

AICTE-IDEA (Idea Development, Evaluation & Application) LAB SCHEME Are you sure you want to sign out? Cancel Sign Out English/ Hindi Sign In Back Details Benefits Eligibility Application Process Documents Required Frequently Asked Questions Sources And References Feedback Something went wrong. Please try again later. Ok You need to sign in before applying for schemes Cancel Sign In Something went wrong. Please try again later. Ok It seems you have already initiated your application earlier. To know more please visit Cancel Apply Now Check Eligibility Ministry of Education AICTE-IDEA (Idea Development, Evaluation & Application) LAB SCHEME Engineering College And University Financial Support Infrastructure Lab Details AICTE has decided to establish IDEA (Idea Development, Evaluation & Application) Lab in AICTE approved institutions, encouraging students for application of science, technology engineering and mathematics (STEM) fundamentals towards enhanced hands-on experience, learning by doing and even product visualization. As a common facility embedded in the institution, the IDEA Lab will make engineering graduates more imaginative and creative, besides getting basic training in the 21st century skills like- critical thinking, problem solving, design thinking, collaboration, communication, lifelong learning etc. IDEA Lab can facilitate the students and faculty to engage, explore, experience, express and excel as desired by the Hon'ble Prime Minister in the wake of release of National Educational Policy 2020. Purpose: The purpose of IDEA Lab is to provide all facilities under one roof, for conversion of an idea into a prototype. With these facilities in the campus, more students and faculty will be encouraged to take up creative work and in the process, get training on creative thinking, problem solving, collaboration etc. which conventional labs are not able to. The focus will be on training students so that they become imaginative and creative and stay so at the workplaces they join. The whole idea is to transform engineering education with such a Lab in all colleges and for this they must proactively expose all students to the IDEA Lab, organize training sessions for interested students as well as support projects and by providing online learning materials. Proposal: As the IDEA Lab is going to be a long-term intervention aiming to transform education imparted in the institution, the proposal must spell out a clear vision for the Lab, plan of implementation, mobilization of resources, strength and enthusiasm of faculty, utilization and expansion of facilities, etc. The alignment of activities with larger national goals/ missions/ initiatives or industrial requirements or serving disadvantaged sections of society etc. and commitment of resources for the same, will impart an edge for any proposal. Shortlisted proposals will be subjected to scrutiny by a panel of experts before sanctioning of the project by AICTE. Implementation: The college/ educational campus/ university and industry are expected to participate financially, to match the contribution sought from AICTE or even exceed it, in establishing the IDEA Lab which ideally requires: An area of 5000 sq. ft. Should ideally remain open 24x7. To be equipped with facilities, tools and consumables to support translation of an idea to prototype development or develop solution of a problem. To hold workshops/ trainings, ideation sessions, bootcamps, competitions etc. and participate in similar activities organized by other IDEA Labs/ organizers and also in national/ international events so as to ensure that IDEA Lab is used productively and also extensively. To maintain the IDEA Lab, keep it well-furnished, take care of security, provide a safe working environment and stock adequate supplies of consumables. To provide necessary staff and all support facilities and amenities required to operate and maintain the Lab. To follow the guidelines issued by AICTE in the matter of IDEA Lab and other Government of India rules besides following the enunciated Code of Conduct (as in Annexures) in letter and spirit.

**Benefits** Financial Assistance: Estimated project cost per AICTE Lab is ₹ 1,10,00,000/- non-recurring expenditures (covering the cost of equipment, tools and consumables) of ₹ 80,00,000/- and recurring expenditures (covering the cost of events and activities for two years) of ₹ 30,00,000/-. AICTE can provide up to 50% i.e. ₹ 55,00,000/-. Training to Faculties and Students: Various types of training will be provided to the faculties and the students on creative thinking, problem solving, collaboration, etc. Activities to be conducted by an IDEA Lab: The following table lists activities/ events and their number/ frequency in AICTE IDEA Lab and there has to be commitment to conduct minimum numbers, to be eligible for sanctioning of the project.

Sr. No.	Event & Duration	Target & Batch size	Objective & Justification	Frequency/Numbers
1.	FDP (06 Days) Faculty	20	Faculty needs to be trained on equipment, to be able to guide students and conduct events- including those from other institutions	Twice in a year
2.	Skillling Programs (06 Days) Students	20-30	Training in areas like electrical and electronics fabrication, embedded systems design. Embedded programming, 3D printing, robotics, welding, IOT, Machine learning, AI, bio-engineering, biomedical, etc	One per quarter
3.	Bootcamps (12 Days) Faculty	05-10	Training of faculty (including those from other institutions, spread over a few weeks, continuing at workplaces, if required)	Twice a year
4.	Ideation workshops (03-05 Days) Students	30-40	To generate ideas on which students can work in the IDEA Lab, including field visits	Once in three months
5.	Awareness Workshops for Industry	02 Days	Industry participants	5-10
6.	Publicizing IDEA Lab among industries, to encourage them to use the facilities	Once in three months		
7.	Internships (2 to 6 months) Students	15-20	For hands-on training as part of their course-work during summer and winter vacations. Internships based on industry problems should be preferred. As per curriculum.	
8.	Professional Skillling Programs (12 Days) ITI students or class 10/12 pass students	5-10	Welding, 3D printing, mechanical fabrication. etc	Once in a quarter
9.	School Teachers Awareness Program (06 Days) Teachers of nearby schools		Demonstration and providing hands-on experience of facilities	Twice a year (during school vacations)
10.	Projects by School Students identified by schools	10-15	Opportunity for school students to do projects	Once a year (as per convenience)
11.	Open Day for school students (one day) Students (class XI-XII) nominated by schools	25-30	Exposure to facilities in IDEA Lab to ignite their minds (on Science Day/Technology Day/Teachers Day/ Engineers Day)	Once a year (as per convenience)
12.	Participation in annual technical exhibitions Nationwide IDEA labs Technical exhibitions etc	For example, Tech FEST, Mind SPARK, etc.	organized by renowned Institutions/ Industries, etc to showcase activities/products/prototypes developed in IDEA labs	Once in a year
13.	Newsletter Nationwide IDEA labs		To disseminate information to all the labs about activities of other labs, technology issues, any interesting developments, etc.	Monthly/Bi-monthly
14.	Webpage All stakeholders		For web-presence of IDEA Lab, and showcasing itself before the stakeholders and other IDEA Labs	Weekly/Bi-weekly updation
15.	Annual conference/ symposium of all IDEA labs		All IDEA Labs, DIY labs or similar labs across the nation/outside the nation also To promote active interaction, showcase of lab activities, promote collaboration at national and international level	Once in a year

**Eligibility** AICTE-approved engineering colleges/ university departments in existence for having at least 10 years and at least one course with live NBA accreditation. Aspiring institutions shall have to muster financial contribution to the tune of at least 50% for the IDEA Lab. Weightage will be given to additional quantum of funds, coming specially from industry. The institution must provide a built-up and furnished space of 3000 sq. ft. to house. The institution must provide all support staff, facilities and amenities required to operate and maintain the Lab.

**Application Process** Online Registration Process: Go to <https://idealnet.aicte-india.org/> and click on 'Log In' then on 'Register' button. Click on Get Details button. The details of the Institute including Name, Address and Email will auto populate. Now Enter your Institute's Permanent Id. Enter all the mandatory details. Set a password for and click on 'Register'. After successful registration, the applicant will get an e-mail for the account activation to the registered Email Id during registration. Click on the 'Verify Email' button in the e-mail to activate your account.

**Post-Registration Process:** After the successful account activation, you can login to the website using the email id and password: <https://idealnet.aicte-india.org/login>. Open the side menu bar and navigate to the following tabs then fill the required data Click on 'Save' button to save the details: Institute Details; HOI & Faculty Coordinator Details; Build Up Area Details; Credentials of Institute/Department; Credentials of Chief Mentor(HOI); Credentials of Faculty Coordinator; Credentials of Faculty Co-coordinator; Proposal for the Project; Now Navigate to 'Non-Recurring Expenditure' tab, This consists of Four tabs: Part-I (Equipment); Part-II (Consumables); Part-III (Tools) and Part-IV

(Optional Equipment/Consumable/Tool). Fill the required data and Click on 'Save' button to save the details. Navigate to 'Non-Recurring Expenditure' tab, using the side menu bar. This consists of two parts: Part-I and Part-II. Fill the required data and Click on 'Save' button to save the details. Navigate to 'Contribution to Budget' tab, using the side menu bar. Upload the files and click on 'Save' button. Navigate to 'Preview & Submit' tab, using the side menu bar. Check all the filled details and can submit the application by clicking on 'Submit' button after checking the declaration. You cannot edit any details once submitted. Documents Required: Quotations of Equipment/s (All quotations must be in a single PDF file only) Industrial Contribution Commitment Letter (File should be in pdf format only) Institute Contribution Commitment Letter (File should be in pdf format only) Endorsement from the Head of Institute (File should be in pdf format only) Frequently Asked Questions

**What is IDEA Lab scheme?** The purpose of IDEA Lab is to provide all facilities under one roof, for conversion of an idea into a prototype. With these facilities in the campus, more students and faculty will be encouraged to take up creative work and in the process, get training on creative thinking, problem solving, collaboration etc. For whom the IDEA Lab is meant? IDEA Lab is meant for students and faculty of the college/ educational campus/ University. Which institutions are eligible for applying for AICTE IDEA Lab? Institutions (including part of educational campuses or universities) more than 10 years old are eligible for applying and must have at least one course accredited by the NBA. What type of civil infrastructure is required for an IDEA Lab? Ideally, a built up area of 5000 sq. ft. is required. But the institution must agree to provide a minimum built-up and furnished space of 2000 sq. ft. for the laboratory and an additional 1000 sq. ft. to facilitate activities under IDEA Lab. The installation of equipment has to be done taking into account all safety and environmental concerns. What hardware constitutes an IDEA Lab? In order to support do-it-yourself activities and facilitate translation of ideas into prototypes, each IDEA Lab must be equipped with tools, components and consumables. Equipment and consumables have been identified (in Annexure I) and tools (in Annexure II) which need to be there for a fully functional IDEA Lab as a complete unit. Can the institute contribute in raising IDEA Lab through existing equipment? The institution can shift permanently equipment/ tools they may be having with them to the IDEA Lab. However, they will not be included in the budget but reflected in the inventory. Can more than one institution join? The utilization of facilities for the purpose they are given, to the maximum extent, is of paramount concern for AICTE. Towards this, institutions can come together under a lead institution which is eligible to apply. The Lab has to be in the premises of the lead institution which will be responsible for executing the project and ensuring that participating institutions and industries are not a liability on IDEA Lab/ Institution. Can the entire non-AICTE funding be from the institution? Yes, the contribution can be from college but this is an excellent opportunity to reach out to industry inviting them for a national initiative. With gates opened for industry, the revenue generation and hence, prospects for sustenance of Lab enhance significantly. This is besides the live problems/ challenges they can offer to the colleges and technical experts as well. Who operates and manages IDEA Lab? The Head of Institute will be the ex-officio Chief Mentor (CM) of the AICTE IDEA Lab, responsible for overall implementation of the project. How are Student Ambassadors to be selected? Students from the 3rd/ 4th year of UG or any year of PG course who show keen interest in the activities and regularly participate in them, can be nominated. Institute can frame its own set of rules for this. Upto 3 Ambassadors can be there at a time and should be rotated, maintaining gender equity. How can other faculty make use of the facilities? IDEA Labs as much to be used by faculty, as students, including for their research work. They can work on their ideas independently or by involving students. They can create internship projects or practical work which require significant use of IDEA Lab and also facilities in their own departments. Working on interdisciplinary projects involving IDEA Lab would be appreciated. Can the institution put in place a committee for implementation of the IDEA Lab project? It's the prerogative of the institution to have one, as an internal mechanism. However, it should in no way become an impediment, at any stage, in the functioning of the Lab. Can more than one industry join? As long as interested industries are an asset and not a liability on IDEA Lab/ Institution, they are welcome to contribute and participate. They can be given preference over non-contributing industries, in making use of the facilities of IDEA Lab. Can we charge the users of IDEA Lab? Users other than students and faculty can be charged. Revenue generation will be a performance indicator and is strongly encouraged, for sustenance of the Lab. Faculty/ teachers/ staff attending the courses organized by the Lab, which earn a certificate useful for career advancement, can be charged nominally. There can be differential charges for users of facilities and those for a course/ training. When and how will AICTE release funds? AICTE will release 80% of sanctioned amount as first instalment only after matching grant is deposited in the exclusive Bank Account of IDEA Lab and proof submitted. The second instalment of 20% will be released based on the (a) performance (b) utilization of AICTE's first instalment (c) deposition of 20% amount from non-AICTE sources and any other funds committed in the sanctioned project, besides other documents stipulated for fund release. Sources And References

**Guidelines** User Manual FAQs Official Website

**Ok** Was this helpful? **News and Updates** No new news and updates available **Share** Something went wrong. Please try again later. **Ok** You need to sign in before applying for schemes **Cancel** **Sign In** Something went wrong. Please try again later. **Ok** It seems you have already initiated your application earlier. To know more please visit **Cancel** **Apply Now** **Check Eligibility** Ministry of Education **AICTE-IDEA (Idea Development, Evaluation & Application) LAB SCHEME** Engineering College And University **Financial Support** **Infrastructure Lab Details** **Benefits** **Eligibility** **Application Process** **Documents Required** **Frequently Asked Questions**

**AICTE has decided to establish IDEA (Idea Development, Evaluation & Application) Lab in AICTE approved institutions, encouraging students for application of science, technology engineering and mathematics (STEM) fundamentals towards enhanced hands-on experience, learning by doing and even product visualization. As a common facility embedded in the institution, the IDEA Lab will make engineering graduates more imaginative and creative, besides getting basic training in the 21st century skills like-critical thinking, problem solving, design thinking, collaboration, communication, lifelong learning etc. IDEA Lab can facilitate the students and faculty to engage, explore, experience, express and excel as desired by the Hon'ble Prime Minister in the wake of release of National Educational Policy 2020.**

**Purpose:** The purpose of IDEA Lab is to provide all facilities under one roof, for conversion of an idea into a prototype. With these facilities in the campus, more students and faculty will be encouraged to take up creative work and in the process, get training on creative thinking, problem solving, collaboration etc. which conventional labs are not able to. The focus will be on training students so that they become imaginative and creative and stay so at the workplaces they join. The whole idea is to transform engineering education with such a Lab in all colleges and for this they must proactively expose all students to the IDEA Lab, organize training sessions for interested students as well as support projects and by providing online learning materials. **Proposal:** As the IDEA Lab is going to be a long-term intervention aiming to transform education imparted in the institution, the proposal must spell out a clear vision for the Lab, plan of implementation, mobilization of resources, strength and enthusiasm of faculty, utilization and expansion of facilities, etc. The alignment of activities with larger national goals/ missions/ initiatives or industrial requirements or serving disadvantaged sections of society etc. and commitment of resources for the same, will impart an edge for any proposal. Shortlisted proposals will be subjected to scrutiny by a panel of experts before sanctioning of the project by AICTE.

**Implementation:** The college/ educational campus/ university and industry are expected to participate financially, to match the contribution sought from AICTE or even exceed it, in establishing the IDEA Lab which ideally requires: An area of 5000 sq. ft. Should ideally remain open 24x7. To be equipped with facilities, tools and consumables to support translation of an idea to prototype development or develop solution of a problem. To hold workshops/ trainings, ideation sessions, boot-camps, competitions etc. and participate in similar activities organized by other IDEA Labs/ organizers and also in national/ international events so as to ensure that

IDEA Lab is used productively and also extensively. To maintain the IDEA Lab, keep it well-furnished, take care of security, provide a safe working environment and stock adequate supplies of consumables. To provide necessary staff and all support facilities and amenities required to operate and maintain the Lab. To follow the guidelines issued by AICTE in the matter of IDEA Lab and other Government of India rules besides following the enunciated Code of Conduct (as in Annexures) in letter and spirit.

Was this helpful?

Share News and Updates No new news and updates available ©2024 Powered by Digital India Corporation (DIC) Ministry of Electronics & IT (MeitY) Government of India

Quick Links About Us Contact Us Screen Reader Accessibility Statement Frequently Asked Questions Disclaimer Terms & Conditions Useful Links

Get in touch 4th Floor, NeGD, Electronics Niketan, 6 CGO Complex, Lodhi Road, New Delhi - 110003, India support-myscheme[at]digitalindia[dot]gov[dot]in (011) 24303714 Last Updated On : 28/03/2024 | v-2.1.1