



NMDC DAV POLYTECHNIC

**Shri Atal Bihari Vajpayee Education City, Jawanga,
Geedam, Dantewada
494441, India**

Innovation and Startup Policy

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In the joint collaboration of NMDC Ltd. And DAV CMC New Delhi the institute came into the existence for the Tribal welfare and upliftment towards technical know-how in the year 2010. In the year 2014, the building of the institute was incepted in Shri Atal Bihari Vajpayee Education City (Among top 100 best projects across the world) Jawanga. The institute is certified from ISO 9001:2015. The college established with a vision to reinstate the knowledge and rebuild the auspicious academic environment of Indian tribal community through quality higher education incorporated with tribal culture, multiple skill emancipation, socio-political mainstreaming and self-actualization. Having received education from this college, hundreds of students have received excellent opportunities for life along with science and technology are giving their involvement in various other fields for the development of our country.

NMDC DAV POLYTECHNIC COLLEGE is being located in the Vananchal /Tribal area of State Chhattisgarh. NMDC DAV Polytechnic College has successfully completed its 10 years tenure. The college known for the highest filling of seats during admission in Bastar Zone. The college was established with a vision to reinstate the knowledge and rebuild the auspicious academic environment of the Indian tribal community through quality higher education incorporated with tribal culture, multiple skill emancipation, socio-political mainstreaming and self-actualization. Having received education from this college, hundreds of students have received excellent opportunities of life along with science and technology are giving their involvements in various other fields for the development of our country.

The institute is affiliated with Chhattisgarh Swami Vivekananda Technical University, Bilai and bringing laurels to the University. The college starts with an intake capacity of 60. NMDC DAV Polytechnic College offers two Under Graduate Programs Diploma in Electrical Engineering & Diploma in Mechanical Engineering. The campus is embellished with a favorable and pleasant environment and it offers an energetic and pollution-free academic atmosphere to the students as well as faculty members from across the states, with diverse cultures, promoting mutual understanding and unity.

NMDC DAV Polytechnic College, Dantewada institute of Education has been established with a firm commitment to foster a holistic approach to facilitate and promote studies and research in emerging areas of education.

NMDC DAV Polytechnic College, Dantewada is embarking in this direction with the most cherished goals: - Excellence in standards. Global accessibility to the students. Quality as bench mark for development of infrastructure and human resource. A great teacher is one a student remembers and cherishes forever. Teachers have long-lasting impact on the lives of their students, and great teachers inspire students toward greatness.

In NMDC DAV Polytechnic College, Dantewada, we are empowering our students with a love of language and its power to communicate, to entertain and to express their needs and feelings. We generate the hidden talents in our future teachers through various group and individual activities which are highly recommended for a successful teacher.

We are on a mission to inculcate versatility in development of the dynamic personality of NMDC DAV Polytechnic College, Dantewada students through a lot of Academic as well as Professional preparations. Our integrated teaching program covers all aspects of a groomed nation future.

PREAMBLE

The mission of NMDC DAV Polytechnic, Dantewada is to create an environment that enables teachers, staff, and students to unleash their capabilities in expressing their creative ideas and launching their ventures on the path to becoming successful entrepreneurs. While each student possesses creative ideas, many of these ideas fail to evolve into profitable products that can benefit society due to various challenges. Through this approach, NMDC DAV Polytechnic, Dantewada aims to motivate students to adopt an open-minded attitude, refine their ideas into concrete outcomes, and initiate their own startups. Students should aspire to become providers of employment instead of merely seeking jobs.

The aim of NMDC DAV Polytechnic is to foster entrepreneurship and startups by creating a dynamic and inventive environment. This program seeks to improve the wealth, knowledge, and general development of the country and local community in addition to the students.

By creating this supportive ecosystem, NMDC DAV Polytechnic aspires to empower students with the skills and resources necessary for entrepreneurial success. These students are encouraged to transform their creative ideas into viable businesses, contributing to economic growth and societal advancement. Ultimately, the institution seeks to play a pivotal role in shaping a prosperous future for individuals and communities by championing the spirit of innovation and entrepreneurship.

Vision

"The 'National Student and Faculty Startup Policy-2019,' spearheaded by MHRD's Innovation Cell and AICTE, serves as a strategic framework aimed at transforming the educational landscape to foster a startup and entrepreneurship ecosystem for students and faculty members.

The policy outlines comprehensive guidelines for cultivating an entrepreneurial ethos, managing Intellectual Property Rights (IPR) ownership, technology licensing, and equity distribution in startups or enterprises founded by faculty and students. It also encourages active engagement in innovation and entrepreneurial ventures.

Our vision is to nurture high-caliber technical talent capable of conducting pioneering research, driving innovation, and leading deep-tech entrepreneurial endeavors.

Mission

- To cultivate a vibrant and dynamic startup ecosystem across all departments.
- To empower the institute to proactively involve students, faculty, and staff in

innovation and entrepreneurship initiatives.

- To foster an environment conducive to collaboration, co-creation, business partnerships, and knowledge exchange.
- To streamline the institute's processes for managing Intellectual Property (IP) ownership, technology licensing, and equity sharing.

NISP Committee Details

This committee is constituted to spearhead and coordinate a wide array of activities aimed at fostering a culture of innovation, entrepreneurship, and startup development within the institution.

The Innovation and Start-up Committee will play a pivotal role in driving the strategic vision of the NISP by facilitating initiatives that encourage students, faculty, and staff to actively engage in innovative and entrepreneurial endeavors. The committee will also oversee the implementation of programs designed to cultivate a robust ecosystem for startups, ensuring that the institution becomes a beacon of creativity, collaboration, and enterprise in the region.

The following esteemed members have been nominated to serve on this committee, bringing with them a wealth of expertise, experience, and a shared commitment to advancing the goals of the NISP at NMDC DAV Polytechnic, Dantewada:"

S.No.	Name	Institutional Designation	Designation in Committee
1	Dr. Mukesh Thakur	Principal, NMDC DAV	Chairman.
2	Mr. Raghvendra Dhar Diwan	Lecturer	Coordinator, NISP
3	Dr. Mrs Rubina Sahin	Lecturer	Member
4	Mr. Rituraj Chandrakar	Lecturer	Member
5	Mr. Arun Sao	Lecturer	Member
6	Mr. Paparao Kambala	Lecturer	Member
7	Mr. Vaibhav P Singh	Lecturer	Member

STARTUP POLICY

Objectives

- I. To cultivate a thriving entrepreneurial ecosystem by actively promoting and supporting innovations and startups led by students.
- II. To establish a dynamic startup environment that aligns with and contributes to our nation's key policy initiatives, including Make in India, Start-up India, and Stand-up India.
- III. To develop incubator facilities that offer cost-effective infrastructure and a range of value-added services, such as mentoring, and legal, financial, technical, and intellectual property support, to burgeoning startups.
- IV. To aid in the creation of a regional platform that nurtures the creativity, innovation, and entrepreneurial acumen of our students.
- V. To provide a streamlined platform for the rapid commercialization of technologies developed by students at NMDC DAV Polytechnic, Dantewada.
- VI. To offer an expedited pathway for the monetization of ideas, services, and products through strategic collaborations with government bodies, industry partners, and financial institutions.
- VII. To establish a unified policy framework that governs all innovation and startup activities at NMDC DAV Polytechnic, Dantewada under the comprehensive oversight of the "Innovation and Start-up Committee," as mandated by the management of NMDC DAV Polytechnic, Dantewada.

Applicability Norms

This innovation and startup policy of our institute is designed to be broadly applicable, ensuring comprehensive support and guidance for a diverse range of stakeholders within our academic community:

- I. **All Students and Faculty of NMDC DAV Polytechnic:** This policy extends to all current students and faculty members of **NMDC DAV Polytechnic**, providing them with the necessary resources, frameworks, and opportunities to engage in innovative activities and entrepreneurial ventures. It is aimed at fostering a culture of creativity and enterprise within the academic environment, encouraging both students and faculty to explore, develop, and launch innovative ideas and startups.
- II. **Alumni of NMDC DAV Polytechnic, Dantewada:** The policy also encompasses the alumni of NMDC DAV Polytechnic, Dantewada, offering them continued support and access to the institute's innovation and startup ecosystem. By including alumni, the policy aims to create a lifelong connection between the institute and its graduates, encouraging them to contribute to and benefit from the evolving entrepreneurial landscape, even after they have completed their formal education.
- III. **Management of NMDC DAV Polytechnic, Dantewada:** Furthermore, the policy is applicable to the management of NMDC DAV Polytechnic, Dantewada, ensuring that

they play a pivotal role in fostering and sustaining an environment conducive to innovation and entrepreneurship. The management's involvement is critical in providing strategic direction, governance, and the necessary institutional support to ensure the successful implementation and impact of the policy across all levels of the institute."

Teaching the Process of Transforming an Idea into an Enterprise

- The pedagogy for converting an "idea to enterprise" begins with students identifying real-world problems through visits to various sectors, including villages, hospitals, and urban areas, to observe and understand practical challenges.
- Once problems are identified, students are tasked with generating novel and innovative ideas that offer effective solutions. These ideas are then discussed with a mentor faculty member from the relevant domain or program, where they undergo necessary iterations before being formally submitted to the "Innovation and Start-up Committee" for evaluation.
- Selected ideas are presented to the committee, with the most promising ones advancing to the next stage, including participation in national competitions like the Smart India Hackathon. To support and enhance these ideas, students receive guidance through workshops, webinars, lectures, and expert mentorship, all aimed at refining their concepts into viable startups. Following this, students develop prototypes under the direct supervision of a mentor.
- Finally, the ideas are tested in real-world conditions to assess their viability as potential business ventures before being considered for further development.

Support and Services to Foster Innovation and Startups

- I. Laboratories, IT services, training, mentoring, and other resources should be readily accessible to new startups.
- II. Every student aspiring to launch a startup should have a designated faculty member as a mentor.
- III. For prototype or product development, fabrication, and related needs, students will have access to the mechanical workshop. If specialized tools or equipment are required, the institute will provide them through the "Innovation and Start-up Committee."
- IV. Students will receive exposure to and training in the latest technologies from their first year, enabling them to apply these skills to solve real-life problems.
- V. Students will engage in small projects based on their training in cutting-edge technologies, fostering a project-based learning environment that will aid in prototype development in later stages.
- VI. All departments are encouraged to promote student membership in various clubs, participation in internal hackathons, and involvement in technical competitions, with each department responsible for conducting technical workshops and labs.
- VII. Specialized workshops, guest lectures, and short-term courses in areas such as IPR, entrepreneurship development, and technology-based skill development will be organized regularly to equip students with the skills needed for their entrepreneurial journey. The "Innovation and Start-up Committee" will extend comprehensive support to students developing prototypes as solutions to real-life problems, including assistance with securing funding through various government schemes and agencies.

- VIII “Innovation and Start-up Committee” will help students do paperwork for company registrations, for all kinds of startups, no matter whether it is a Proprietary Firm / Partnership Firm / Limited Liability Partnership firm or a Private Limited Company.
- IX Faculty startups may involve only permanent faculty members of NMDC DAV Polytechnic, Dantewada or may include collaboration with students or alumni of NMDC DAV Polytechnic, Dantewada.
- X Faculty must clearly differentiate ongoing research at the institute from their activities related to their startup or company.
- XI If faculty or staff hold a partner or ownership role in a startup, they are required to take a sabbatical, unpaid leave, or use their existing leave.
- XII When a student or alumnus registers a company, they will receive mentorship and introductions to angel investors, venture capitalists, and other investors to support the scaling of their business.
- XIII To foster student ideas, projects, and innovations addressing real-life challenges, NMDC DAV Polytechnic, Dantewada will regularly organize boot camps, visits to rural and underprivileged areas, and hackathons.

Academic Supports and Awards

- I. Students will receive attendance benefits for the time they dedicate to developing their startup.
- II. Any academic gaps resulting from their participation in these activities will be addressed by offering additional special classes.
- III. Measures will be taken at every stage to ensure that students do not experience academic setbacks due to their involvement in innovation and startup activities.
- IV. Student entrepreneurs who begin working on a startup idea from their first year may be allowed to use their startup project as their final year project for degree completion.
- V. If needed and requested, students may be permitted to stay in the institute’s hostels at no cost, with prior written approval from the Coordinator of the “Innovation and Start-up Committee” or the Principal of **NMDC DAV Polytechnic**. However, they will be responsible for paying mess charges.
- VI. Faculty members wishing to take leave for involvement in a startup may be granted up to one year of leave, after which they can return while retaining their seniority.
- VII. To promote the spirit of Entrepreneurship every year on 26th January, **NMDC DAV Polytechnic** will give Best Entrepreneurship Awards to its student(s) coming up as a
 - Startup with highest potential for scalability.
 - The total business done and money raised by the startup
 - A Startup that has built a wider customer base.
 - A startup that has Markets reached out and share captured.

- A startup with Ethical practices incompliance.

All the above eligibility and criteria to be supported with requisite documents and submitted to the Principal's office through Innovation and Start-up Committee.

VIII. The winner of the award will be decided by the "Innovation and Start-up Committee" and its decision will be final and binding to all.

Financial Aspects

- **NMDC DAV Polytechnic** may set up its own fund with kind approval of BOG Chairman and with the consent of a DAV Society or set up a fund with the support from multiple stakeholders that will help very early stage startups and / or startups approved by Innovation and Startup Committee.
- **NMDC DAV Polytechnic** will financially support the individual student startups based on merit within the availability of funds.
- **NMDC DAV Polytechnic** will also work with various state & center Govt. institutions to help students obtain seed funding at their early stage of inception when the students are ready with a Minimum Viable Product (MVP).
- **NMDC DAV Polytechnic** will create partnerships with external angel networks, and incubators, & help link student startups wherever in need on a real-time basis.
- **NMDC DAV Polytechnic** will promote the companies in the program at various forums including funding events and programs.

Dispute Resolution and Jurisdiction

All aspects of this policy will be governed by the NMDC DAV Polytechnic Dantewada or/and through the Innovation and Startup Committee specifically set up and mandated to govern the policy, approve any exceptions, and make amendments to the policy from time to time as deemed appropriate.

The decision of the NMDC DAV Polytechnic Dantewada / Startup Governing Committee will be final. Disputes if any will be decided upon by the Startup Governing Committee. Any further escalation of the dispute after the NMDC DAV Polytechnic Dantewada / Governing Committee decision will be subject to arbitration under The Indian Arbitration Act.

The jurisdiction of all disputes shall be the Dantewada Chhattisgarh, India. Students, Faculty, and all stakeholders under the program are bound by the confidentiality and non-disclosure agreements as released from time to time.