

E-mobility and Energy Citizenship BY SDG SCOUTS NUML



13 CLIMATE ACTION



11 SUSTAINABLE CITIES AND COMMUNITIES



7 AFFORDABLE AND CLEAN ENERGY



NEECA

ezbike

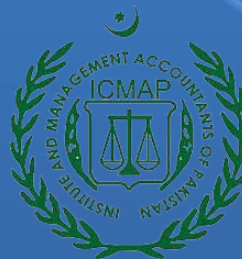


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Project team



**PROJECT SUPERVISOR
DR.ATHAR RASHID**



**GROUP LEADER
USAMA FAIZAN**



**SOCIAL MEDIA
MANAGER
SOHAIL AHMED**



**CONTENT WRITER
FAKHRA JAFFAR**



**FINANCE MANAGER
ABU BAKAR PARAS**

Opinions of the Group Members about the Social Action Project and their learning:

Usama Faizan (Project Coordinator)

Taking part in a social action initiative was new for me. I've never had the chance to learn so much and engage with society so directly for a cause. My desire of working for a cause was realized through the Social Action Project, and it did so when I was the group leader and took the initiative. The SDGs and its significance for society were particularly fresh to me throughout the course of this project because I had never heard of them before. Leading a group has also improved my leadership, communication, interaction, and many other abilities. We made new friends, learned from bright experts, and learned their perspectives on a sustainable society that is rich in knowledge and experience through the initiative. Overall, the project has been overwhelming for me, and I've enjoyed my experience managing a team and hitting deadlines.



Fakhra Jaffar (Content Writer)

Since I've never written anything before, I'm Fakhra Jaffar, and I found the experience to be quite difficult. The main objectives of a content writer are to inform, instruct, and foster connections; but, after making some effort, things became simpler. This work taught me a lot, especially about organising, generating, and modifying site content. The endeavour was really worthwhile. We visited churches as well as colleges and universities on numerous separate occasions. In addition to interviewing the students, we also strolled around the campus of our university.



Sohail Ahmed (Social Media Manager)

Myself I oversaw the social media team for our project including social action, which was coordinated by Sohail Ahmad from BS-GPP 4TH AFTERNOON (SDGs, E mobility and Energy Citizenship). I'm excited to share with you my general project activities, an update on the project's status, and our experiences with the SDGs and E mobility. I worked on this project with the other members of my group as the social media team organiser, which gave us the chance to tour a range of highly visible areas and gain new and improved skills. Additionally, I had the wonderful chance to mentor and counsel others while also learning new things from them. I had the chance to particularly discuss the social action project SDGs that our university is undertaking with people and leaders of other educational institutions. On our campus, we also launched a social action programme focused on the SDGs. I was in charge of the social media team for the whole campaign, and my main duty was to upload pictures and videos of our activities to the NUML SOCIAL ACTION PROJECT Facebook page. In a word, it was a good project run under Dr. Athar Rashid's supervision that allowed students the ability to engage with people on their individual campuses, which spanned from schools to colleges and universities, learn about resource scarcity, and safeguard and preserve the environment.



Abu Bakar Paras (Finance Manager)

Myself Abu Bakar Paras. This endeavour taught me a lot, and it also presented me with numerous obstacles that helped me develop personally. I oversee the project's finances for energy citizenship and e-mobility. It was quite difficult to locate cost-effective substitutes for manager records, but I learnt a lot throughout this project, and I'm committed to continue working for Sir Athar Rashid.



EXECUTIVE SUMMARY

Social action project is a multistep project that enables participants to dig deeper and devise out sustainable solutions regarding the environmental problems. In this project the participants have shared their first experiences. This includes how the project changed their perspectives and helped them to gain on ground experience by meeting people and engaging with governmental departments.

The document has highlighted experiences of project manager, content writer, social media manager and finance manager of the project. Most importantly, the project has aimed at developing critical skills, attitudes and enhances experience based learning. It has also aimed to enable the students to make a positive contribution to the society. The project also includes practical and pragmatic solutions. In addition to this, the social action projects which were studied include “E-Mobility” and energy efficient citizenship.

In this project primary sources were used to collect data. For this purpose project manager and other members visited governmental offices and held talks with them to dig out progress of Government regarding e-mobility and electric cars. The purpose to opt for primary sources was to gather firsthand experience and in-depth knowledge regarding governmental policies, the impact and progress of those policies in addressing environmental degradation of Pakistan.

During these visits, the governmental departments briefed the project team over usage of hybrid cars, e-scooters and the impact that these policies have made so far. In addition to this, project members were also briefed about the loopholes and challenges being faced by the government in implanting the policies that can prove beneficial and effective in countering the adverse impacts of transportation and industry on our environment and planet at large.

The project has highlighted efforts and contribution of the government by meeting them in person and also by analyzing governmental policies such as “National Electric Vehicle policy (NEVP). Other than this, the document has profoundly explained the benefits of

usage of electric vehicles. The benefits includes social, environmental and also economic. It has also highlighted and profoundly studied the measures to scale up energy citizenship.

For a country like Pakistan that is one of the most vulnerable towards climate change, e-mobility can prove to be beneficial in reversing the impact of climate.

This project represents SDG 7, 11 and 13, SDG 7 aims for ensuring universal access to modern energy services, improving energy efficiency and increasing the share of renewable energy; SDG 11 aims to renew and plan cities and other human settlements in a way that offers opportunities for all, with access to basic services, energy, housing, transportation and green public spaces, while reducing resource use and environmental impact and SDG 13 seeks to combat climate change and address its impacts.

INTRODUCTION

A social action project is a multi-step process in which individuals confront a problem they care about, learn about it, consider many potential solutions, and then take action. Students in social action projects generally collaborate with other class members on initiatives that they assist to select. Prepare and direct. Students are prepared to identify, develop, and carry out solutions to issues in their school, community, and beyond through a social action project. The objective is to promote engaged citizenship via intelligent, cooperative, critical thinking, and responsible behavior. There are four main reasons why students should participate in social action initiatives:

- **Develop crucial skills and attitudes**

Because social action projects include students actively in the identification, planning, and implementation of the action, students learn valuable skills such as problem solving, conflict resolution, and empathy.

- **Improve their comprehension of curricular information.**

Students' comprehension is strengthened when they learn the contextual reality of what they previously discussed in theory through action projects, which integrate text-based and experience-based learning.

- **Increase their feeling of personal and group effectiveness.**

Participation informs children that there are ethical methods to solve challenges and that everyone can contribute to social change.

- **Make a positive contribution to society.**

Students learn that their acts have a greater societal impact.

A social action Project involves

- Involve community members and stakeholders in the implementation of a social action initiative.
- Educate and inspire people to take action to
- Concentrate on solutions to address the fundamental cause of a social issue, a successful social action project is carried out in a systematic manner, and some inevitable actions must be taken:
 - First, you must define the problem and then determine where you want to focus your efforts.
 - Identify the stakeholders who are involved in or affected by the problem at hand.
 - Stakeholders are those who are involved in an issue and are affected by it.
 - People with the ability to influence and effect change, etc.
 - Determine the community's needs and strengths in relation to that problem.
 - Keep an eye out for other organizations that are functioning on the same cause.
 - Assemble a team with well-defined roles and tasks.
 - Consider an action and then develop a strategy to carry out the project.
 - Implement your concept.
 - Monitor and assess your action, keeping track of your data, participants, and the results and consequences of that project.

PROJECT PROPOSAL

NAME OF SOCIAL ACTION PROJECT	<u>E-MOBILITY (E SCOOTERS) and Energy Citizen.</u>
Literature Review	<p><u>There are several studies on e-mobility and energy citizen that show benefits of adopting electric vehicles and energy citizenship.</u></p> <p>➤ <u>Scaling up E-mobility in Pakistan</u></p> <p>Globally the electric vehicles (EV) are gaining substantial momentum due to their higher energy efficiency, lower running and operations costs, as well as lower tailpipe emissions. As a result of these multiple benefits, the global electric vehicle fleet has been expanding at a rapid pace - primarily driven by policy support by leading governments, technology improvements and declining battery costs. The road transport sector in Pakistan relies heavily on fuel imports. Pollution in major cities has increased to alarming levels. Apparently, Pakistan currently faces a power surplus crisis. Increased EVs penetration could serve as a productive power demand and help achieve an adequate level of utilization of existing power capacity and bring down unit cost of electricity. Electrification of transportation is one of the effective means to reduce energy intensity in the road transport sector. Besides, EVs offer lower running and operational costs, and as well as lower tailpipe emissions. All these factors put together make a strong case for EV adoption in Pakistan.</p> <p>While recognizing the multiple economic, environmental and social benefits of electric mobility, Government of Pakistan introduced its first ever National Electric Vehicle Policy (NEVP) for various vehicular segments in 2020.</p> <p>This work undertakes a comparative assessment of Pakistan’s national EV policy and emerging EV markets in the US, EU, China, and India in the context of EV deployment targets, carbon emission regulations, fuel economy standards, phase-out plans for Internal Combustion Engine (ICE) vehicles and purchase incentives for EVs.</p> <p>➤ According to the study of Harvard University Increasing the use of electric cars could improve health outcomes. Replacing gas-powered vehicles with electric vehicles in cities could significantly reduce <u>air pollution</u>–related death and illness, according to <u>John Spengler of Harvard T.H. Chan School of Public Health.</u></p>

	<ul style="list-style-type: none"> ➤ <u><i>According to studies by EDF energy using EVs has a lot of benefits like</i></u> ➤ <u><i>Better our planet</i></u> <p>One of the biggest advantages of driving <u>EVs is the impact on our environment. Pure EVs have no tailpipe, so they don't emit any exhaust gases,</u> which reduces local air pollution particularly in congested cities.</p> ➤ <i>Lower Running Cost</i> <p>On average, an electric car costs less than £1.30 to drive 100 miles vs. £11.05 for a petrol car.</p> ➤ <i>Low noise pollution</i> <p><i>EVs are much quieter than petrol and diesel vehicles. In fact, electric cars are so quiet, they are now required by law to have an Acoustic Vehicle alert system to emit sound when reversing or traveling below 19km/h..</i></p> ➤ Environmental concerns are on the rise around the world, as carbon emissions are increasing rapidly and which is one of the leading causes of global warming. These emissions come from different sectors but the biggest contribution comes from the transport sector. As countermeasures, countries are shifting toward electric vehicles, which are much greener modes of transportation. Currently, different types of electric vehicles are available in the market. The selection of a viable type of electric vehicle for a developing country like Pakistan needs proper evaluation. In this study, two techniques are used. Firstly, fuzzy Strength, Weaknesses, Opportunities, and Threats (SWOT) approach is used for the selection of a suitable vehicle for the future market of Pakistan. Secondly, fuzzy linear programming is used to check the viability of electric vehicles in the current market scenario. Using these techniques, hydrogen fuel cell vehicle is selected as the most advantageous vehicle for Pakistan's future market and the hybrid electric vehicle comes out as the best alternative for the current market. The techniques and the case study of Pakistan are the main novelty of this study, as no literature exists on electric vehicles with these methods on Pakistan's perspective. Based on the results, different recommendations are given to the policymakers of Pakistan. The recommended policies could make electric vehicles a prime competitor to the combustion vehicles in the current and future markets. ➤ Harvard University ➤ EDF energy
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➤ Z. Rezvani *et al.*

Moving toward green mobility: overview and analysis of electric vehicle selection, Pakistan a case in point

[Abdul Haseeb Khan Babar,](#)

[Yousaf Ali](#) &

[Amin Ullah Khan](#)

➤

Advances in consumer electric vehicle adoption research: a review and research agenda

➤ H. Quak *et al.*

Possibilities and barriers for using electric-powered vehicles in city logistics practice

➤ L. Qian *et al.*

Linking Chinese cultural values and the adoption of electric vehicles: the mediating role of ethical evaluation

Scaling up Energy citizenship

Energy citizenship means adding citizens in energy transition where citizens will participate in achieving climate neutrality. By using electric vehicles we can minimize the carbon emission. It's the need of time that we take actions toward climate change.

More energy policies are needed towards renewable energy adoptions, energy efficiency and electric mobility.

However, Decarbonisation is not happening at a desired pace. The pace of decarbonisation can only happen if citizens actively

participate and are given opportunity to take actions towards

achieving energy citizenship. Each of these pathways could engage

citizen scientists in qualitative and quantitative research and increase

scientific literacy about energy systems. Our call for citizen science to

supplement current forms of participation builds from the “ecologies

of participation” framework, itself an extension of co-productionist

theories of science and technology studies. We conclude with a

discussion of affordances and barriers to the alliances between citizen

science and energy communities and their potential contributions to

	<p>SDGs 7: Affordable and Clean Energy, 11: Sustainable Cities and Communities, 13: Climate Action, and 17: Partnerships for the Goals.</p> <ul style="list-style-type: none"> ➤ G. Thomas, Energy justice discourses in citizen deliberations on systems flexibility in the United Kingdom: Vulnerability, compensation and empowerment. ➤ D. van der Horst et al. Improving energy literacy through student-led fieldwork - at home ➤ Strasser, B.J.; Baudry, J.; Mahr, D.; Sanchez, G.; Tancoigne, E. “Citizen science”? Rethinking science and public participation. ➤ Sauermann, H.; Vohland, K.; Antoniou, V.; Balázs, B.; Göbel, C.; Karatzas, K.; Mooney, P.; Perelló J.; Ponti, M.; Samson, R.; et al. Citizen science and sustainability transitions. ➤ Chilvers, J.; Pallett, H.; Hargreaves, T. Ecologies of participation in socio-technical change: The case of energy system transitions. <i>Energy</i>. ➤ Van Veelen, B.; van der Horst, D. What is energy democracy? Connecting social science energy research and political theory. <i>Energy</i>. ➤ Capellán-Pérez, I.; Campos-Celador, Á.; Terés-Zubiaga, J. Renewable energy cooperatives as an instrument towards the energy transition in Spain. <i>Energy Policy</i> 2018. ➤ Genus, A.; Iskandarova, M. Transforming the energy system? Technology and organisational legitimacy and the institutionalisation of community renewable energy. <i>Renew. Sustain. Energy</i>.
BRIEF SUMMARY OF SOCIAL ACTION PROJECT	<p>Commuting has become more difficult as cities have grown. An electric scooter is useful in this situation. They are light and tiny, and they are rather safe to travel on, allowing you to get to your destination quickly. Electric scooters have replaced traditional scooters as a result of technological advancements. It is powered by rechargeable batteries and is generally considered to be environmentally beneficial. Furthermore, because batteries are used instead of gasoline, the overall cost of maintaining an electric scooter is low.</p> <p>In Pakistan, when we examine current traffic situation, there are a lot of vehicles on the roads now and driving a car in such traffic is not safe anymore. Every day, many people die because of road accidents. By</p>

introducing E – scooters, we can avoid all of this.

E – Scooters are small in size and have a very low speed limit. The maximum speed can be of 20km/h. This will avoid over speeding and eventually will avoid road accidents. Also these e scooters are totally hybrid. As in, they work on batteries. No fuel consumption. This will stop pollution.

E – Scooters are a newly introduced phenomenon. Not many motor companies have worked on this project yet. But a startup in NIC Islamabad made an e scooter named **Ezbike**. The following link will lead you to some of the efforts they have made regarding E scooters.

<https://www.ezbike.pk/> .

Moving forward, Aware people about how they can be an energy citizen by participating in brining climate neutrality by using electric vehicles, smart devices, by renewable energy resources etc.

As this project cannot be done only by the will of some students or some participants of the community, it must involve, the consent of the political authorities, as well as the consent of the education and transport department of that particular area where the concept is applied.

In this regard, we will reach out to the Federal Transport Minister and Federal Minister of Education.

In this social action project, our focus will be building a model, a cost-effective model for the students to get affordable and safe means of transport.

The model comprises of the following steps. These steps below are formulated in a generalized form and they will be detailed and comprehensive in the later version.

- A team of 30 volunteer' citizens from different areas of the city will be encouraged to participate in this project and they will be officially hired by transport department.
- This team will share common email, social media accounts where the citizens can reach out to share their issues and problems. The information about these platforms, will be advertised in all the schools and colleges as well as the religious centers of the community by holding seminars and gatherings.
- The team of volunteers will be in collaboration with the transport department team, which will make after evaluating all the gathered information.
- The next step would be the Encouragement step. Where we will spread awareness about the project and its benefits for the society by ensuring the involvement of public in the process.
- The volunteers will be provided with appreciation certificates from the education department and the government. It will be a good gesture for the citizens to involve themselves in helping community for a good cause.
- We will consult with the major stakeholders of media in the region. This will help us to promote awareness about the concept of E Scooters in the whole community.

	<p>There may be two possible results of this social action project. One is it will get the appreciation from the relative departments or the 2nd that it will be neglected and disowned. In both the cases, we would be able to achieve our social action targets. And how is that? if we are successful in achieving our targets, we will find a modification or a reform in the transport Department, or if we get failed in this particular social action project, we will get to know about what are the root causes that resist in the way of introducing such initiatives.</p>
<p>Name of the team members and their respective roles.</p>	<p>Project leader: Usama Faizan Muhammad</p> <ul style="list-style-type: none"> ✓ Develop a project plan. ✓ Lead and manage the project team. ✓ Manage deliverables according to the plan. ✓ Organize a project schedule and execute the plans accordingly. ✓ Collect regular updates. ✓ Assign tasks to the team members. ✓ Communication and coordination. <p>Project team members. (Collective roles)</p> <p>1.Fakhra Jaffar Content writer. Reporter</p> <p>2.AbuBakar Paras Financial manager. Photographer.</p> <p>3. Sohail Ahmed Social Media Coordinator.</p>

Collective working.	<ul style="list-style-type: none"> • Contributing to overall project objectives i.e., campaigning for the project awareness and donations. • Documenting the overall achievements and learnings of the project. • Getting and providing expertise. • Completing individual deliverables. • Evaluating the finance and getting donations from the governmental departments as well as the education and transport department
Location in the area of project.	ISLAMABAD
Project date.	Starting date: 11 December 2022 Ending date:
Targeted audience.	They targeted audience will be the youth in general and in particular students and university going students who need transport facility. Also the working class can also avail this opportunity.
Local available resources.	<ul style="list-style-type: none"> ✓ Startups. ✓ National Incubation Centre (NIC). ✓ The Federal government.
How this project will benefit our society?	<p>By building this project, we can introduce a new way of travelling. Also it will help in decreasing pollution. Apart from this, these E – scooters can be driven really easily. I</p> <p>This project will help in introducing people towards electric vehicles and how they can be an active participant in bringing climate neutrality.</p> <p>By introducing people toward energy efficient options and renewable energy resources we can make our youth an active member of global de-carbonization.</p>

Social engagement

1.1 ROOTS RICHMOND CAMPUS, GT Road, Rawalpindi



Roots International Schools & Colleges (abbreviated as **RISC**) is an independent for-profit Pakistani educational institute which is part of Roots School System founded in 1988 by Mrs. Riffat Mushtaq. Roots International schools are established by her son Walid Mushtaq, and are operating 35 campuses in 19 cities of Pakistan.

Its primary school is based on curriculum derived from the UK's National Curriculum and IB Primary Years Programme, while its secondary school education is divided between the local Pakistani curriculum and the Cambridge regulated international GCE O/A levels programs, and IB programs. The school also offers Chinese and German as being a member of Goethe-Institute Pasch schools network. It is a Microsoft mentor status school.

We visited ROOTS International School Richmond Campus near GT Road opposite to DHA, PHASE 2 on October 25th, 2022 and conducted a session during which students were educated about E-mobility, energy citizenship and SDG's. Other than this, unclean production of energy in Pakistan and its consequences were discussed. Question from the students from students were taken and answered by the panel of SDG scouts NUML. After question/answer session we selected 4 ambassadors for our

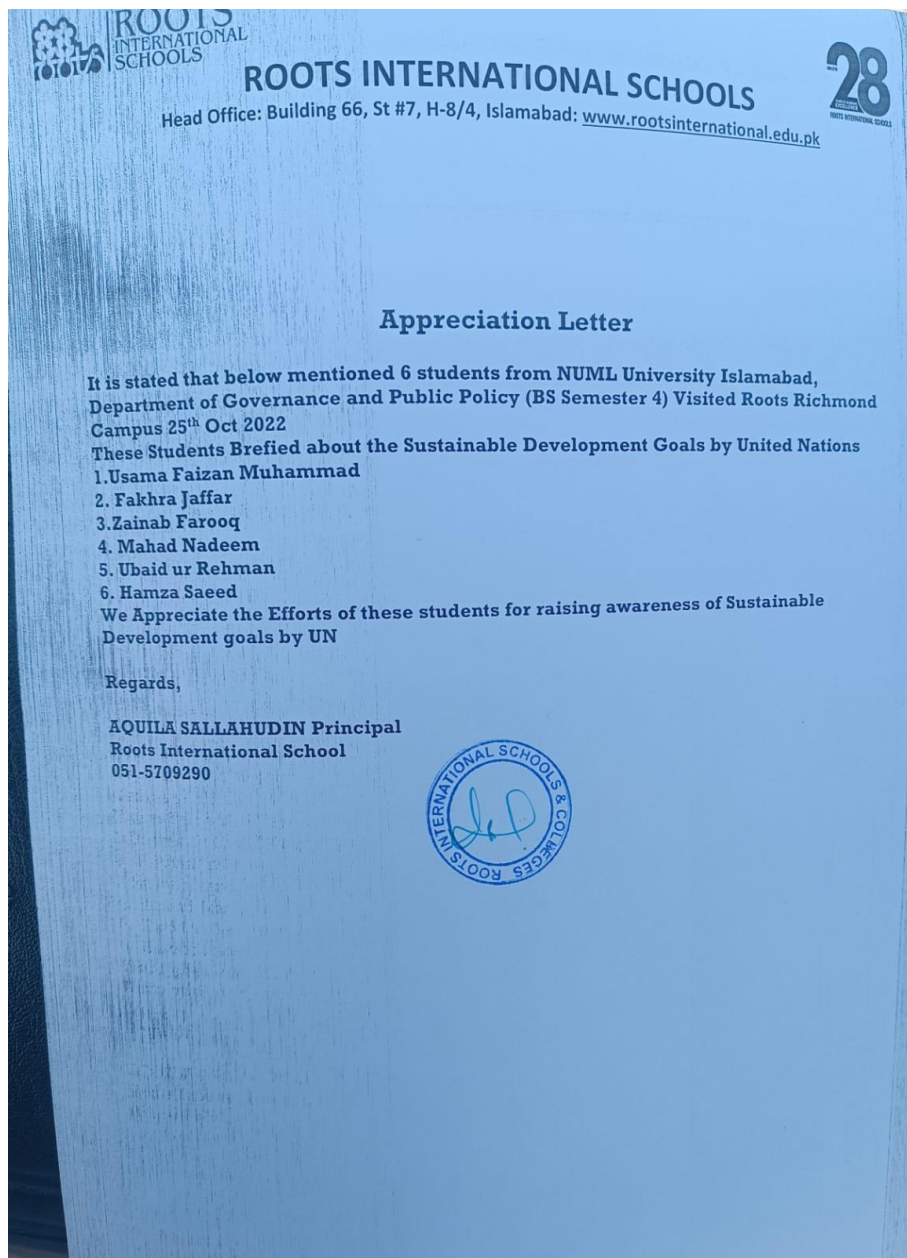
social action project for Roots International School, their names were Mehriz Ahmed, Muhammad Ibtehaj, Aman Ashfaq and Rania Bilal

PICTUES FROM THE VISIT OF ROOTS RICHMOND CAMPUS



Roots International Schools and Colleges Richmond Campus appreciated our efforts in regards of awareness , training and educating the people and especially youth of Pakistan regarding Emobility and Energy Citizenship with an appreciation letter.

APPRICIATION LETTER BY ROOTS INTERNATIONAL SCHOOLS



1.2 RIPHAH INTERNATIONAL UNIVERSITY, G-7/4, ISB

Riphah International University (رفاه انٹرنیشنل یونیورسٹی) is a private university in Pakistan, chartered by the Federal Government of Pakistan in 2002. It is sponsored by the not-for-profit Islamic International Medical College Trust (IIMCT). The first project of the IIMCT was the Islamic International Medical College in Rawalpindi, established in 1996 by its founding Managing Trustee, Zulfiqar Ali Khan. The university has 14 constituent units and an overseas project, the RAK College of Dental Sciences, in the United Arab Emirates.



RIPHAH UNIVERSITY, BLUE AREA CAMPUS

On October 23rd, 2022, we paid a visit to Riphah International University campus near blue area, Islamabad. We held a session in which the team E-mobility and energy citizenship trained and educated a large number of students on benefits of using electric vehicles and how they can be an energy citizen.

Following the presentation, a question/answer session was held in which students from Riphah International University participated in significant numbers, providing us with valuable experience speaking in front of a big group of pupils.

After the question and answer session, we chose two ambassadors for our social action initiative for Riphah International University: Asfandyar Baig and Habib Ullah.

1.3 International Islamic University

The **International Islamic University, Islamabad**, or **IIUI**, (Arabic: الجامعة الإسلامية, Urdu: بین الاقوامی اسلامی یونیورسٹی اسلام آباد, العالمية إسلام آباد) is a public research university located in Islamabad, Pakistan. It was established in 1980 and restructured in 1985, and remains a valuable source for Higher Education in Pakistan. The university is regularly listed among the most recognized universities and prestigious degree awarding institutions of Pakistan by the Higher Education Commission of Pakistan. The university ranks joint second in the 2022 top university rankings of Times Higher Education World University Rankings in Pakistan. It also constantly ranks among the best universities in the country for the general category by Higher Education Commission of Pakistan.



INTERNATIONAL ISLAMIC UNIVERSITY ISLAMABAD

We visited International Islamic University on October 28, 2022 and had a fruitful conversation with the students there. We organised a session where the E-mobility and energy citizenship team trained and informed a sizable number of students about how Pakistan's dirty energy production and cars that run on gasoline are affecting our lives,

and educated students about the possible ways of becoming an energy citizen and aware students about benefits of using electric vehicles.

After the presentation, there was a question-and-answer period in which many students participated, and SDG scout panel answered their questions.

After the question-and-answer period, we chose Barkat Nawaz and Sana Ullah as ambassadors to represent International Islamic University in our social action initiative.



PICTURES FROM THE VISIT OF IIUI

1.4 Alama Iqbal Open University Islamabad

Allama Iqbal Open University is a public university in Islamabad, Pakistan. It is named after Allama Iqbal. The university is the world's second largest institution of higher learning, with an annual enrolment of 1,121,038 students (as of 2010), the majority are women and course enrolment of 3,305,948 (2011). Students can gain admission in

Matriculation, Intermediate, Bachelor, Master, MPhil and Ph.D. programmes at the university.



Allama Iqbal Open University

Team SDG Scouts for Emobility & Energy Citizenship visited Alamma Iqbal Open University on October 31, 2022, The team explained to the officials the project's goal, which is to inform, educate, and train the general public, particularly the youth, about the advantages of using renewable energy sources and electric vehicles to protect the environment. Unfortunately, due to the busy schedule of the university, we were only able to conduct an awareness walk at Allama Iqbal Open University. Numerous students were encountered, and we taught, informed, and made them aware of the advantages of



adopting renewable energy sources and electric vehicles to provide clean energy and a greener world.



PICTURE FROM AIOU VISIT

1.5 Institute of Cost and Management Accountants of Pakistan

A professional accounting organisation that offers training and certification in management accounting is the Institute of Cost and Management Accountants of Pakistan (ICMAP).

The Cost and Management Accountants Act, 1966 gives the Institute of Cost and Management Accountants of Pakistan legislative standing for the regulation of the profession of Cost and Management Accounting. The institute was founded in 1951. Confederation of Asian and Pacific Accountants (CAPA), International Accounting

Standards Board (IASB), and South Asian Federation of Accountants (SAFA) all recognise ICMAP as a full member (SAFA).



PICTURE FROM ICMA, H-9 CAMPUS ISLAMABAD

We visited the Institute of Cost and Management Accountants of Pakistan, H-9 Islamabad, on November 3, 2022, and we had a fruitful conversation with the students there. We organised a session where the E-mobility and energy citizenship team trained and informed a sizable number of students about how Pakistan's dirty energy production and cars that run on gasoline are affecting our lives. Educated the students of ICMA about how they can be an energy citizen. After the presentation, there was a question-and-answer session in which a sizable number of students from the Institute of Cost and Management Accountants of Pakistan participated, giving us invaluable practise presenting in front of a sizable class of students.

Following the Q&A session, we selected two ambassadors for Rania Asad and Zulfiqar.



PICTURE FROM VISIT OF ICMA, H-9 CAMPUS, ISLAMABAD

1.6 TAMEER-I-WATAN PUBLIC COLLEGE RAWALPINDI.





PICTURE FROM THE VISIT OF TAMEER-I-WATAN, 6TH ROAD, RWP

TAMEER-I-WATTAN Public School & College was established in May, 2007 with the aim of providing quality education at affordable expenses. Its standards are designed to prepare the students to meet the challenges of the nation. Its standards are designed to prepare the students to meet the challenges of the nation. The objective is to develop leaders and visionaries who would lead the nation to prosperity, progress and development. The institution provides a healthy and competitive environment for the development of academics and professional skills of the student through an elaborate system of interactions with faculty and different cadet colleges. The institution is committed in providing a highly competitive and a peaceful environment that promotes hard work, discipline, learning, leadership and professionalism. Their focus on providing qualitative facilities bearing in mind need analysis and expectation of every student. The unique academic acumen of both are great educationists Malik Muhammad Saeed and Madam Halima Saeed gave spur to the rapid growth of TAMEER-I-WATTAN as an immense organisation with many sub-Institution making TAMEER-I-WATTAN Schools and Colleges.

TAMEER-I-WATTAN campuses: Metro Station, Main Service Road South, G-12, Islamabad, Capital Territory, Building No 782 F-Block 6th Road Satellite-town. Rawalpindi, Pakistan, Sir Syed Street ,Lower, Jinnahabad Abbottabad, Khyber Pakhtunkhwa.

Team SDG Scouts for E-mobility & Energy Citizenship visited TAMEER-I-WATTAN college Building No 782 F-Block 6th Road Satellite-town, Rawalpindi, on December-22-2022, and met with the professor “SUBHAN”. The team explained to the officials the project's goal, which is to inform, educate, and train the general public, particularly the youth, about the advantages of using renewable energy sources and electric vehicles to protect the environment. Unfortunately, due to the busy schedule of the college, we were only able to conduct an awareness walk at TAMEER-I-wattan college. Numerous students were encountered, and we taught, informed, and made them aware of the advantages of adopting renewable energy sources and electric vehicles to provide clean energy and a greener world.

1.7 UNIVERSITY OF INFORMATION TECHNOLOGY

ITU was established in 2012 in order to advance scholarship and innovation in the areas of science, technology and engineering. ITU aspires to emulate the success of Massachusetts Institute of Technology through focus on cross-disciplinary applied research, the cultivation of an entrepreneurial culture in teaching and research, the maintenance of a close collaboration with the Information and Communication Technology industry and the development of strong ties with government funding agencies. ITU aims to serve as a center for excellence in academia, research, entrepreneurship and innovation On December-22-2022, we paid a visit to Information Technology University Rawalpindi and had a good discussion with the students. We held a session in which the team E-mobility and energy citizenship trained and educated a large number of students on how unclean energy production in Pakistan and fuel-powered cars are affecting our lives in the present and future, as well as how they can cope with these issues of climate change, and we discussed about Sustainable development goals (SDGs) with the students of information technology the students of this institute and

further we gave information about benefits of being an energy citizen and how they can be an energy citizen.



PICTURE FROM THE VISIT OF UNIVERSITY INSTITUTE OF INFO. TECHNOLOGY

1.8 PUNJAB LAW COLLEGE RAWALPINDI

Rawalpindi Law College RLC is affiliated with the University of the Punjab. The college started functioning in 1988 but it has gained popularity by leaps and bounds and made its mark among the private law colleges. The mission of Rawalpindi law college (RLC) is to achieve excellence in educating professionals advancing legal scholarship serving the public and fostering justice. We aspire to prepare lawyers to serve the clients, the justice system and the public with a high level of accomplishment and a commitment to the highest ideal of legal profession. Rawalpindi law college (RLC) seeks to be a distinctive and distinguished law college that offers nationally competitive and recognized opportunities for learning, discovery and engagement to the next generation of competent lawyers. Rawalpindi Law College has a good ranking in Pakistan and we met here between professors and students. Team SDG Scouts for E-mobility & Energy Citizenship

visited Punjab law college on December-23- 2022, and met with the Sardar Ahmed Abid vice principal of Punjab law college The team explained to the officials the project's goal, which is to inform, educate, and train the general public, particularly the youth, about the advantages of using renewable energy sources and electric vehicles to protect the environment and team SDGs scouts also spread awareness about sustainable development goals that how we can change our country through these goals and how much important these goals are for the development of our country, and we felt highly honored to have had the chance to discuss our work with college senior faculty and students.



Unfortunately, due to the busy schedule of college we were only able to conduct an awareness walk at Punjab law college Numerous students were encountered, and we taught, informed, and made them aware of the advantages of adopting renewable energy sources and electric vehicles to provide clean energy and a greener world also we aware them about SDGs that what these goals calls for.



1.9 PAKISTAN COUNCIL OF RENEWABLE ENERGY TECHNOLOGES



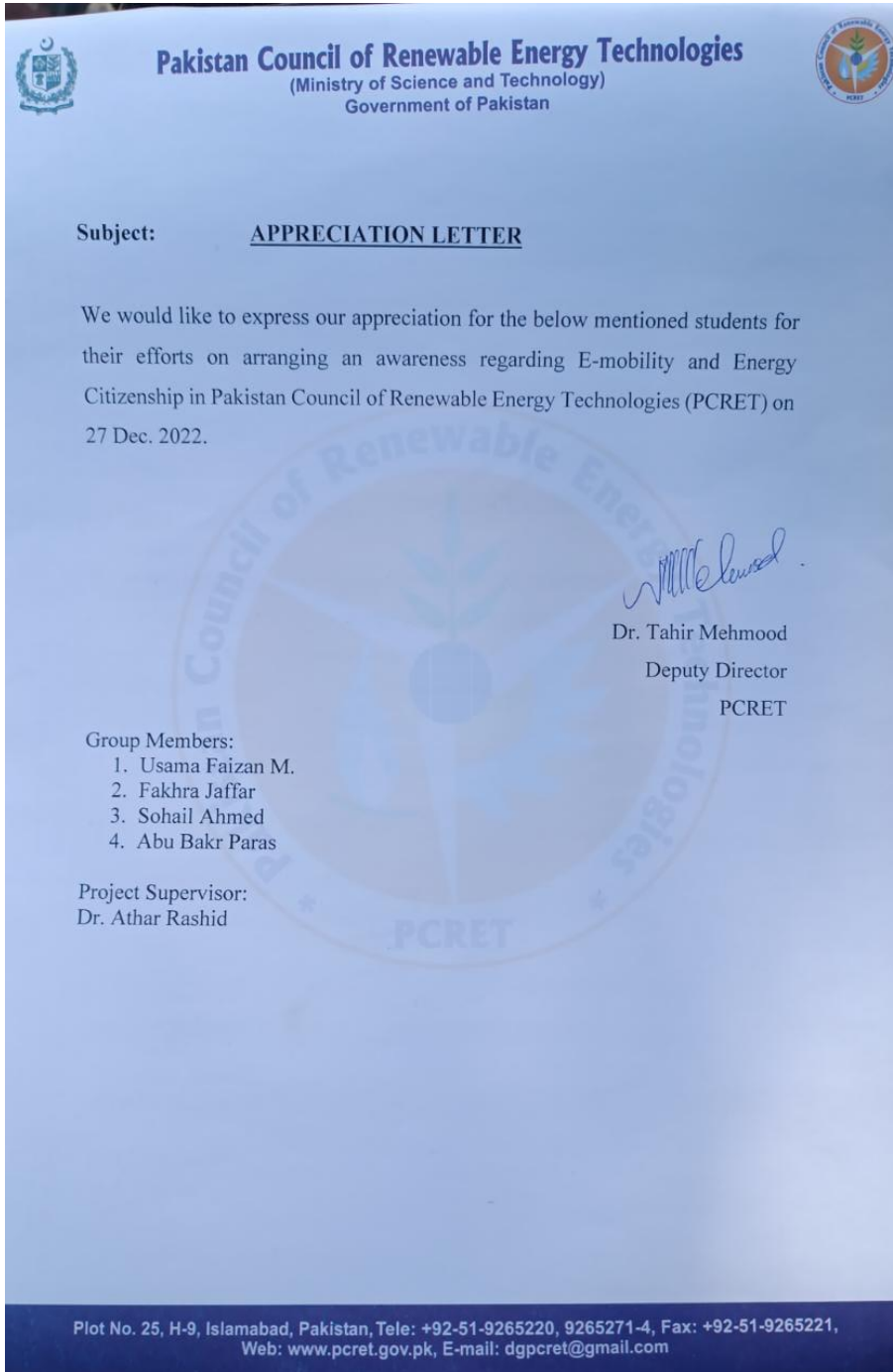
An organisation doing research and development on renewable energy in Pakistan is called the Pakistan Council for Renewable Energy Technologies (PCRET). In a visit to Pakistan council for renewable energy technologies they guided us about , how a Pakistan can be an energy citizen and how they can contribute in not only decreasing the burden of

producing more and more electricity by using solar panels on their homes but they will help the country in overcoming the energy crisis. Further, they recommended to aware people about the use of smart devices like instead of using Old Air conditioners an individual must choose to use Inverter Air conditioners because they consume less energy, they are beneficial for an individual and for the country too.



**PICTURE FROM THE VISIT TO PAKISTAN COUNCIL OF RENEWABLE
ENERGY TECHNOLOGIES**

We had fruitful meeting with the officials and they appreciated our efforts in the regards of awareness campaign regarding SDG's and Energy citizenship with an appreciations letter.



Appreciation letter by Pakistan Council of Renewable Energy Technologies

1.10 PUNJAB GROUP OF COLLEGES , 6TH ROAD

The **Punjab Colleges** (also known as **The Punjab Group** or **PGC**) is a group of colleges active in Punjab, Pakistan.

It has its roots in a Commerce College set up by Mian Amer Mahmood. The chairman of PGC network is Mian Amer Mahmood. Now the new Chairman of Punjab Group of college is **Tayyab Mehmood**.

PGC Family consists of Educational Excellence Limited, National Communications Services (SMC-Pvt.) Limited and. Tower Technologies (Pvt.) Limited. National Educational Network (Pvt.) Limited, takes care of franchising Elementary, Secondary and Higher Secondary Education across the country in the form of Schools and Colleges.



PICTUER OF PUNJAB COLLEGE, RWP CAMPUS 6TH ROAD

On December-20-2022, we paid a visit to Punjab Group of college Rawalpindi campus and had a good discussion with the students. We held a session in which the team E-

mobility and energy citizenship trained and educated a large number of students on how unclean energy production in Pakistan and fuel-powered cars are affecting our lives in the present and future, as well as how they can cope with these issues of climate change, and we discussed about Sustainable development goals (SDGs) with the students of Punjab Group of colleges Rawalpindi campus for SDGs and aware them about how they can be an energy citizen and how they can play a rule in clean green environment by choosing electric vehicles for mobility.

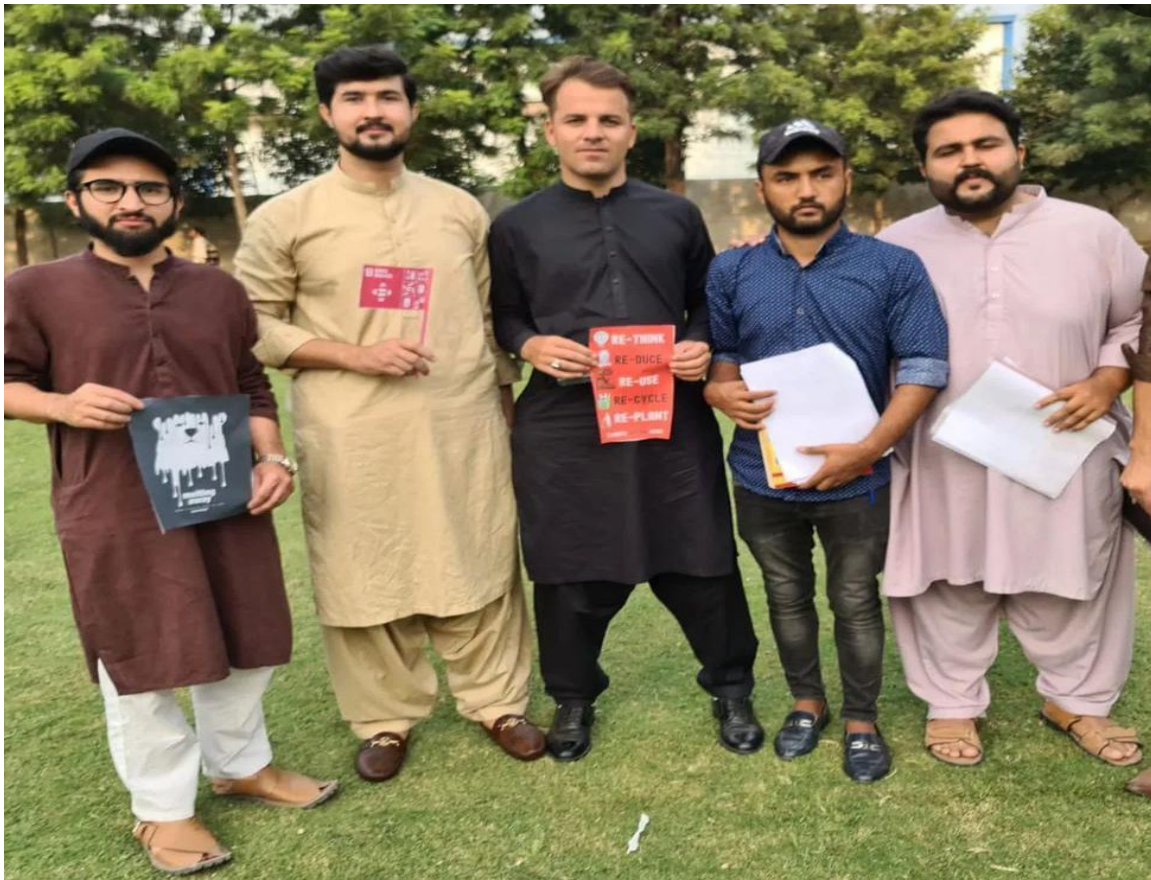


PICTURE OF SDG SCOUTS WITH STUDENT OF PUNJAB COLLEGE, 6TH

ROAD RWP

1.11 Awareness walk in National University of Modern Languages

We Conducted 4 awareness walks in National university of Modern Languages and guided students of our own institute about the Sustainable Development Goals of United nations, Further we aware, trained and educated students regarding how they can be an energy citizen by using smart devices in their homes and using renewable energy resources for their personal (solar panel) and in this way they will be able to contribute in solving the energy crisis of Pakistan as well as they will be contributing in clean and green environment and also gave information and aware students about the benefits of using electric vehicles (EZ-Bike) for mobility inside city.



PICTURE FROM AWARENESS CAMPAIGN IN NUML, MAIN CAMPUS



AWARENESS WALK PICTURES IN NUML-H9



SOCIAL MEDIA AWARENESS CAMPAIGN



PICTURE FROM OUR CAMPAIGN ON INSTAGRAM



Ubaid Jafar



24 Dec 2022 · 🌐

SCOUT GROUP FOR THE SDGs NUML
Afternoon SDGs (1–5) Visited PGC D12
Campus Satalite Town Rawalpindi,
Sustainable Development Goals and Agenda
2030 Awareness to the Students.



👍 Usama Hakeem and 6 others

1 Comment



PICTURE FROM OUR AWARENESS CAMPAIGN ON FACEBOOK

5:14 PM

4G+ 87%

← Posts

social.actionproject_



👍 💬 📍 ... 📌

Liked by **ahmad_arshad_ali** and **11 others**

social.actionproject_ Campus Drive in Numl H-9 campus Regarding SDG's 1-5.

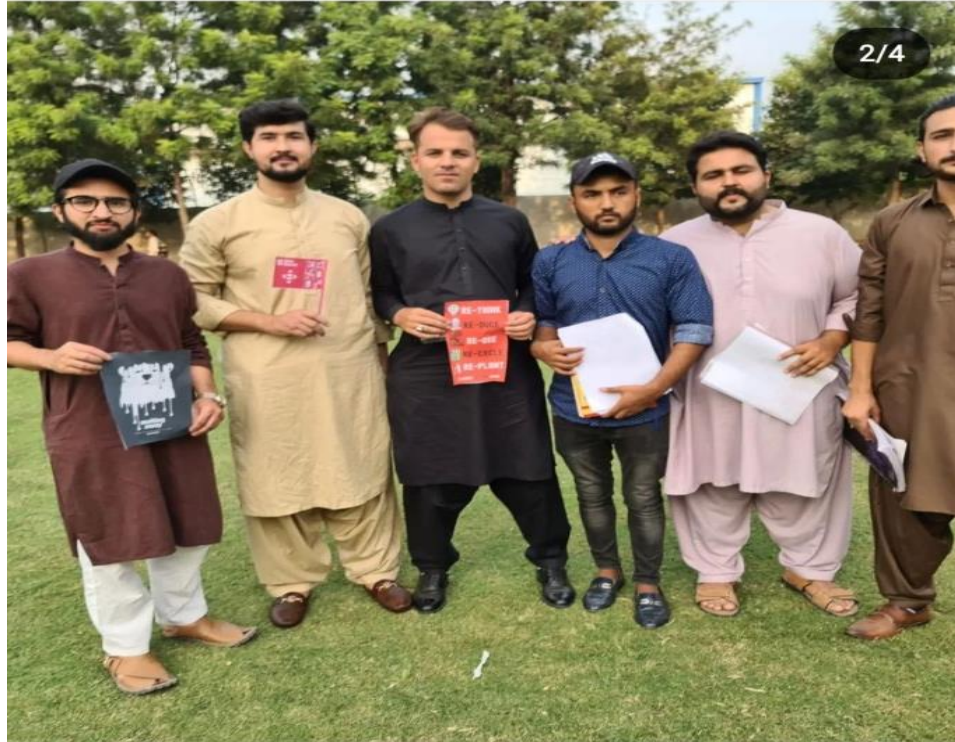
atharrashid1 You guys are doing something amazing, keep going

social.actionproject_ @atharrashid1 😊 thank you so much sir.

PICTURE FROM OUR AWARENESS CAMPAIGN ON INSTAGRAM



social.actionproject_



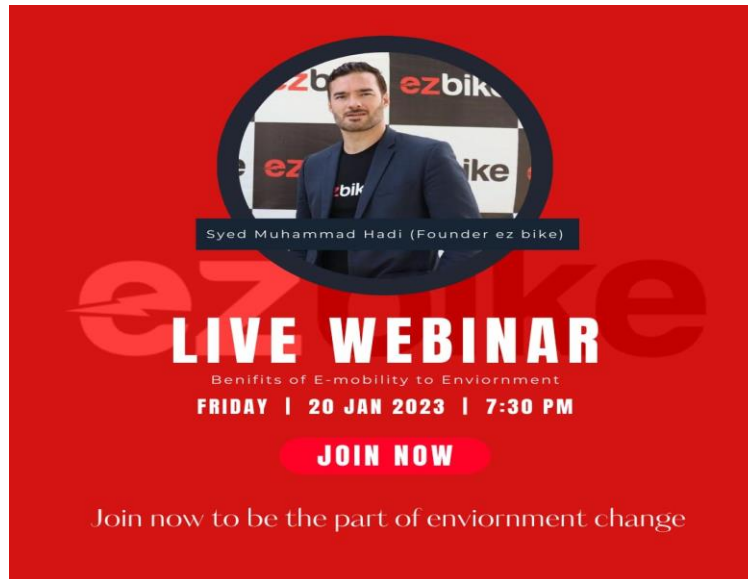
Liked by **ahmad_arshad_ali** and **11 others**

social.actionproject_ Campus Drive in Numl H-9 campus
Regarding SDG's 1-5.

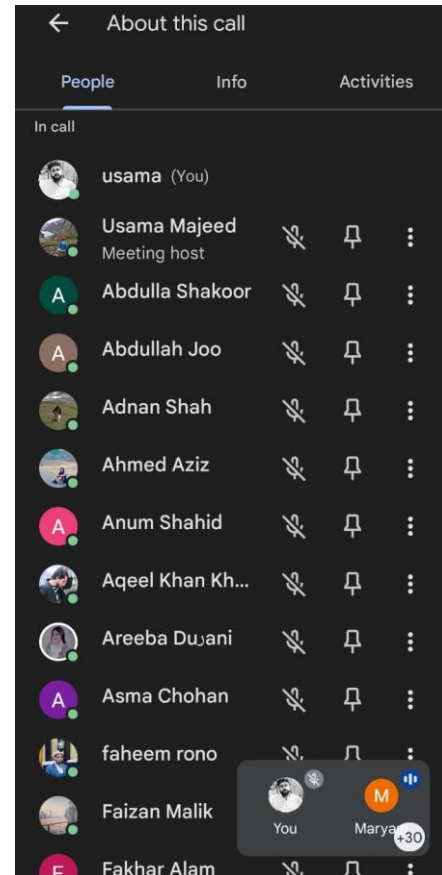
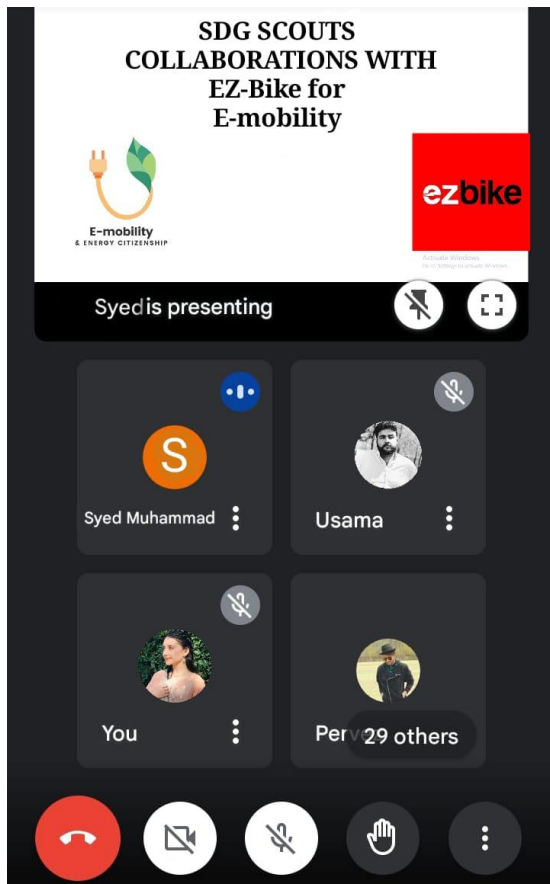
PICTURE FROM OUR AWARENESS CAMPAIGN ON INSTAGRAM

The images shown above serve as confirmation of various social media marketing for the Dr. Athar Rashid-supervised initiative SDG Scouts for Emobility and Energy Citizenship. Both online and offline, the group members were active on social media. Under Dr. Athar Rashid's direction, all project-related activities were continuously updated and promoted in accordance with the platforms that were available.

WEBINAR WITH ON E-MOBILITY



A webinar on "E-Mobility" was successfully performed by the 2022 NUML SDG Scouts BS 4 afternoon Group 1 (SDGs 1-5) on December 30. Syed Muhammad Hadi, one of our presenters, founded EZ-Bike, which is a quick, practical, and environmentally friendly way to get around town. EZ-Bike let their customers enjoy all the benefits of having a bike of your own without the hassle of ownership. Since EZ-Bikes are entirely electric and silent, no one is bothered by users and help make the city cleaner and more tranquil. In addition, the presenters offered a few chances for the audience to seize and work together to ensure their careers in the industry. The webinar had a very positive reaction overall; the audience size was in the range of 30-40 participants. The speakers gave Dr. Athar Rashid a particular thank you for educating young people about E-Mobility and its benefits, and the SDGs.

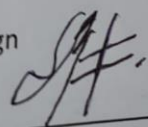


Screenshots of the live meeting

Expenditure Project

<u>PRINT COST</u>	<u>5250</u>
<u>UTILITY BILLS</u>	<u>6200</u>
<u>TRAVELING COST</u>	<u>12000</u>
<u>TOTAL</u>	<u>23,450/-</u>

YASIR PHOTOCOPIER AND STATIONARY HOUSE
 Address: Shop No. 28, G-7 Markaz Islamabad
 Contact # 0346 8524111, Dated: 05 NOV 2022

Description	Qty	Amount
10 certificate	10	150/-
Color Posters	40	1400/-
Total		1550
sign 	Grand Total	1550/-

IPS Islamabad Photostat & Stationer
 Shop No. 05, Block 14-Y, Shehnaz Plaza, F-8 Markaz, Islamabad
 Tel: 051-2744803, Cell: 0333-5380981, 0346-5425308
 E-mail: ghulamshabbir6781@yahoo.com

No. 1198 Date 26/11/22

Name _____

No.	PARTICULARS	Qty.	Rate	Amount
	6 کاپی	6	200	1200
	نوٹسز	20	125	2500
			Total	3,700

26 NOV 2022

E. & O. E. Signature

یوسف شاہ ٹویکیو ڈیلر

نام _____ تاریخ _____

600	—	Juice 10 عدد	(1)
200	—	Tissue paper 4 عدد	(2)
50	—	Gum stick	(3)
240	—	Biscuit 6 عدد	(4)
50	—	Toffes	(5)
1140	—	زیادتی	

1140

زیادتی



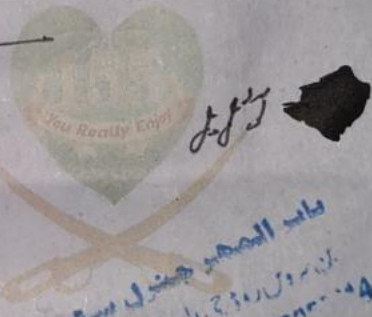
© 0333-52507
Ph: 051-55

کان نمبر 170 ہنری منڈی اسلام آباد کان نمبر 20 غزنی روڈ باغ سرداران

یوسف شاہ ٹوبیکو ڈیلر

تاریخ	نام	تعداد
	Lays	9 عدد (1)
900		
	Biscuits	9 عدد (2)
360		
	watertof	9 عدد (3)
450		
	PEPSI	9 عدد (4)
810		

2520



طاب المصنوعہ فضولی مستورد
 انڈسٹریل روڈ جی ایچ ایچ سڑک
 03427519446

2520

یوسف شاہ

برائے پیشی



03-5250763
 5538396
 مکان نمبر 170 بنی اسلامی آباد کان نمبر 20 غزنی روڈ باغ سردار ماں راولپنڈی

CASH MEMO / BILL

No. _____ Date 22/12

M/s 50

QTY.	PARTICULARS	RATE	AMOUNT	
			Rs.	Ps.
	پانی		730	
	پانی		1320	
	پانی		140	
	پانی		140	
	پانی		130	
	پانی		80	
<p>کان پور 40 ایم بی آرگٹ قورانی ریشورٹمنٹ پلاٹ نمبر 2 نزد MCB بینک ایڈ باربی کیو F-8 اسلام آباد 2287409</p> <p>22 DEC 2022</p>			<p>TOTAL 2540</p>	
Goods once sold will not be taken back.			Signature _____	



Attock

Cash Memo No. **27733**

Islamabad Filling Station

Company Operated

Plot # 38, G-11 Markaz, Islamabad. Ph: 03169329627

Name M-ABUBAKAR

Date 22/12/20

Vehicle No. _____

Particulars	Quantity	Rate	Rs.	Ps.
XTRON	3			
Petrol			2000	
Diesel				
Lubricant				
Service		50		
Miscellaneous				
TOTAL			2000	

Suggestion/conclusion

- In order to produce a notable effect by EV development actions, it is necessary to introduce as many EVs as possible. For this, medium- and long-term policies on EVs should be carried in the coordination among the related agencies and organizations. Besides the central government, there are many other stakeholders whose opinion must be sought, including those groups which may be affected negatively by the introduction of EVs. Therefore, EV development should be included in the national policy to effectively promote the implementation of related projects and actions. Furthermore, showing concrete EV policy in the short, medium, and long term can help clarify the direction of relevant agencies, and facilitate the sharing of the progress of the policy among these agencies.
- According to the idea of energy citizenship, individuals must participate in the energy transition not just financially via their choices regarding energy investment and consumption, but also politically and socially through their ability to influence the energy system.
- When contemplating the energy poor, it is especially important to reevaluate energy citizenship beyond the contribution to the individual realm through the encouragement of a social type of activity. Particularly, the unequal distribution of resources, supported by a lack of identification and representation of energy demands in pertinent decision-making processes, may keep the energy poor from participating in the energy transition as consumers. The people who are most directly impacted by injustices need to be given the authority to decide how to attain these goals if the energy transition is to also aim for fairness and equity.
- As a result, an empowerment process that eases the journey from passive consumerism to active energy citizenship has to be catalyzed.

Sustainability Plan

According to our project's sustainability plan, we will continue working on it in 2023 and beyond. A copy of our plan for 2023 is included below. Our initiative will be extended to Punjab and Sindh, where our main areas of attention are the districts most affected by pollution and experiencing a power crisis. We will conduct awareness efforts in this area and educate the populace, particularly the youth, about energy citizenship. In order to collaborate and ensure the project's long-term viability, we will also visit government agencies and other NGO's. We've listed our plan for 2023 below;

CALENDER 2022-23

EMOBIITY AND ENERGY CITIZENSHIP

Subtitle

TENTATIVE EVENT CALENDAR OF SDG SCOUTS FOR BLUE & GREEN ECONOMY AND



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3

4	5	6 CAMPUS DRIVES QAU ON SDGs	7 Webinar 1 session on SDGs	8	9 Visit NUST session on SDG 1-5	10
11	12 Awareness VISIT RIPHA UNI on SDGs 1-	13 Awareness Visit to KIPS COLG on E	14 Awareness Visit NDU	15 Visit Roots I9 Session on SGDs1-5	16	17
18	26 Awareness VISIT RIPAH UNI	20	21	22	23	24
25	26 VISIT NIMA IN BAHRIA UNI	27	28 Awareness Visit to Rawal Dam on E	29	30 Webinar SDGs 1-5	31

FABRURY

2023

202

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			Visit to PGC D12 Campus	1	2 Visit to PGC Commercial Market	3
4	5	6 Webinar 2 session on E Mobility	7	8	9 Visit to PGC Blue Area	10
11	12	Webinar 3 session on SDGs	14	15 Campus Drive in AIOU	16	17
18	19	20	21 Webinar 4 session on Blue and	22	23	24
25	26	27 Visit to Muslim Youth Uni	28	29	30	31

MARCH

2023

Subtitle

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			Awareness visits in Trail 5	1	2	3
4	5 Awareness visits in Lake view park	6	7 Awareness visits in Trail 3	8	9	10
11	12	13	14 Awareness visits in Trail 4	15	16 Awareness visits in F 9 Park	17
18	19	20 Awareness visits in Yasmeen Park	21 Awareness visits in Trail 1	22	23 Awareness visits in Iqbal Park	24
25	26 Awareness visits in Ayyub Park	27	28 Awareness visits in Trail 2	29	30	31

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MARCH

2023

Subtitle

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			Webinars & Seminars Whole Month	1	2 Session on E Mobility	3
4	5 Se	6	7	8	9	10
11	12 Session on E Mobility	13	14	15	16 Session on E Mobility	17
18	19	20	21	22	23	24

	Session on E Mobility		Session on Energy citizenship		Session on Energy citizenship	
25	26	27	28	29	30	31



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	Session on Blue and Green			1	2 Session on Blue and Green	3
4	5 Session on Blue and Green	6	7 Session on Blue and Green	8	9	10
11	12	13	14	15	16	17

	Session on Blue and Green			Session on Blue and Green		
18	19 Session on Blue and Green	20 Session on Blue and Green	21	22 Session on Blue and Green	23	24
25	26 Session on Blue and Green	27	28 Session on Blue and Green	29	30	31



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	VISIT ON KHAN POUR DAM			1	2	3
4	5	6	7	8	9	10

		VISIT ON MANGAL DAM	VISIT ON RAWAL DAM			
11	12 VISIT ON LAKE VIEW	13	14	15 VISIT ON FAMILY PARK F8	16	17
18	19 VISIT ON F10/2 PARK	20	21 VISIT ON GREEN PARK IN ISB	22	23 VISIT ON CHILDREN PARK F 10	24
25	26	27 VISIT ON PAKEEZA PARK IN ISB	28	29	30	31

JUNE

2023

Subtitle

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			MIRPUR COLLEGE AND	1 CRESCENT MODEL COLLEGE IN	2	3

4	5 PGC MIRPUR NEW CITY	6	7 MIRPUR PUBLI HIGH SCHOOL	8	9	10
11	12	13 EDEN CLG AND SCH MIRPUR	14	15	16 PIPS MIRPUR CAMOUS	17
18	19 MUST IN MIRPUR	20	21	22 KASHMIR MODEL COLG	23	24
25	26	27 FAUJI FOUNDATION COLG	28	29 UKCEL MIRPUR	30	31

JULY

2023

Subtitle

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3

	SUMMER VACATION	GB SCHOOL AND COLLEGE				
4	5	6	7 NOBEL SCHOOL GB	8	9	10
11	12	13 PUBLIC SCHOOL GB	14	15	16	17
18	19 CENTRAL PUBLIC SCH GB	20	21	22 APS GB	23	24
25	26	27	28	29	30 KIU GB	31

AUGUST

2023

Subtitle

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
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	SUMMAR VACATION	TAUNSA SHARIF ALL		1	2	3
4	5	6	7 PGC TAUNSA SHARIF	8	9	10
11	12 FRIEND ACADEMY TAUNSA	13	14	15 KIPS COLLEHE TAUNSA	16	17
18	19	20	21 AL FURQAN SCHOOL	22	23 BOYS DEGREE COLG	24
25	26 GHAZI UNIVERSITY	27	28 SOUTH PUNJAB UNI CAMPUS	29	30	31

SEPTEMBER

2023

Subtitle

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2 VISIT ON MARITIME AFFAIR	3
4	5 VISIT ON MARITIME ACADEMY	6	7	8 VISIT ON NIMA BAHRIA	9	10
11	12	13 VISIT ON PAK CHINA EXPO CENTER	14	15	16	17
18	19	20	21	22 VISIT ON CPEC CENTER	23	24
25	26	27 VISIT ON RENEWABLE ENERGY	28	29 MEET UP HASSAN BUTT SHB	30	31

OCTOBER

2023

Subtitle

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1 VISIT ROOTS RICH MAN CAMOUS	2	3
4	5	6 VISIT ROOTS I8	7	8	9	10
11	12 VISIT IIUI	13	14	15 VISIT AIOU H8	16	17
18	19 VISIT IQRA UNI	20	21 VISIT ICMA	22	23 VISIT ARID UNI	24
25	26	27	28	29 VISIT INFORMATION TECHNOLOGY	30	31

NOVEMBER

2023

Subtitle

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4	5	6 ONLINE SESSION WITH TRANSGENER	7	8 CAMPUS DRIVE QAU	9	10
11	12	13	14 ONLINE SESSION WITH SIR	15	16	17
18	19 Online session with c prof Babar	20	21	22	23 VISIT AIR UNIVERSITY	24
25	26	27	28 CAMPUS DRIVE BAHRIA UNI	29	30 CAMPUS DRIVE NUML PINDI CAM	31

DECEMBER

2023

Subtitle

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1 VISIT FMC ISB	2	3
4	5 UCI ISB	6 BAHRIA COLLEGE ISB	7 IQRA COLLEGE IN IIUI	8 FAST ISB	9 COMSATS UNI ISB	10
11	12	13 VISIT INSTITUTE OF SPACE	14	15 PAKISTAN INSTITUTE OF ENGINEERING	16	17
18	19	20	21	22	23 FOUNDATION UNIVERSITY SCHOOL	24
25	26 UET TAXILA	27	28 VISIT MARITIME AFFAIR	29	30 H8 COLLEGE ISB	31

