



## AICTE Vishwakarma Awards

*The future of India lies in its villages - Mahatma Gandhi*

The **AICTE Vishwakarma Awards 2019** is being organised by All India Council for Technical Education (AICTE) for promoting innovative spirit and scientific temperament for holistic development of society through the stake holders of its approved institutes. 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 co-ordinated 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.

The Vishwakarma Awards has been first started by the Council in year 2017. A brief summary of the series of Awards organised over last two years is as are as under:-

(a) **Chhatra Vishwakarma Award 2017.** AICTE in association with Engineering Council of India (ECI) organized the “1st Chhatra Vishwakarma Awards 2017” for the students of AICTE approved Degree & Diploma level Technical Institutions. The theme for the Award was “**To convert existing institute into smart institute using innovative approaches**”. The Council received 965 applications from teams comprising of maximum 04 students and 01 mentor/ teacher in each team. 16 teams were awarded in various categories for providing the best innovative solution to a problem and – no. of institutes were awarded for bringing maximum innovative ideas for the given statement at the event organized on 19th September 2017, at AICTE HQs.

(b) **Chhatra Vishwakarma Award 2018.** AICTE in association with Engineering Council of India (ECI), and the Indian Society for Technical Education (ISTE) announced the 2nd AICTE-ECI-ISTE Chhatra Vishwakarma Awards 2018. Keeping in view the need to establish re-connect with rural areas and solve real life

problems of villages, the Council decided the theme for awards as “**Empowerment of Villages through Technologies**”. Under this, Council had received total of 1607 applications from the teams of various institutes. After a three round process, **19 teams were awarded** from different institutes in an event organized on 21 Jan 2019 at AICTE HQs. The Certificates were awarded by the Hon’ble Vice President of India Shri Venkaiah Naidu Ji.

### Theme of the Vishwakarma Award 2019

According to census 2011, nearly 69% of our population lives in rural areas. Therefore, our rural landscape forms the most crucial component in the economic development of India. The value additions in such a large *market* offers tremendous potential for societal impact with monetary gains as well. Hence, the overall prosperity of our Nation lies in the development of its rural areas. Hence the problem statement for the AICTE Vishwakarma Awards 2019 is “**How to enhance the income of a Village**”.

### Eligibility for the Awards

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

### Category for Award

Awards will be given in following categories:-

- (a) **Category-I** : Chhatra Vishwakarma Awards for Outstanding Innovative Team (Students & Mentor). Refer Appendix 1 for more details.
- (b) **Category-II** : Utkrisht Sansthan Vishwakarma Award for exemplary Institutional intervention. Refer Appendix 2 for more details.

**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 011-29581013/ 011-29581033 or email at [vishwakramaaward2019@aicte-india.org](mailto:vishwakramaaward2019@aicte-india.org)

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

< <http://vishwakarma.aicte-india.org/> >

**CATEGORY-I**

**CHHATRA VISHWAKARMA AWARDS (OUTSTANDING INNOVATIVE TEAM AWARD)**

**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 need to provide an innovative solution to ***How to enhance the income of Villages*** through intervention of Technology/Management practice(s). Under this, students can select any of the following Sub -Themes :-

1. **Livelihood** – It may include small scale manufacturing, handicraft, pottery, tourism (desert tourism, water tourism, village tourism), rural infrastructure, rural health care, education (app base technology, e-education in rural area, etc.) and many more.
2. **Waste management** – management of agriculture waste, non-agriculture waste, human waste (on site sanitation), household waste, livestock waste, manufacturing waste, etc.
3. **Crop waste management** (parali/para etc.) — onsite technology/ mechanization for converting into manure and other valuable products etc.
4. **Value addition of Rural handicraft and agro industry** —marketing models (improvement/ innovation of sale of agri produce (farm to fork), warehouse, packaging, innovation in traditional agricultural practices, etc.
5. **Farm and flock** – Hybrid farming, Polyhouse farming (through simple and cost effective technology), enhancing output from livestock, allied agriculture, non-agriculture activities like sericulture, horticulture, Dairy farming, etc.
6. **Water** – Water resource replenishment and management, low cost water purification, water conservation, rain water harvesting, water recharge, making saline water potable, innovation in irrigation practices, etc.
7. **Land** – land management, soil improvement, land record management, soil nutrient enhancement, organic farm practices, etc.
8. **Energy** – Low cost Renewable energy, Nano and Micro grade energy management, innovation in solar energy, innovation in battery technology, etc.

**Important Instructions for submitting the nominations:**

1. Team/Students can submit online application at <https://www.aicte-india.org> latest by **30<sup>th</sup> September, 2019**.
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 Requirements for Category I Award

1. Students of Diploma, UG and Vocational programme of AICTE approved institutes (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.
6. Student & mentor should sign and submit **No Plagiarism certificate**.

### 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 finalised based on the scrutiny of the applications by the jury & practical demonstrations by the contestants.

Evaluation/ Selection criteria will include novelty of the idea, complexity, clarity and details in the prescribed format, feasibility, practicability, sustainability, scale of impact, 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
  - d) Robotics
  - e) Augmented Reality (AR)/ Virtual Reality (VR)
  - f) Data Sciences
  - g) Quantum Computing
  - h) Cyber Security
  - i) 3D Printing & Design
3. The shortlisted teams/ applicants shall be called 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:**

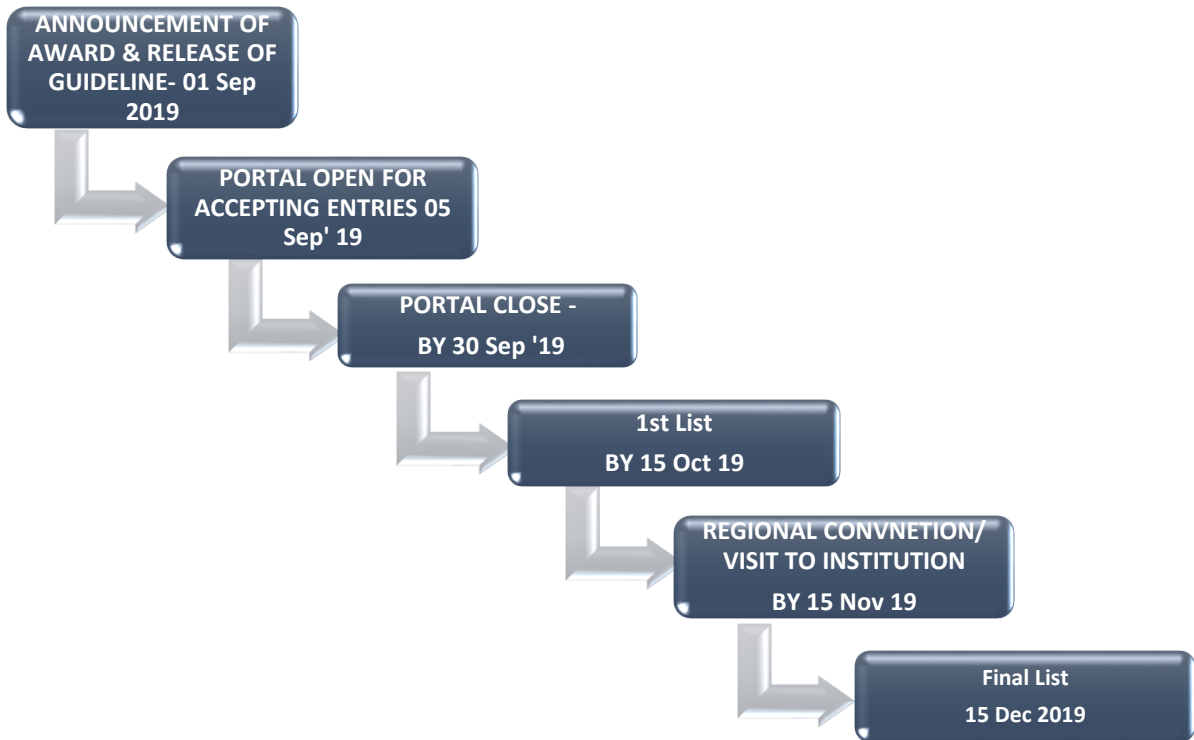
A Jury for the different stages shall be constituted by the Council from time to time. The members in the jury shall consist of eminent educationists, professors, researchers, social workers, representatives of planning bodies, policy formulators and such other persons of repute/ recognition.

#### **Recognition:**

- i. All winners will receive awards and a Scroll of honour in an event likely to be held in January 2020 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

#### **Time Schedule :**



**CATEGORY II**

**UTKRISHT SANSTHAN VISHWAKARMA AWARD FOR EXEMPLARY INSTITUTIONAL INTERVENTION**

**Objectives:** This award aims to motivate, recognize and honour the AICTE approved institutions and institutions to raise their performance in the specific domain leading to significant contribution for the growth and development of villages in vicinity. The objective is to foster an ecosystem where institutional support is made available/ rendered on voluntary basis in form of interventions over a sustained period of time leading to measureable outcome.

**The Problem Statement:** Under this category, an institute working towards *“How to enhance the income of Village”* and have achieved measureable outcomes/ provided solutions by necessary intervention for meeting the Aspirations of Rural Society in Sustainable Manner are allowed to send their nominations.

Institutes shall have worked on or contributed towards funding projects/solutions related to rural development/agriculture process or productivity improvement or taken initiatives like creating rural development centre/club in the institute to facilitate student engagement in the said domain or might have done training for Farmers or Villages in the nearby rural area or village focusing on enhancing farmer’s productivity or reducing the input cost of the farmer resulting in **‘Enhancement of income of the Village’**.

The award will be evaluated on the basis of the following major considerations: -

1. **Academic Intervention.** The institute should have undertaken the undermentioned activities utilising the integral resources available in situ.
  - i) No. of DPR for unique individual villages (DPR should include village demographics, needs assessment, challenges faced, socio-economic, landscape and tentative proposed solution).
  - ii) Programmes, Projects, Skill Development Training, other initiatives started on rural development (such as Swatch Bharat, Digital Literacy, Cultural and environmental development, educational support programme etc).
  - iii) Student Club/ Research centres created focused on Rural development.
2. **Practical Intervention:** An activity undertaken by institute by direct intervention in the nearby rural area (outside the premises of the institute) as follows-
  - i) NSS/ NCC/ Students social club activities pertaining to village development.
  - ii) No. of workshops/ training session conducted for women/ villagers for livelihood enhancement in nearby villages along with tangible outcomes if any.
  - iii) Steps taken to support education in nearby villages with results achieved.

- iv) No. of rural development projects funded or piloted (either self-help or through generous contribution from other than govt resources).
  - v) Central/ State govt. projects piloted and implemented.
  - vi) Any other significant contribution in the relevant domain having measurable outcome.
3. **Impact created in the society.** Measurable outcomes to be provided that indicates the success of the Academic and/ or Practical intervention done by the institutes. The outcome can be specified in forms as suggested below:-
- i) Details of impact of Project developed/ implemented by the institute, which has translated into useful/ viable solutions.
  - ii) Impact created either by trying to reduce the input cost of the Villager or by increasing the productivity of the Villager by supporting in any way products/processes/services or any other kind of intervention.
  - iii) No. of employment created/ income enhanced due to institute intervention duly supported by facts and figures.

### **Eligibility Requirements**

1. All AICTE approved institution/ Polytechnic/ University are eligible to apply.
2. Major achievements/activities/initiatives of the Institute/ University during last two years will be considered.

### **Important Instructions for submitting the nominations under USVA:**

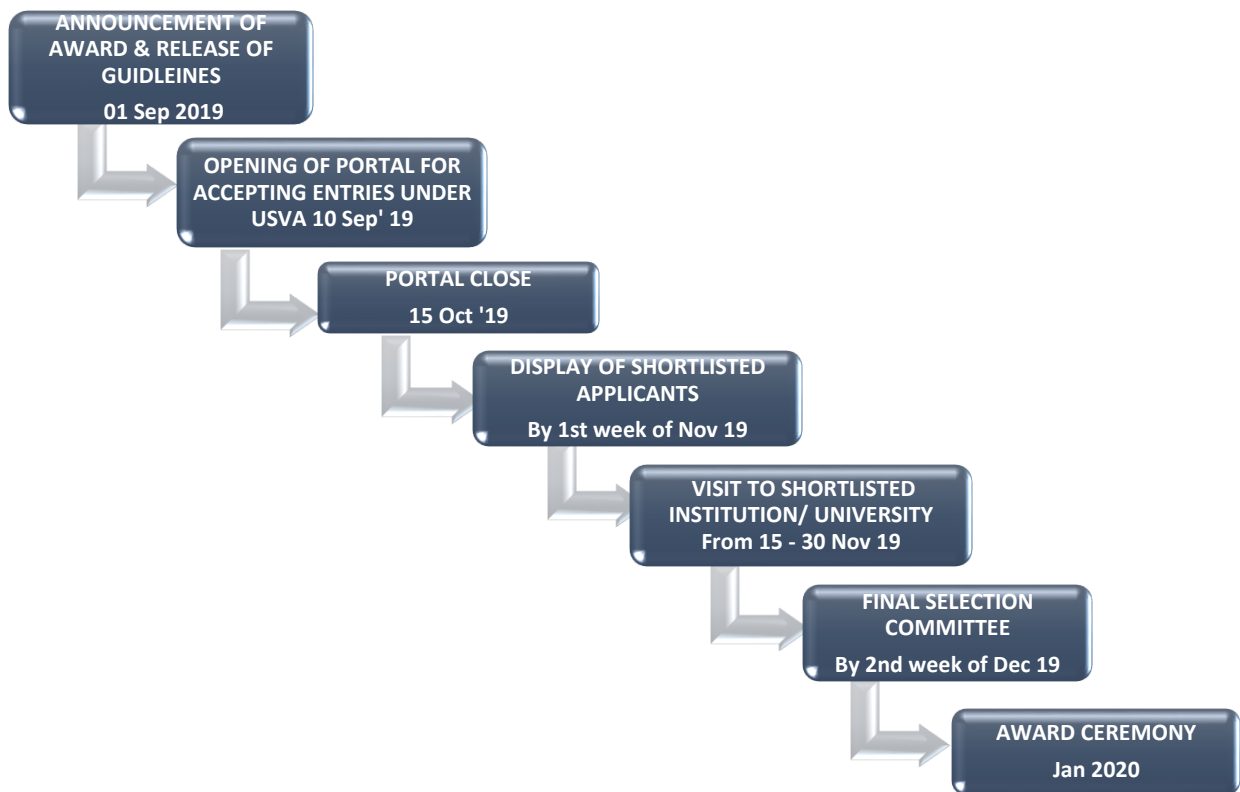
1. Institute can submit online application at <https://www.aicte-india.org> latest by 15<sup>th</sup> October, 2019.
2. An institute shall be allowed to send only 1 (One) nomination. Once submitted, no changes in the application/ data/ options shall be permitted.
3. Institute/ university shall be required to render details of the interventions made as called for.
4. A self- Declaration shall be submitted by the head of the Institute stating that the information given by them in their application is true.

### **Selection Criteria for USVA**

1. The Council shall shortlist the applications based on certain criteria (to be decided by the committee as formed by Council).
2. The Council shall nominate an expert committee to visit the shortlisted institute to verify the claims of the institute. The institute shall produce all suitable documentation, showcase the work done and impact created.
3. The reports and outcome of the visits shall be evaluated by the jury of experts and the results will be charted based on the merits of the case.
4. 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.



## Tentative Timelines for USV Awards



### 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:

All winners will receive awards and a Scroll of honour in an event likely to be held in January 2020 at AICTE HQs., New Delhi.

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