Toquepala and Cuajone Mine), a total of 60 Technical visits, 30 were coordinated for each mining unit.

The itinerary was developed as follows:
Toquepala mine:
- Departure time - UNAM: 4:30 am
- Start of visit in Mina: 8:00 am
- Lunch at the mine: 1:00 pm
- Return from mining unit: 2:00 pm
- Arrival - UNAM: 4:30 pm

Cuajone Mine:
- Departure time - UNAM: 7:30 am
- Start of visit in Mina: 8:30 am
- Lunch at the mine: 1:00 pm
- Return from mining unit: 2:00 pm
- Arrival - UNAM: 3:00 pm.
WORKSHOP SOWING VALUES FOR LIFE

In order to promote the values that have been lost lately, the organizing committee, together with the support of Ariusta SAC company. They saw the importance to perform this workshop, and adding efforts get to develop this important workshop.

This workshop was carried out by engineer Artemio Ariusta on Saturday November 30 in auditorium of Public Management and Social Development school, the workshop was held during 04 hours, which were taken advantage by our assistants.

For this activity, approximately 25 young people from different universities in the south of the country participated. This activity encouraged the development of soft skills and the recovery of values.

Picture 32. Attendees of the Soft Skills Workshop..
At the end of the academic year, this activity was carried out in coordination with the Geologist José Salas Medina, he is president of this pre-practical workshop, it is basically aimed to students who can see through short presentations, how was the labor insertion of the graduates, who share their experiences and support this great step that university students take after leaving the classroom and completing their years of study.

For the present workshop, eight graduates from Mining Engineering School were summoned, they shared their experiences and at the same time recommended to students, how to achieve an effective insertion in the labor area.

This event of great interest to our members and students from mining related careers was held with great success.
As a thank you to our members in the hard work involved in organizing the seminar called Mining for Development, Challenges in the 21st century, this fellowship dinner was organized to recognize their immense work that is of great importance to successfully carry out the programmed activities.

Likewise, recognition was given to our Local Section Counselor, engineer Javier Salazar Muñoz, also to our Workshop Course president, Geologist José Antonio Salas Medina, that previously it was organized it, and recognition to all those who contributed to the different activities during this year.
One of the most important activities of the SME is the annual conference that takes place in the United States, where two members of our chapter attended the conference.

Without a doubt, one of the events of great importance for anyone who manages to participate, it was possible to attend the sessions in different rooms, visit the fair exhibition and participate in the Waime challenge, as well as participate in different activities organized by Freeport McMoRan, Komatsu and others.

This event managed to open doors of opportunities, with a view to different objectives outlined by our chapter assistants.

Picture 37. Representatives from different chapters of Peru.
During all year, different activities were organized by SME-UNAM, and participated, such as:

- We Participated in a webinar called Open Pit Mine Design.
- Our members participated in the Geoengineering seminar in the city of Lima - Peru.
- A first mining software workshop course was organized.
- Participation in the mine planning and design competition within the Perumin framework.
- We organized the II mining software workshop.
- A first mining software workshop course was developed.
- Participation of our members in the organization of different Mining Thursdays of the Peru mining engineers Institute, Moquegua Sectional.
- Webinar, Innovation methodologies applying concepts of seismic for an adequate geotechnical characterization and its impact on the control of slopes and fragmentation process, taught by Eng. Julio Accinelli Oliva, this webinar was developed on April 06, 202.

Picture 38. Webinar poster.
I have reviewed the Annual Report of the SME Student Chapter UNAM / Moquegua National University of the society for Mining, Metallurgy & Exploration for the 2019 – 2020 period and attest that the information presented is accurate.

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