AWS Educate | *SIH 2020* Hackathon Kit Onboarding Guide

The Hackathon Kit

AWS and Smart India Hackathon (SIH) 2020, aims to provide a platform to help institutions and students explore the power of AWS and build innovative solutions. Through the AWS Educate Classrooms, you are now able to provide access to AWS services along with cloud credits, to help students innovate and build solutions on the problem statements of SIH 2020.

Institutions can use this feature to conduct their internal hackathons and utilize the benefits of a pre-configured AWS Educate classroom with access to AWS console and US$ 200 cloud credits for each student for the SIH classroom. Student can use AWS services to build their solutions and the faculty can invite upto 300 students per institution, to participate in their hackathon using this feature.

Onboarding Guide for *SIH 2020* Spocs

Step 1	Login to the SIH2020 portal as a registered institution SPOC (https://www.sih.gov.in/signin)
Step 2	Click on the 'AWS Hackathon Kit' hyperlink available upon logging in to the SIH portal
Step 3	Tell us about yourself! Enter your information into the fields and click the tool tip icons on the right for more detailed information. *Institution Name:* "*<full name of the institution>*" *Country* : "India" *Department:* "Education" *Email*: *<ensure that you provide your <u>institution domain email id</u> only>* *Title:* "SIH Spoc" *Course Level:* "Undergraduate-Adv Courses" *Course Numbers and Name:* "SIH 2020" *Link to class or school biography:* "*<institution domain>*" *Specialty:* "AWS Cloud" *Promo Code:* **<pre-filled – do not amend>** After completing the CAPTCHA, click "Next."
Step 4	Check your email to follow the automated email verification process.
Step 5	After email verification, you will be prompted to review AWS Educate's Terms and Conditions. Reading these and selecting "agree" will allow you to proceed. Then, check your email and set a password to log into the educator portal. Make sure your password meets the required security level.

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Step 6	In the educator portal, navigate to the blue banner and select "Classrooms & Credits."
Step 7	Select the top-left box, "Request or go to an AWS Educate Classroom."
Step 8	At the top right corner, select "Go to my classrooms." Here, you'll find your pre-created AWS Educate Classroom entitled "SIH Classroom." Once classroom provisioning completes (~5 minutes), please activate this Classroom by clicking "Activate."
Step 9	To invite students to the Classroom, click on "SIH Classroom" under Course Name. Scroll down, download the template, and bulk upload your students' email addresses. Click "Add Emails."
Step 10	Notify students that they will receive an email invitation for a streamlined AWS Educate registration process.

SIH 2020 Spoc FAQ:

1. **Who is eligible for AWS Educate?** AWS Educate is available for educators, SIH 2020 spocs, and students age 14 and up.

2. **What benefits will I receive by joining AWS Educate?** *SIH 2020* spocs will receive access to AWS technology, a preconfigured AWS Educate Classroom, $150 in AWS Promotional Credits, open source content, training resources, and a community of cloud evangelists.

3. **Do I need to register for AWS Educate before my students?** We recommend that you register before your students and invite them to join AWS Educate via the SIH Classroom outlined in Steps 6-10. This creates a streamlined application process for your students.

4. **What happens if I do not receive the verification email?** If you do not receive the email, please check your Junk email or Spam folder in case the email was delivered there instead of your inbox. If so, select the confirmation message and click Not Junk, which will allow future AWS Educate messages to get through. If after checking your folders you still can't find the email, please contact AWS Educate support.

5. **What should I do if I'm experiencing registration issues?** If you are experiencing any issues during the registration process, please contact AWS Educate support. Someone from our team will respond to your inquiry as quickly as possible.

6. **Where do I receive my AWS Promotional credits?** AWS Educate Starter Account: Student Members will receive preloaded credits in their Starter Account for US$ 200 for their SIH Classroom.

7. **What's the difference between a regular AWS account and an AWS Educate Starter Account?** The AWS Educate Starter Account offers you free access to a specified, capped amount of AWS cloud resources without requiring a credit card for payment. The account provides access to most AWS Services. Click here to see a list of eligible services. The AWS Educate Starter Account is run and managed by a third party, Vocareum. For SIH classroom, each student gets an additional US$200 for their classroom enrollment. Click here to see a list of eligible services.

8. **How do I access my AWS Educate Starter Account?** AWS Educate members can access their AWS Educate Starter Account in the AWS Educate Portal. Log in and click 'AWS Account' on the top navigation. You can access your AWS Educate Starter Account from this page.

9. **What AWS services are supported with an AWS Educate Starter Account?** Click here to see a full list of supported services.

10. **What happens when I reach my AWS credit limit in the AWS Educate Starter Account?** AWS Educate (through Vocareum) will send out notifications when 50%, 75% and 90% of the AWS credit allocated in the AWS Educate Starter Account has been utilized. Contact AWS Educate support if you need help with your AWS Educate Starter Account.

11. **Can I link my AWS Educate Starter Account to my educator or classmates' AWS Educate Starter Account or AWS Account?** The AWS Educate Starter account is designed as a freestanding account (through Vocareum) and cannot be linked to either an AWS Account or an AWS Educate Starter Account.

12. **How can I encourage my students to spend their credits wisely?** The AWS Cloud has an elastic, pay-as-you-use cost model. Please encourage students to be mindful about their credit use by turning off Amazon EC2 instances when not in use.

13. **Can I backup my resources in an AWS Educate Starter Account?** Yes, but this must be done before the cap is reached. We recommend that you backup data or code to your local storage.

14. **What is the AWS Educate Educator Portal (EP)?** Educators and Central Points of Contacts (CPOCs) at educational institutions who join AWS Educate are provided with access to the EP. Students who join AWS Educate are provided with access to a separate student portal. On the EP, you will find cloud learning content, including the Cloud Degree Curriculum Repository, under the "Get Content" tab; access to free training resources on AWS products and services under the "Professional Development" tab; access to request a temporary AWS environment for students under the "Classrooms & Credits" tab, and other resources.

15. **What is the difference between the Get Content tab and the My Content tab?** The "Get Content" tab provides access to explore open source course content contributed by educators and AWS. All of the content has been posted so that you can use it to integrate into or inform your classroom content. Content includes full courses and lectures, assignments, and more. The "My Content" tab provides access to organize, share, and export all of your saved content.

16. **Can I post content to the Get Content tab?** If you have content you would like to make available to other educators, please submit it under the "My Content" tab. The content can be full courses, lectures, assignments, projects, labs, videos, or other materials that you created. All content posted is made available for the rest of the AWS Educate community, so you will be helping speed the growth of cloud computing curriculum and thereby better preparing students for a cloud-enabled workforce.

17. **How do I access the teacher facilitator guides for working with students between the ages of 14 and 17? The** Cloud Explorer and Inventor challenge facilitator guides are available to download from the AWS Educate Educator Portal. These guides are designed to help teachers lead conversations in the Classroom, run supplemental activities, and provide resources for continued learning outside the Classroom. Each guide includes how the challenge aligns to the Computer Science Framework from K12cs.org, background information on the challenge topic, a glossary, and focus questions.

18. **What are Classroom templates?** Classroom templates provide access to the listed collection of services in a temporary AWS environment. Students would have access to those listed services in the AWS Management Console.

    Please note, when you register for AWS Educate with the *SIH 2020* promo code, you'll see a preconfigured Classroom called "SIH Classroom." This Classroom will provide you a virtual environment for getting students started with learning and building solutions to projects / problem statements.

19. **Can more than one *SIh 2020* spoc manage a Classroom?** No, at this time only one spoc can manage an AWS Educate Classroom.

20. **How can I see who accepted the invitation to join my Classroom?** Go to the "My Classrooms" page and click the Course Name. From there you can see a list of invited students. The ones who accepted the invitation will appear as "Enrolled".

21. **How can I see the work of my students?** You can access student work in the Classroom by signing in to AWS Educate, clicking on "My Classrooms", and then clicking the "Go to Classroom" button for a specific Classroom. Next, click in the "Select Student" box, choose a student email, and click the "Workarea" button. You are now accessing the student Classroom Account. Click "AWS Console" to access student work in the Classroom.

22. **How can I track how much credit my students have left in their Classroom?** You can view the credits remaining for each student by signing in to AWS Educate, clicking on "My Classrooms" at the bottom of the home page, and then clicking the "Go to my Classroom" button.

    Next, click the "Analytics" and then "Accounts" option on the top right of the page and a list of the email addresses for

students that accepted the invitation to join your Classroom will be displayed along with the credits remaining.

23. **When a student reaches their credit limit in a Classroom, is there a way to copy/download data or increase the credit allocation for students in a Classroom?** When a student reaches their credit limit in a Classroom, their account is deactivated. A onetime, $20 credit extension can be activated, allowing you to save off any important work. After 10 days, if a student has not activated the onetime extension or has exhausted all credits, any work not saved to another location is no longer accessible or recoverable. A best practice is to encourage students to back up their files and resource to a separate location.

24. **Can I renew the AWS Educate Starter Account on a yearly basis?** As a member, you have the option to renew your account annually on the date you initially joined AWS Educate. Renewals are only available to students if they have not yet graduated.

25. **How do I submit ideas on how to help the program improve?** Occasionally, AWS Educate invites members to complete surveys. To help us serve you better, please make the time to complete these surveys. You can also share your feedback by contacting [AWS Educate support](#).

26. **Whom should I contact with additional questions about AWS Educate?** If you have a question that was not answered in the FAQ, please visit [AWS Educate support](#), then fill out the form most appropriate for you as an educational institution administrator, educator, or student. Someone from our team will respond to your inquiry as quickly as possible.

Student Onboarding Guide for *SIH 2020*:

Step 1
To join AWS Educate, you must submit an application. Once your mentor invites you to join an AWS Educate Classroom, check your email for a registration link from support@awseducate.com to start the application process.

Step 2
Tell us about yourself! Enter your information into the fields and be sure to select / input the correct name of your institution. Click the tool tip icons on the right for more detailed information.

Since you might not have an institution issued email address, additional verification may be required. You will receive further instructions in your email.

After completing the CAPTCHA, click "Next."

Step 3
Please review AWS Educate's Terms and Conditions. Selecting "Agree" allows you to proceed.

Step 4
Check your email to follow the automated email verification process.

Step 5
After email verification, you will be prompted to set a password to log into the student portal. Make sure your password meets the required security level.

Step 6
After you log-in to the AWS Educate portal, click on 'My Classrooms' on the top menu bar and start the access to the SIH classroom template.

Now you're able to log in!

SIH 2020 Student FAQ:

1. **Who is eligible for AWS Educate?** AWS Educate is available for educators, SIH 2020 mentors, and students age 14 and up.

2. **What benefits will I receive by joining AWS Educate?** *SIH 2020* students will receive AWS Promotional Credits for hands-on experience with AWS technology, access to an AWS Educate Classroom, training, content, and career pathways. Students age 18 and older will receive access to the AWS Educate Job Board.

3. **What happens if I do not receive the verification email?** If you do not receive the email, please check your Junk email or Spam folder in case the email was delivered there instead of your inbox. If so, select the confirmation message and click Not Junk, which will allow future AWS Educate messages to get through. If after checking your folders you still can't find the email, please contact AWS Educate support.

4. **What should I do if I'm experiencing registration issues?** If you are experiencing any issues during the registration process, please contact AWS Educate support. Someone from our team will respond to your inquiry as quickly as possible.

5. **Where do I receive my AWS Promotional credits?** AWS Educate Starter Account: Student Members will receive preloaded credits in their Starter Account of US$ 200 for their SIH Classroom.

6. **What's the difference between a regular AWS account and an AWS Educate Starter Account?** The AWS Educate Starter Account offers you free access to a specified, capped amount of AWS cloud resources without requiring a credit card for payment. The account provides access to most AWS Services. Click here to see a list of eligible services. The AWS Educate Starter Account is run and managed by a third party, Vocareum. For SIH classroom, each student gets an additional US$200 for their classroom enrollment. Click here to see a list of eligible services.

7. **How do I access my AWS Educate Starter Account?** AWS Educate members can access their AWS Educate Starter Account in the AWS Educate Portal. Log in and click 'AWS Account' on the top navigation. You can access your AWS Educate Starter Account from this page.

8. **What AWS services are supported with an AWS Educate Starter Account?** Click here to see a full list of supported services.

9. **What happens when I reach my AWS credit limit in the AWS Educate Starter Account?** AWS Educate (through Vocareum) will send out notifications when 50%, 75% and 90% of the AWS credit allocated in the AWS Educate Starter Account has been utilized. Contact AWS Educate support if you need help with your AWS Educate Starter Account.

10. **Can I link my AWS Educate Starter Account to my educator or classmates' AWS Educate Starter Account or AWS Account?** The AWS Educate Starter account is designed as a freestanding account (through Vocareum) and cannot be linked to either an AWS Account or an AWS Educate Starter Account.

11. **Can I backup my resources in an AWS Educate Starter Account?** Yes, but this must be done before the cap is reached. We recommend that you backup data or code to your local storage.

12. **Can I renew the AWS Educate Starter Account on a yearly basis?** Yes, the AWS Educate Starter Account will be available on an annual basis as long as you are an active student and a member of AWS Educate. During the renewal period, members can opt to do the following: convert their AWS Educate Starter Account to AWS Promotional credit, or vice versa.

13. **What learning content is available for students between the ages of 14 and 17?** Students ages 14-17 can earn the following AWS Educate Cloud Badges:

    a. *Cloud Explorer Badge:* For students who are newer to the cloud can start here by completing 10 challenges exploring concepts like algorithms, programming, and cybersecurity through real-world examples.
    b. *Cloud Inventor Badge:* For students can keep growing their knowledge with 10 more in-depth challenges on cloud technology, such as how variables and big data are used today.
    c. *Cloud Builder Badge:* For students who are ready to build, this badge includes 14 challenges about the AWS console and services, giving them hands-on experience with AWS by building a website and Chatbot.

14. **What is the SIH 2020 Classroom?** AWS Educate Classrooms provide access to the listed collection of services in a temporary AWS environment. Students have access to those listed services in the AWS Management Console. SIH 2020 Mentors must invite students to the SIH Classroom, where they can access a temporary AWS environment to use services.

15. **I finished my work in the SIH Classroom. How can I make a backup of my work?** You can back up your work by copying all your files and folders to a local storage location on a desktop, laptop, or other device. Please note, once a Classroom is deactivated, it is not possible to recover any resources, files, or other assets. Be sure to backup any work you would like to continue to access to another location.

16. **What happens when I run out of credits?** Resource usage is "capped" for AWS Educate Classrooms. If you run out of credits, your account will be deactivated. A onetime, $20 credit extension can be activated, allowing you to save off any important work. After 10 days, if a student has not activated the onetime extension or has exhausted all credits, any work not saved to another location is no longer accessible or recoverable. Please save your work before your account is deactivated, and contact your *SIH* mentor.

17. **How do I submit ideas on how to help the program improve?** Occasionally, AWS Educate invites members to complete surveys. To help us serve you better, please make the time to complete these surveys. You can also share your feedback by contacting [AWS Educate support](#).

18. **Whom should I contact with additional questions about AWS Educate?** If you have a question that was not answered in the FAQ, please visit [AWS Educate support](#), then fill out the form most appropriate for you as an educational institution administrator, educator, or student. Someone from our team will respond to your inquiry as quickly as possible.