



AICTE Chhatra Vishwakarma Awards

The **AICTE Vishwakarma Awards 2020** is being organized by All India Council for Technical Education (AICTE) on India's Economic Recovery Post Covid; Reverse Migration and Rehabilitation Plan to support "**Atmanirbhar Bharat**". By means of this competition, the innovations and achievements of individuals and institutions/ organizations shall be recognized and applauded.

AICTE is a statutory body established by an Act of Parliament with a view to proper planning and coordinated development of the Technical Education system throughout the country, the promotion of qualitative improvement of such education in relation to planned quantitative growth and the regulation and proper maintenance of norms and standards in the technical education system and for matters connected therewith.

The **Vishwakarma Awards** are inspired by the spirit of engineering and creation patronized by Lord Vishwakarma, the ruling deity of construction practices in India. As per Rigveda, **Lord Vishwakarma** is considered to be deity who is the original creator, architect and divine engineer of the universe. The Awards are thus a means to provide a platform for our stake holders to look at the societal challenges, with an aim to provide **an innovative and low cost solutions**. However, it is not merely a competition- it will also encourage the students to focus on hands on skills and also to foster Convergence and Collaboration so as to bring about sustainable solution to problems. These awards are an embodiment of encouraging truly successful efforts that have made a mark on the industry or the society in terms of delivering better outputs & processes and creating higher benchmarks. Hence the Awards are aimed for motivating young individuals, inspiring leaders and institutions/ organizations to raise their performance in their specific domains leading to significant contribution towards the growth and development of the nation as a whole.

CHHATRA VISHWAKARMA AWARDS (OUTSTANDING INNOVATIVE TEAM AWARD)

The Covid-19 lockdown has helped in checking the spread of the virus to a large extent, but the food and livelihood security of the urban poor, particularly daily wage earners, casual labourers, and migrant workers have been compromised. Despite food security measures and announcements of economic packages, there are three major challenges arising due to the lockdown.

1. Reverse migration of workers
2. Food, income and livelihood insecurity
3. Long-term disruption in urban economic activities

Theme of the Chhatra Vishwakarma Awards 2020

The Chhatra Vishwakarma Awards, 2020 is proposed on the Theme of **India's Economic Recovery Post Covid; Reverse Migration and Rehabilitation Plan to support "Atmanirbhar Bharat"**

All students are encouraged to develop app based/ AI/ Robotics/ IT based solutions for following:

1. **Reskilling or up skilling for ensuring livelihood**
Key Areas -
 - a. Skill mapping for promoting indigenous traditional skills and crafts
 - b. Increasing the efficacy and efficiency of skill development missions

2. **Promote micro, small and medium enterprises to achieve the mission of Atmanirbhar Bharat.**
Key Areas -:
 - a. Innovative technology applications for better value realization
 - b. Innovation in traditional foods for global markets
 - c. Disposal/recycling/ management of Covid-19 related PPE (kits, face shields, masks, disinfectants packing materials etc.)

3. **Promote value added agricultural Processes, Products and Handicrafts.**
Key Areas-
 - a. Link products of traditional and rural artists to the global buyers
 - b. Making Agriculture attractive for Rural Youth by the way of making use of Technology.
 - c. Utilization / Value Addition in farm waste or by-products into value added products for urban markets
 - d. Agro produce based value added projects for promoting rural entrepreneurship

4. **Mental Health and psychosocial support- Any app.**
5. **Gender-Responsive mechanism to combat Domestic violence**
Key Areas-
 - a. Domestic violence including Women Safety and Security

6. **Barriers in accessing adequate health care services**
Key Areas-
 - a. Making on-line medical consultation and Tele-medicine happen for the benefit of the masses
 - b. Accessible healthcare for all.

7. **Working conditions; ensuring occupational health and safety issues**
Key Areas-
 - a. Covid-19 free modes of public transport
 - b. Covid-19 free event management
 - c. Safety and security of frontline Covid-19 warriors
 - d. Restructuring/Reorganizing class rooms and laboratories in schools, colleges, education and training institutions, coaching institutes, and universities
 - e. Designing and popularizing `Work From Home Office Module

8. And any other necessary support etc.

Key Areas

- a. Infrastructure connecting urban and rural masses. (increasing the bandwidth and connecting rural areas with technology)
- b. Green entrepreneurship
- c. Health Informatics. (Awareness about Health Human/Animal/Plant)
- d. Popularizing the new normal.

Eligibility for the Awards

All institutions/ students as approved by AICTE are covered under this award. Nominations/Applications from girls/women are especially encouraged....!

Objectives: The main objective of this award is to recognize and honour innovative work of the students displaying exceptional skills in different Technical streams.

Problem Statement: The student needs to provide an innovative solution Post Covid for Reverse Migration and Rehabilitation Plan to support “Atmanirbhar Bharat” through intervention of Technology/Management practice(s).

Under this, students can select any of the following Sub -Themes: -

1. Reskilling or up skilling for ensuring livelihood.
2. Promote micro, small and medium enterprises to achieve the mission of Atmanirbhar Bharat.
3. Promote value added agricultural Processes, Products and Handicrafts.
4. Mental Health and psychosocial support.
5. Gender-Responsive mechanism to combat Domestic violence.
6. Barriers in accessing adequate health care services.
7. Working conditions; ensuring occupational health and safety issues .
8. And any other necessary support.

Important Instructions for submitting the nominations:

1. Team/Students can submit online application at <https://www.aicte-india.org> latest by **15th December (Tentative), 2020.**
2. A maximum of **five teams** per college/ institute can participate.
3. Each team would comprise maximum of **four students and one faculty as a mentor.** In case, a student wants to submit his application as a single applicant, he/she is permitted, but mentor is compulsory.
4. The students in the teams should be different, however there can be common mentor to multiple teams.
5. One of the student from each team should act as a Team Leader.

6. The application must contain "Innovation Proposal" of the project / solution along with personal & institutional detail.
7. Nominations shall only be sent where Institute is fully aware of the work and achievements of the applicant team. Scanned copy of a **No Objection Certificate (NOC)** in this regard from the Head of the Institute on college letter pad must be attached while submitting the proposal.
8. The team name and name of all the members of the team should be clearly specified in the NOC letter. The letter should bear the seal of the college/ institute along with signature of the principal.
9. **Inter-disciplinary representation in the team is permitted.** All team members should be from same college; no inter-college teams are allowed. However, members from different branches of the same college/ institute can form a team.
10. One team can submit ONLY one idea.

Eligibility Criteria

1. Students of Diploma, UG, Humanities and Social Science Stream and Vocational programme of AICTE approved institutes only (including Community Colleges) and universities are eligible to apply.
2. The entrant institute/ Polytechnic/University may nominate maximum **Five Teams** (not more than 04 students in each team & 01 mentor) of their students.
3. Each team will have to present an innovative solution of the given problem which should be complete at the time of exhibiting the prototype.
4. Mentor/ Teacher-In-charge in the team should have been in the entrant institute for at least 02 years.
5. The Mentor/ Teacher-in-charge should provide support and guidance to the team project.

Selection Criteria:

Applications shall be short listed based on their conformity to the guidelines and information furnished by nominees for specific categories. The recipients will be finalized based on the scrutiny of the applications by the jury & practical demonstrations by the contestants.

Evaluation/ Selection criteria will include novelty of the idea, technical feasibility, Marketing feasibility, financial viability, project scalability and replicability, social cost-benefit Analysis, user experience and potential for future work progression.

1. The Council shall shortlist the applications based on above criteria.
2. Teams which covers the following thrust areas or emerging technologies will be given more preference during evaluation:-
 - a) Artificial Intelligence
 - b) Internet of Things (IoT),
 - c) Blockchain
 - f) Data Sciences
 - g) Quantum Computing
 - h) Cyber Security

- d) Robotics and Process Automation i) 3D Printing & Design
- e) Augmented Reality (AR)/ Virtual Reality (VR)

3. The shortlisted teams/ applicants shall be called Online for the Regional Convention to showcase the work done and explain in detail the ‘innovation’ as claimed, to the expert committee or teams shall be asked to submit a 03-05 minutes’ video presentation on their prototype.
4. The selected participating teams in the Regional Convention shall be called for the National Convention in AICTE HQ’s, New Delhi present their workable prototype.
5. AICTE shall decide to confer/ restrict/ enhance the awards/ category as per the decision of the competent authority. Hence there shall be no claims to the contrary.

Jury:

A Jury for the different stages shall be constituted by the Council from time to time. The members in the jury shall consist of eminent educationists, professors, researchers, social workers, representatives of planning bodies, policy formulators and such other persons of repute/ recognition.

Recognition:

- i. All winners will receive awards, by and a Scroll of honor in an event likely to be held in January 2021 at AICTE HQs., New Delhi.
- ii. All the shortlisted participants will be given participation certificates.
- iii. As an incentive to encourage students to participate in the CVA, each student of the participating team will be awarded “AICTE Activity Points” as defined in chapter 6 of AICTE Internship Policy (<link>), according to the following criteria:

Level	AICTE Activity Points
Participation in the Regional convention	20
Selection for National Convention	40
Awardees at National Convention	75

This is a First Information Booklet. Guidelines are subject to change at the discretion of the Council.

For further details, please visit <http://www.aicte-india.org> or contact us at 011-29581011/ 011-29581208 or email at vishwakarmaaward@aicte-india.org.

All nominations must be submitted at AICTE website at below given link:

<https://www.aicte-india.org/AICTE%20Vishwakarma%20Award%202020>

Time Schedule :


