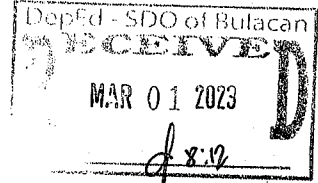




Republic of the Philippines  
Department of Education  
OPERATIONS



03/02/2023  
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ROWENA T. QUIAMBAO, CESE  
Asst. Schools Division Superintendent  
Officer-In-Charge  
Office of the Schools Division Superintendent  
SCHOOLS DIVISION OF BULACAN

OASOPS No. 2023-024

MEMORANDUM

TO : ALL REGIONAL DIRECTORS

FROM : Atty. REVSEE A. ESCOBEDO  
*Undersecretary for Operations*

*Francis Cesar B. Bringas*  
FRANCIS CESAR B. BRINGAS  
*Assistant Secretary for Operations*

SUBJECT : Call for Host Schools of the ASEAN Data Science Explorers Enablers Sessions

DATE : February 27, 2023

DepEd - SDO of Bulacan Office of the SDS



By: *[Signature]*  
Time: *9:25*

This Office respectfully endorses the attached memorandum from Director Margarita Consolacion C. Ballesteros, International Cooperation Office, regarding the call for host schools of the ASEAN Data Science Explorers (ASEAN DSE) Enablers Sessions.

The ASEAN DSE is a regional data analytics competition that has been implemented by the ASEAN Foundation in partnership with SAP since 2017. It is aimed to develop data-driven findings and recommendations highlighting social and economic issues. Likewise, the ASEAN DSE Enablement Sessions are conducted to help aspiring participants prepare for the annual competitions, which discusses SAC and data analytics.

For further information regarding the aforementioned, kindly visit [https://bit.ly/ADSE\\_IHL-HS-Enablement](https://bit.ly/ADSE_IHL-HS-Enablement). Likewise, please see attached files for further information.

For other inquiries and concerns, kindly contact the International Cooperation Office through [ico@deped.gov.ph](mailto:ico@deped.gov.ph), copy furnished Ms. Hanna Cortes at [hanna.cortes@deped.gov.ph](mailto:hanna.cortes@deped.gov.ph).

For immediate and wide dissemination.



Republic of the Philippines  
**Department of Education**  
EXTERNAL PARTNERSHIPS SERVICE

Office of the Director

ICO-A-DM-1170.02

**MEMORANDUM**

FOR : **REVSEE A. ESCOBEDO**  
Undersecretary for Governance and Field Operations

THROUGH : **FRANCIS CESAR R. BRINGAS**  
Assistant Secretary for Governance and Field Operations

FROM : **MARGARITA CONSOLACION C. BALLESTEROS**  
Director IV

SUBJECT : **Call for Host Schools of the ASEAN Data Science Explorers  
Enablement Sessions**

DATE : February 15, 2022

**Background:**

This has reference to the official communication we received from the Association of Southeast Asian Nations (ASEAN) Secretariat regarding the **ASEAN Data Science Explorer (ASEAN DSE) and the ASEAN DSE Enablement Sessions for higher learning and high schools** which will be **organized by the ASEAN Foundation in collaboration with SAP Data Analytics on February 6, 2023 – April 14, 2023.**

The **ASEAN DSE** is a regional data analytics competition that has been implemented by the ASEAN Foundation in partnership with SAP since 2017. It targets youths aged 15 to 30 taking full-time education to develop data-driven findings and recommendations highlighting social and economic issues across the following six SDGs using the SAP Analytics Cloud:

- SDG 6 – Clean Water and Sanitation
- SDG 7 – Clean and Affordable Energy
- SDG 8 – Decent Work and Economic Growth
- SDG 11 – Sustainable Cities
- SDG 12 – Responsible Consumption and Production
- SDG 13 – Climate Action

The program was also recognized by the ten ASEAN leaders as a creative digital initiative at the 31st ASEAN Summit in 2017 in Manila, the Philippines, and as a digital skills development initiative to prepare ASEAN youth to be future-ready for the 35th ASEAN Summit in 2019 in Bangkok, Thailand.

Meanwhile, **the ASEAN DSE Enablement Sessions** are conducted to help aspiring participants prepare for the annual competitions. The capacity-building sessions

target students, teachers, and lecturers, who are keen to learn about SAC and data analytics. The training is led by SAP employees with expertise in SAC. **These sessions are provided upon request by a specific higher-learning institution or high school.**

In line with this, the ASEAN Secretariat requests the assistance of the Ministries of Education of ASEAN Member States to disseminate information about this initiative to higher education institutions (HEIs) and high schools to spread awareness about the opportunity to host and benefit from the enablement sessions which are being offered for free.

This year, the organizers are allocating thirty (30) slots for higher education institutions, and ten (10) high schools across ASEAN. **The deadline for HEIs and high schools to express their interest in hosting the enablement sessions is on February 28, 2023.**

#### **Clear Statement of Request and Recommended Action**

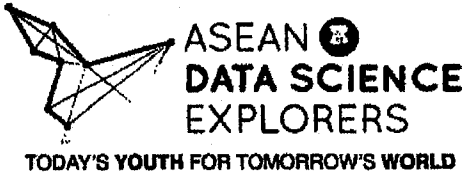
In this regard, the ICO requests the assistance of the Your Honor's Office in disseminating information on the call for the hosting of the ASEAN DSE Enablement Sessions by sharing the program's official poster which is attached to this communication.

Attached herewith is the Terms of Reference of the ASEAN DSE and the official letter from the ASEAN Foundation for reference. **It would be highly appreciated if the information on this matter is shared with the regional offices at Your Honor's earliest convenience.** For clarification or further coordination on the matter, you may reach the International Cooperation Office through [ico@deped.gov.ph](mailto:ico@deped.gov.ph) and copy furnish Ms. Hanna Cortes at [hanna.cortes@deped.gov.ph](mailto:hanna.cortes@deped.gov.ph).

Thank you very much.

#### **Attachments:**

Terms of Reference – ASEAN DSE  
Official Letter from the ASEAN Foundation  
Official Poster for the ASEAN DSE



Organised by:



ASEAN FOUNDATION

#ASEANDSE #SAP4GOOD

# Calling for Institutes of Higher Learning and High Schools

to Host ASEAN Data Science Explorers 2023  
Enablement Sessions  
(SAP Analytics Cloud training sessions)!

Click the following link for more details:

[bit.ly/ADSE\\_IHL-HS-Enablement](https://bit.ly/ADSE_IHL-HS-Enablement)

If interested, please send an expression  
of interest to [aseandse@aseanfoundation.org](mailto:aseandse@aseanfoundation.org)  
by 28 February 2023



**ASEAN FOUNDATION**

The ASEAN Secretariat Heritage Building 1st Floor  
Jl. Sisingamangaraja No. 70 Jakarta  
Selatan 12110  
Indonesia

[secretariat@aseanfoundation.org](mailto:secretariat@aseanfoundation.org)

10 January 2023

Ref. No.: 004 /AF/I/2023

### **Focal Points of the ASEAN Senior Officials Meeting on Education**

**Subject: Request to disseminate ASEAN Data Science Explorers (ASEAN DSE) enablement session opportunity to institutes of higher learning and high schools**

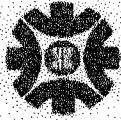
Excellencies,

The ASEAN Foundation in partnership with SAP will organise the virtual ASEAN Data Science Explorers' (ASEAN DSE) enablement sessions from 6 February to 14 April 2023. The enablement session is a data analytics training using SAP Analytics Cloud (SAC) as the main tool. It targets students, teachers, and lecturers across the 10 ASEAN Member States to learn, explore, and get familiar with SAC for data analytics. The session, which is 100% FREE, is also the preparation for the students aged 15 to 30 to participate in the ASEAN DSE competition and for the teachers/lecturers to help mentor their students to participate in it.


On that note, it is my honour to request Your Excellency's kind assistance to disseminate the enablement session opportunity with all institutes of higher learning and high schools in Your Excellency's respective ASEAN Member State by 3 February 2023.

To give Your Excellency a little bit background, ASEAN DSE is a regional data analytics competition that has been implemented by the ASEAN Foundation in partnership with SAP since 2017. It targets youths aged 15 to 30 taking full-time education to develop data-driven findings and recommendations highlighting social and economic issues across the following six SDGs: (1) SDG 6 – Clean Water and Sanitation, (2) SDG 7 – Clean and Affordable Energy, (3) SDG 8 – Decent Work and Economic Growth, (4) SDG 11 – Sustainable Cities and Communities, (5) SDG 12 – Responsible Consumption and Production, and (6) SDG 13 – Climate Action, using SAP Analytics Cloud. The programme was also recognised by the ten ASEAN leaders as a creative digital initiative at the 31<sup>st</sup> ASEAN Summit in 2017 in Manila, the Philippines, and as a digital skills development initiative to prepare ASEAN youth to be future-ready at the 35<sup>th</sup> ASEAN Summit in 2019 in Bangkok, Thailand. For further information about the programme, please visit [www.aseandse.org](http://www.aseandse.org).

I am attaching with the letter the Terms of Reference of the enablement session for the institutes of higher learning/high school for Your Excellency's reference. Should Your Excellency have any questions or concerns regarding this request, please do not hesitate to contact Mr. Ilan Asqolani, the Project Manager for the ASEAN Foundation – SAP Joint Initiatives at [ilan.asqolani@aseanfoundation.org](mailto:ilan.asqolani@aseanfoundation.org).



**ASEAN FOUNDATION**

 The ASEAN Secretariat Heritage Building 1st Floor  
Jl. Sisingamangaraja No. 70 Jakarta  
Selatan 12110  
Indonesia

 [secretariat@aseanfoundation.org](mailto:secretariat@aseanfoundation.org)

Your Excellency's support in the dissemination of the enablement session opportunity would help the ASEAN Foundation to reach out to more high school and tertiary students to participate in the ASEAN DSE competition as their starting learning journey in data science and analytics.

Please accept, Excellency, the assurance of my highest consideration.

Yours sincerely,

**Dr. Yang Mee Eng**  
Executive Director

**Copy to: Education, Youths, and Sports Division of the ASEAN Secretariat**

## Terms of Reference

### ASEAN Data Science Explorers (ASEAN DSE) Enablement Session 2023

#### Background

- The ASEAN Foundation and SAP value the importance of partnerships between the public, private, and plural sectors and the role that youths play as next-generation leaders and changemakers to contribute towards sustainable socio-economic developments in 10 ASEAN Member States (AMS).
- The ASEAN Foundation and SAP have built the strategic partnership since 2017. The partnership aims to create positive impact in ASEAN under two strategic pillars: Education and Entrepreneurship. One of the flagship initiatives under the partnership is the ASEAN Data Science Explorers (ASEAN DSE) programme.
- ASEAN DSE is a data analytics programme that aims to enhance awareness and appreciation of the ASEAN community amongst ASEAN youth. The programme also aims to equip ASEAN youth with 21<sup>st</sup> century skills, particularly data analytics skills, which are useful to strive in the digital economy and Industrial Revolution 4.0.
- Since the programme's inception in 2017, it has empowered over 46,000 youths and 2,600 educators across the 10 AMS with data analytics skills and 21<sup>st</sup> century skills.
- There are two segments of ASEAN DSE programme: (1) data analytics competition and (2) enablement session (training session on SAP Analytics Cloud).
- ASEAN DSE competition is open to any youths with the age of 15 to 30 years old undertaking full-time education across the 10 AMS. Participants must be nationals of ASEAN member countries only. By using SAP Analytics Cloud (SAC), the youths participating in the competition are required to develop a storyboard comprising data-driven insights and recommendations which can address socio-economic issues across the six United Nations Sustainable Development Goals: (1) SDG 6 – Clean Water and Sanitation, (2) SDG 7 – Affordable and Clean Energy, (3) SDG 8 – Decent Work and Economic Growth, (4) SDG 11 – Sustainable Cities and Communities, (5) SDG 12 – Responsible Consumption and Production, (6) SDG 13 – Climate Action. Further information about ASEAN DSE competition, including participant eligibility, can be found on [www.aseandse.org](http://www.aseandse.org).
- ASEAN DSE enablement session is a training session aimed to learn about SAC and its functionalities. It is organised prior to and during the ASEAN DSE competition's call for applications.
- The ASEAN Foundation is inviting all institutes of higher learning (universities, polytechnics, colleges) and high schools in the 10 ASEAN Member States to host the enablement session for their students, teachers, and lecturers. This enablement session is **FREE OF CHARGE**. Any institute of higher learning and high school keen to host the enablement session is required to send email to: [aseandse@aseanfoundation.org](mailto:aseandse@aseanfoundation.org) by 28 February 2023, expressing the interest to host the session.

#### Objectives

The enablement session aims to:

- Get students, teachers, and lecturers familiar with SAC as one of the platforms for data analysis and analytics which they can use for their academic and non-academic purposes
- Allow students, teachers, and lecturers to explore data analytics skills and other relevant skills (critical thinking, analytical thinking, and problem-solving skills) using SAC

- Encourage eligible students to participate in ASEAN DSE competition: [www.aseandse.org](http://www.aseandse.org)
- Encourage teachers and lecturers to be the mentors for their students to participate in ASEAN DSE competition
- Promote ASEAN awareness among students, teachers, and lecturers across the ASEAN region

### **Details**

- The enablement session targets students, teachers, and lecturers, who are keen to learn about SAC and data analytics
- The enablement session is led by an SAP employee having expertise in SAC
- Each session is conducted for about 4 – 5 hours with breaks
- 5 shared SAC accounts will be provided for all participants during the session with validity until 31 December 2023
- The session is conducted for 30-40 participants (students and teachers/lecturers)
- The host institution is required to select some out of the 30-40 participants to be the facilitators of the same enablement sessions (post-enablement sessions) for at least 200 students to be completed by 30 April 2023.
- Some participants who are appointed as the facilitators of the post- enablement session(s) will be provided with certificates of achievement as facilitators, issued by the ASEAN Foundation and SAP. Each of them will also be given a **dedicated access to SAC for FREE**. Normally the access costs appr. USD 21/month

### **What to be provided by an Institute of Higher Learning/High School to host the enablement session?**

- Prepare a link to an online meeting platform (Zoom, Google Meet, Microsoft Teams, etc.) to host a 4 to 5-hour virtual enablement session. Providing that the enablement session is organised onsite, a room for 30-40 persons with necessary ICT equipment (LCD projector) and Wi-Fi connection must be provided.
- Ensure that 30-40 participants have access to the Internet connection to access SAC throughout the entire enablement session
- Ensure that each participant has access to a laptop or PC throughout the whole session
- **A MANDATORY COMMITMENT LETTER** signed by a relevant university faculty member (dean/vice dean, president/vice president, rector/vice rector, or head of department) or school principal, highlighting the institute's or high school's commitment to conduct post-enablement session(s) for a minimum of 200 students by 30 April 2023 AND commitment to promote ASEAN DSE competition to their all students.

### **Benefits of Hosting the Enablement Session**

- Free-of-charge virtual or onsite enablement session by SAP top trainers in the region
- Opportunity for participants to explore SAC, a user-friendly data analytics platform, to analyse data
- Opportunity for participants to practice hands-on exercises on data analytics with SAC
- Opportunity to learn SAC further independently through an open SAP learning platform after the enablement session. The SAC can be utilised for data analysis/analytics for academic and non-academic purposes



- Free, dedicated access to SAC for any students or lecturers able to carry out post-enablement session(s). Normally the access costs appr. USD 21/month per user
- 200++ free, dedicated access to SAC for 200++ students when these students participate in the post-enablement session(s) and register for the ASEAN DSE competition
- Host's logo to be featured on the competition website: [www.aseandse.org](http://www.aseandse.org)

#### **Timeline (Tentative – Subject to change)**

- 6 February 2023 – 31 March 2023: Enablement sessions with all committed and confirmed institutes of higher learning/high schools (specific dates will be informed later and dependent on availability of SAP trainers)
- February – April 2023: Post-enablement session(s) for at least 200 students conducted by each committed and confirmed institute of higher learning/high school

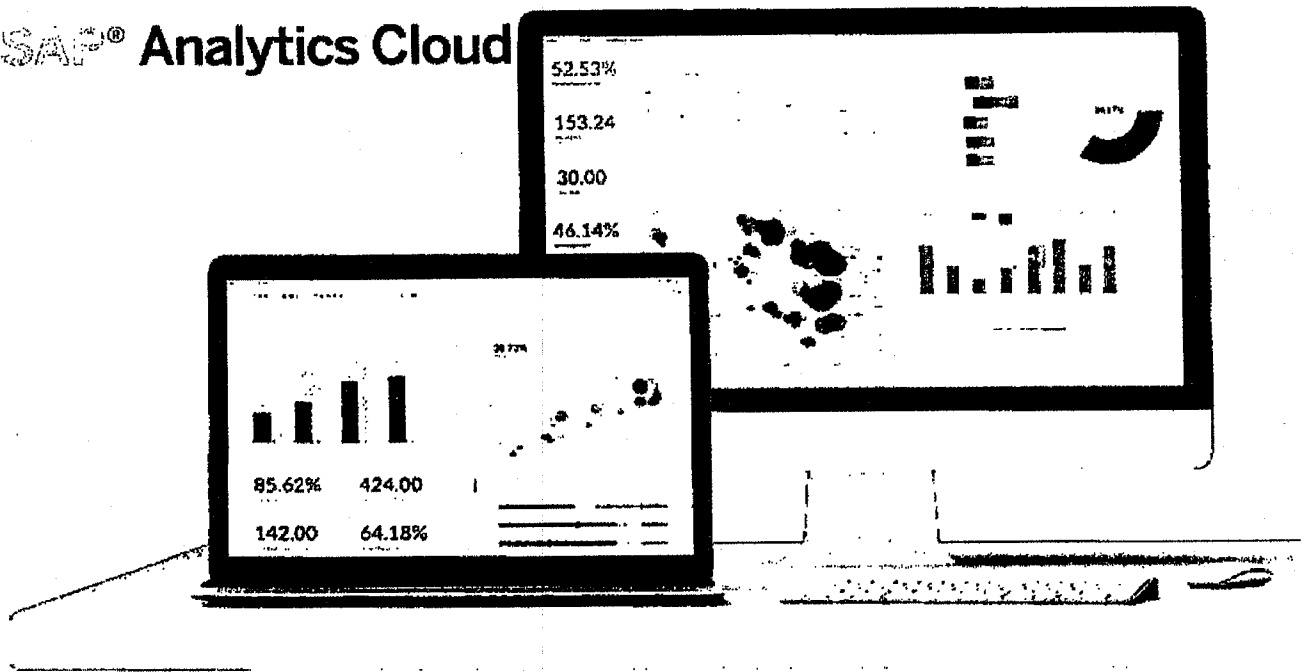
#### **Slot Availability**

This year we will only accept **30** selected IHLs/High Schools hosting the enablement sessions.

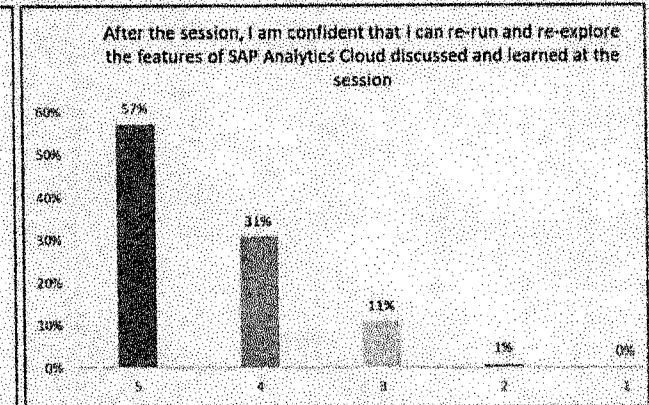
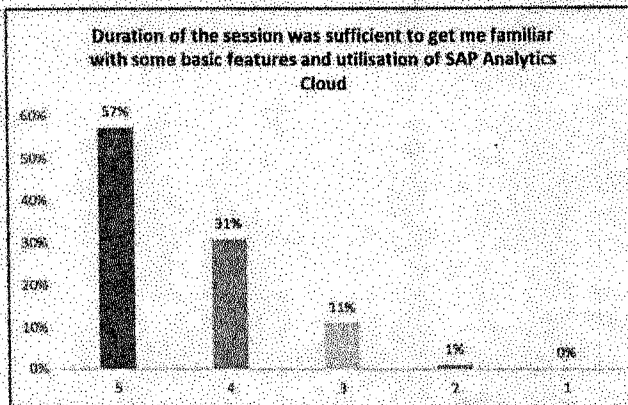
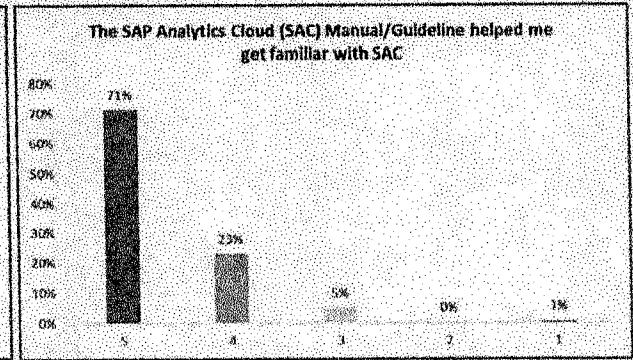
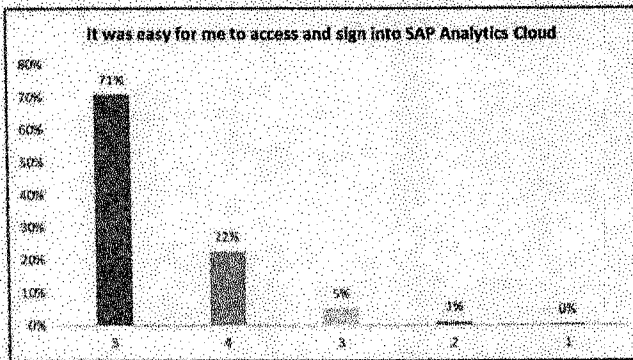
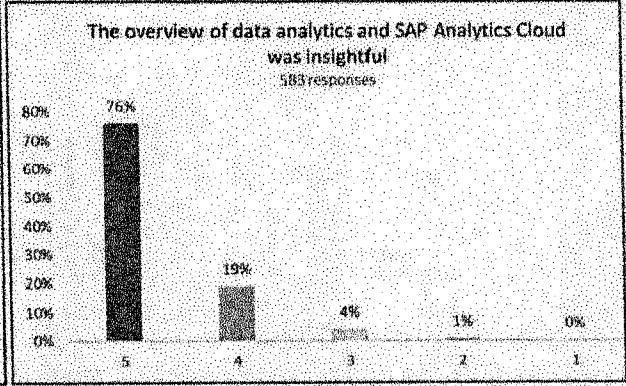
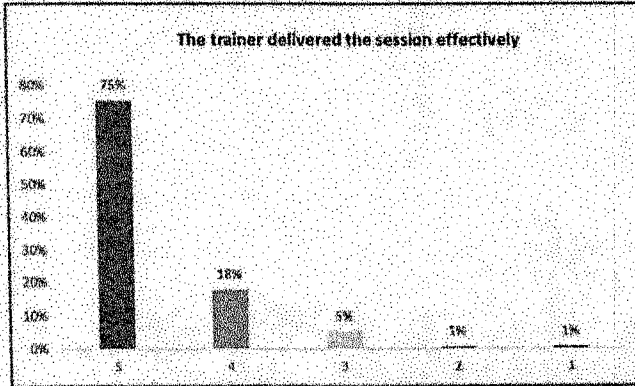
### About the Technology

The SAP Analytics Cloud, formerly known as the SAP BusinessObjects Cloud, is a new generation of software as a service (SaaS) that redefines analytics in the cloud by providing business intelligence (BI), predictive, and planning capabilities in one solution. With the software, participants will be able to analyse data and come up with plausible recommendations. Check out the ASEAN DSE competition website to access tutorials and latest webinars to give you a better understanding of the software.

**SAP® Analytics Cloud**



**Enablement Session 2022: Facts and Stats (involving 583 participants)**





Sustainable Cities  
UN Sustainable  
Development Goal #11

Q3 Summary

Total Revenue

Revenue for Actuals Actual  
in M USD

1,840

Cost of Goods Sold

Cost of Goods Sold for Actuals  
in M USD

1,426

Operating Income

Operating Income for Actuals  
in M USD

120.4

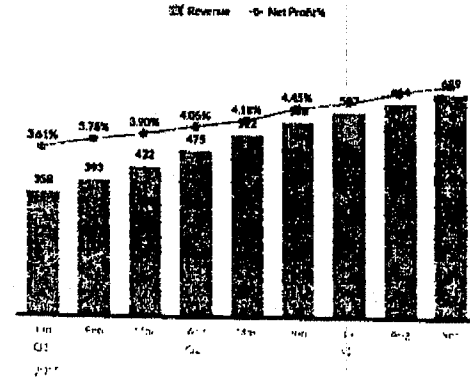
Operating Income

Net Profit for Actuals Actual  
in M USD

87.76

Financial performance Overview

Net Profit%, Revenue per Time for Actuals Actual  
in M USD, 30 Time Filter

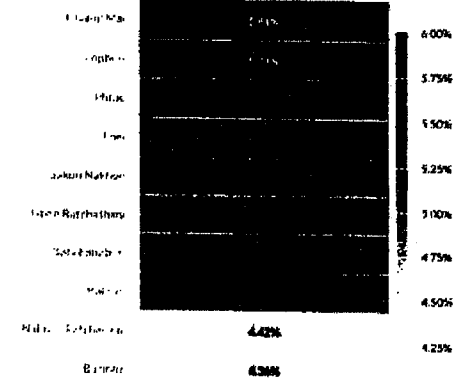


Present Situation

Energy is the engine for growth and development and the rapid modernization of infrastructure and economy.

Top10 Regions by Net Profit%

Net Profit% per Region for Actuals Actual  
in M USD, 2 Filters applied: Top 10



Location (RASK) & Location2 (Load Factor, RASK)

