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SRIJAN सृजन
A DIPEX Centre For Entrepreneurship Development

36th Years of Innovation & Encouragement

DIPEX 2027

A State-Level Exhibition-cum-Competition of Working Models

For students of Diploma, Degree and PG programmes in Engineering, Agricultural Technology and ITI across Maharashtra and Goa.



अंत्योदय

Innovating for the Last Mile of Bharat

26th-29th March 2027

NAGPUR

SRIJAN TRUST, A-3, Suvidha-Smita Apt., 1525, Sadashiv Peth, Pune

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To,
The Principal/Director

Respected Sir/Madam,

With immense pleasure, Akhil Bharatiya Vidyarthi Parishad (ABVP) and Srijan Trust announce their flagship event, DIPEX – 2027, one of India's largest and most prestigious state-level exhibition-cum-competition of working models. This event showcases innovative projects prepared by students from Diploma, Degree, Postgraduate programs in Engineering/ Technology and Agriculture, as well as ITIs across Maharashtra and Goa. DIPEX – 2027 will be held from 26th to 29th March, 2027 at Nagpur.

This 36th edition of DIPEX introduces an Idea Presentation as a preliminary phase, followed by a Scrutiny Process for shortlisting the projects that will proceed to the Final Exhibition-cum-Competition. This approach aims to foster greater innovation and encourage a broader range of participation.

DIPEX – 2027 seeks to collaborate with academic institutions and industries to elevate the technological excellence of engineering education. This year's competition invites projects on interdisciplinary themes such as Agricultural Technology, Computational Intelligence, Defence and Cyber Security, Industrial Automation, Energy, Medical/Healthcare Technology, Mobility, Open Innovation, Problem Statements, Sustainable Civil Infrastructures, Waste Management and Safety.

Over the past 35 editions, DIPEX has consistently attracted significant attention from industry professionals and academicians. It provides participating students a unique platform to present their innovative projects to leading experts from industry, academia, and society. Therefore, we kindly seek your personal attention to ensure your esteemed institute's participation in the DIPEX – 2027.

Kindly arrange to display/share the enclosed brochure and details among your students and motivate them to participate.

Looking forward to your active participation in making DIPEX – 2027 a grand success.

Thanking you,

Dr. Rajendra Hiremath
President
SRIJAN Trust

Shri. Devashish Gotarkar
State Secretary
ABVP Vidarbha

Ms. Riya Hindocha
Convenor
DIPEX – 2027



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About Organizers

Akhil Bharatiya Vidyarthi Parishad (ABVP)

ABVP, the premier student organization in India, holds the distinction of being the largest student organization in the world. Since its inception in 1949, ABVP has been committed to addressing student concerns and has consistently led efforts to channelize the energy of youth towards constructive and impactful causes. Recognizing its broader responsibilities as a social organization, ABVP initiated DIPEX as a significant step forward in this endeavour.

SRIJAN

SRIJAN Trust believes that entrepreneurship is a way of life. To promote this vision, SRIJAN – a DIPEX Centre for Entrepreneurship Development was established in 1996 under the Bombay Public Trust Act. DIPEX goes beyond showcasing working models and awarding prizes; its mission extends to fostering entrepreneurship among aspiring engineers. SRIJAN Trust actively supports budding innovators in starting their own ventures and takes dedicated efforts to strengthen Industry-Institute-Society Interaction through a variety of initiatives.

About DIPEX

Incepted in 1986, DIPEX is a prestigious state-level exhibition and competition showcasing working models created by students from Diploma, Degree, ITI, and Postgraduate programs in Engineering and Agriculture across Maharashtra and Goa.

DIPEX serves as a platform to highlight the creativity and innovation of students, providing them with a unique opportunity to present their groundbreaking ideas. Beyond exhibition, it facilitates meaningful interactions with renowned industrialists, academicians, and diverse sections of society.

Over four days of exhibition-cum-competition, DIPEX facilitates an exchange of culture, ideas, and concepts among students from different regions of Maharashtra and Goa.

Today, DIPEX stands as a distinguished platform enabling unique Industry-Institute-Society Interaction inspiring innovation and collaboration.



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Features

Interdisciplinary Themes: Focus areas include Agricultural Technology, Computational Intelligence, Defence and Cyber Security, Energy, Industrial Automation, Medical/Healthcare Technology, Mobility, Sustainable Civil Infrastructures, Safety, Waste Management, and Open Innovation.

Diverse Participation: Over 1,000 participants from Diploma, Degree, and Postgraduate programs in Engineering and Agriculture as well as ITIs from across Maharashtra and Goa.

Enriching Sessions: Engaging brainstorming sessions, interactive seminars, and workshops on futuristic technologies and social themes, for participants as well as for Project Guides.

Distinguished Visitors:

- Esteemed entrepreneurs, industry professionals, startup incubating agencies, researchers, eminent social personalities, and other cross sections of the society.
- Academicians and students of Engineering/Technology, Science, and Agricultural colleges, ITIs as well as Schools from all over Maharashtra and Goa.

Awards

SHODH Award: To The most innovative project of DIPEX-2027.

Best Industry Sponsored Project (ISP) Award: Awarded to the industry sponsored project that effectively addresses real life industry problems with active industry participation, through financial support or technical guidance.

Women And Technical Innovation (WATI) Award: This What is presented to the best project prepared exclusively by the team of female participants.

MSBTE Award: Sponsored by Maharashtra State board of technical education (MSBTE), This award honoured the most outstanding project prepared by diploma students.

General Championship: Conferred to the Institute/ college based on its overall performance in the exhibition.



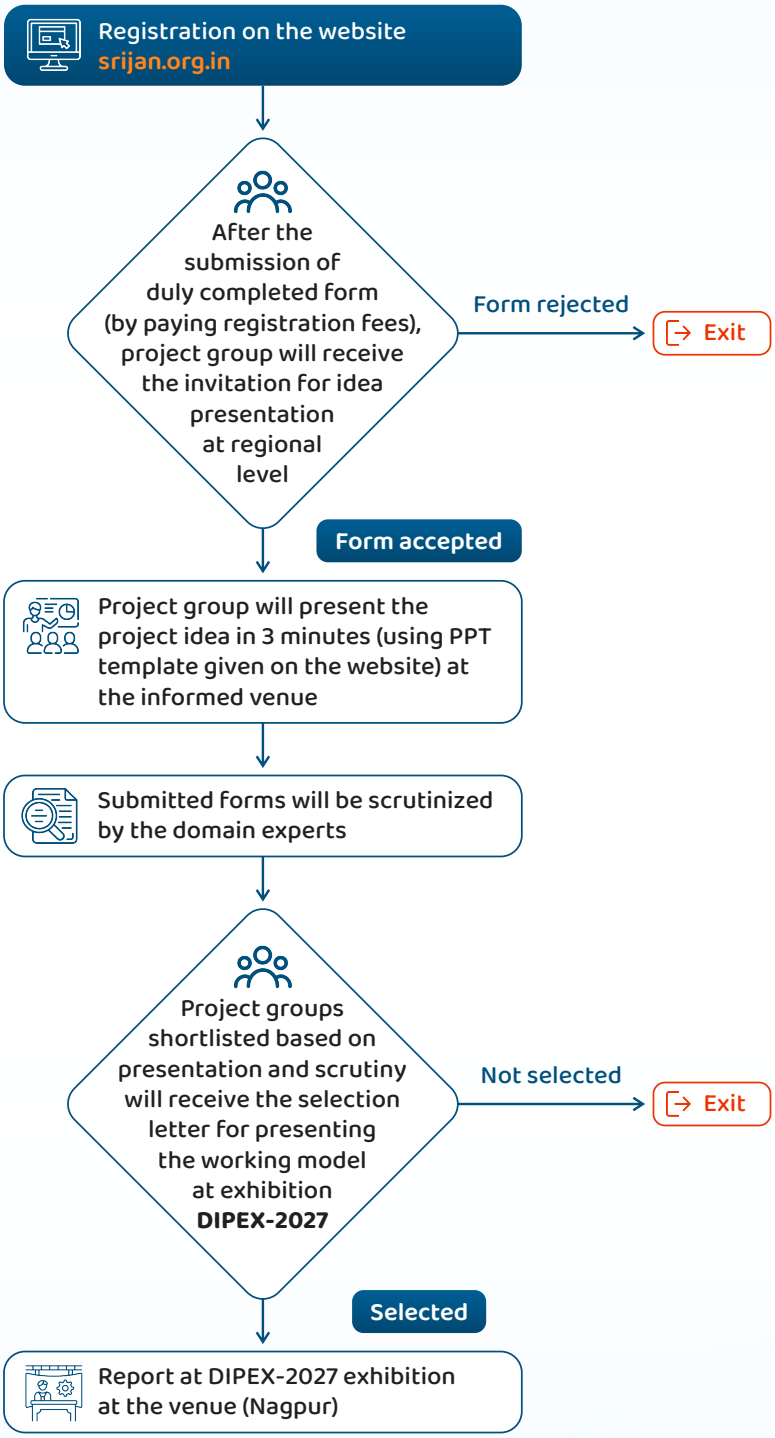
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OVERALL PROCESS OF DIPEX – 2027



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Stages in overall process of DIPEX-2027

1. **Online registration:**
   - Participants are required to register on the official DIPEX website: srijan.org.in
   - After successful registration, a unique login ID and password will be generated for the project group.
   - Each project group will also be assigned a unique token number, which will serve as a reference throughout the competition stages.
2. **Submission of registration form and payment of fees:**
   - Complete the registration process by filling out the required details in the online registration form.
   - Pay the applicable registration fee through the payment gateway provided on the website.
   - Once the registration is reviewed and approved, participants will receive an invitation to participate in the regional-level Idea Presentation Round.
3. **Idea presentation:**
   - Project teams will present their ideas at the designated venue in their region.
   - Each team will have 3 to 5 minutes to present their idea using a standardized presentation template provided on the official website of DIPEX.
4. **Scrutiny of project proposals:**
   - All the submitted project proposals will be scrutinized by domain experts.
   - Please refer to Table 2. for various criteria of the evaluation in Sr. No. 3 and 4
5. **Announcement of shortlisted projects:**
   - Based on the evaluations from the Idea Presentation and Scrutiny of Proposals stages, a list of shortlisted projects will be prepared.
   - The token numbers of the selected project teams will be published on the official DIPEX website and communicated through email.
   - Selected teams will receive an official selection letter, inviting them to participate in the Final Exhibition Round at DIPEX – 2027.



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Stages in overall process of DIPEX-2027

6. Participation in actual exhibition:

- Shortlisted project teams will report to the DIPEX – 2027 venue at Nagpur, according to the provided schedule. A detailed schedule of the four days of DIPEX – 2027 will be made available on the website soon.
- Teams will set up and demonstrate their working models during the exhibition.
- Participants will have the opportunity to interact with industry professionals, academicians, and visitors, showcasing their innovation on a prestigious platform.
- To decide various awards and prizes, panels of juries having industry and academia experts will examine the working models based on various evaluation criteria (refer Table 3.) during the exhibition.

Competition Rules

- The competition is open to the students of Diploma, Graduation and Post-graduation in Engineering and Agriculture [Diploma/B.E/B.Tech/B.Sc (Agri.), M.E/M.Tech/M.Sc (Agri.)] as well as ITIs in the State of Maharashtra and Goa.
- Participants must ensure that all project submissions are original and do not violate any copyright or patent laws. Additionally, the project details provided must be authentic and not generated using AI tools such as ChatGPT, Gemini, MS Copilot, Claude, Perplexity, or similar technologies. Any violation of this rule will result in disqualification of the team/institute from the competition.
- There is no restriction on the number of entries to be sent by any Institute/College.
- The maximum number of participants in each project group should not exceed 4 for Diploma, 6 for Degree, 1 for PG, and 4 for ITI.
- In the first phase, participants will present their project ideas to a panel of experts in an offline mode at a nearby regional centre. The information of regional centres and related instructions will be made available on the website.
- Further, all the submitted project proposals will be scrutinized by domain experts.



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Competition Rules

- The shortlisting for the exhibition round will be based on the recommendations from the idea presentation and scrutiny of proposals. Refer figure no. 1 to understand various stages of the overall process.
- Entries selected from idea presentation and scrutiny stages will receive invitations to showcase their projects at the DIPEX exhibition. Notifications of selection will be sent to the respective colleges and participants.
- Use of ready-made PCBs will not be allowed for the models prepared by the students of Electronics Group.
- For the projects that involve mechanical, civil designs/structures, CAD diagrams must be included in the project details wherever applicable.
- Prizes in each theme section will be awarded as follows:
- First and second prize for the projects prepared by diploma students
- First and second prize for the projects prepared by degree students
- First and second prize for the projects prepared by ITI Student (Separate Section).
- Various themes and relevant project areas are as mentioned on page number 7.
- The project group may consist of students from same/different Colleges, Branches, Years (i.e., Inter College/Inter Disciplinary group) can send entries in any theme.
- Participants must carry an I-Card and bonafide certificate (issued by their college) at the time of reporting at the venue.



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DIPEX-2027 Themes

Theme	Relevant Project Areas (Not Limited To)
Agricultural Technology	Projects related to agriculture tech technologies, irrigation systems, precision agriculture, smart farming, agriculture and agroforestry, food technology, rainwater harvesting, food processing, greenhouse, Cold/ dry storage ETC.
Computational Intelligence	Projects related to artificial intelligence (AI), machine learning, computer vision, innovations in computer/IT engineering, Block chain, Data Science etc
Defence and Cyber Security	Projects related to defence innovations and cyber security and data privacy.
Energy	Renewable energy sources, energy saving devices/equipment/processes, etc projects related to energy.
Medical/ Healthcare Technology	Projects related to innovation in medical devices, medical electronics, tele-medicines technologies, health informatics, pharmaceutical technologies, Medical Science etc.
Industrial Automation	Projects related to robotics, instrumentation, Industry 4.0, automatic material handling, projects related to micro-processor, IOT etc.
Mobility	Projects related to innovations in automobile Engineering, aerospace engineering, eMobility – battery management systems, converters, charging systems, material handling equipment, drones, Safety Equipment, QStack etc.
Safety	Projects related to all the types of safety aspects: Human, industrial, social, agriculture, etc.
Sustainable Civil Infrastructure	Projects related to advancements in roadways structures, bridge infrastructures, building infrastructures, Natural and Man-Maden Disasters Resistance, sustainable engineering materials in transportation infrastructures, tunnelling techniques, underground infrastructures, etc. innovations in civil engineering, Architectural Simulation.
Waste Management	Projects related to recycling of all types of materials, waste-to-energy systems, biodegradable materials, landfill management, environmental engineering, pollution control devices, chemical engineering, etc.
Open Innovations	Other innovative projects that many not be included in above Themes. (Space Tech Related Projects can be Filled into this Domain)
Problem Statement	Projects addressing predefined challenges published on the official DIPEX portal.



Evaluation Criteria for idea presentation and scrutiny phase

Table 1. Various aspects of evaluation for idea presentation.

Sr.No.	Points
1	Problem statement
2	Proposed solution and innovativeness
3	Technical design and feasibility
4	Potential Impact: Application/practical utility to industries/agriculture/society
5	Commercial viability/potential

Evaluation parameters for working models

Table 2. Various aspects of evaluation for working models.

Sr.No.	Points
1	Innovativeness And Originality.
2	Relevance to DIPEX-2027 Themes
3	Field and/or Literature Survey and Problem Identification
4	Work ability/Functionality and Problem Identification
5	Depth Of undertaking/ clarity
6	Technical design and engineering
7	Workmanship and quality of model
8	Impact of the solution: application/ practical utility to industries/ agriculture/ society/ betterment of ruler life.
9	Commercial viability/ Potential/ cost effectiveness
10	Safety/ Environmental/ Ethical Consideration



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GENERAL RULES

1. It is recommended to have students of the same institute in a project group. However, collaboration of students from different disciplines (/branches) and years can be considered in case of interdisciplinary work.
2. All eligible participants and project guides will get participation certificates. Team leader must inform Team DIPEX prior in the case of replacement of participants (if any).
3. Students can send the entry in any section irrespective of his/her discipline. While filling up the entry form, the theme must be selected based on the application of the model and not on the discipline/branch of the Diploma/Degree/ITI/PG course.
4. Participants must carefully select the theme/section. The request of change in the selected theme/section will not be entertained after submission of the form.
5. Participants must exhibit their working models in DIPEX. Only Industry Sponsored Projects which are not feasible to exhibit in the event can present their project in the form of a presentation with actual videos. In such a case, a letter from the sponsor industry stating the reason for not showcasing a project in the event must be submitted at the time of reporting.
6. Industry Sponsored Projects must produce the certificate of sponsorship and acknowledgment of the solution given to the industry at the time of reporting.
7. The list of selected entries will be displayed on the website by the third week of February 2027. Only the selected models will be exhibited in the competition.
8. Participants will receive an email containing the PDF copy of the form filled online. Carry the six hard copies of this PDF and Synopsis along with a selection letter at the time of reporting.
9. The final round of the examination will be held during the exhibition.
10. The judges will have the authority to not to examine models exhibited in an incorrect section and disqualify the same. Participation certificates will not be awarded to any disqualified group.
11. The entry form is available at www.srijan.org.in and to be filled and submitted ONLINE ONLY.
12. Entry fee for each model will be Rs. 800/- (Rs. Eight hundred only)
    Note: Entry fee is non-refundable and to be paid online only.
13. All participants must produce their College IDENTITY CARDS while reporting for the competition. Those without valid ID cards shall not be allowed to participate.
14. The models will be examined by a panel of judges that include industry and academic experts of that field.



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GENERAL RULES

15. All the participants must be present with their models at the time of examination and should answer the questions by the judges.
16. Only the Participants present at the exhibition for all days will get a participation certificate.
17. A trophy of "General Championship" will be awarded to the institute based on its overall performance in the exhibition.
18. All the participants will have to report on 26th March 2027 at 9.00 AM and keep the models ready working before 11.00 AM on the same day. Participants reporting late may not be allowed to participate in the competition.
19. The organizers will provide a stall with sunshade 2m X 3m, a single-phase electrical supply up to 2 kW.
20. Connections above 2 kW load and three phase electrical connections will be provided only with prior intimation at an extra charge of Rs. 250/- (Two hundred fifty only) per connection to be paid at the time of reporting at the Event.
21. The organizers will arrange water for the project, if required with prior intimation.
22. Participants must make the arrangement of their own if they require other utilities like air compressors, oscilloscopes or computers, stabilizers etc. Projects having computers must bring stabilizer and other required accessories.
23. Lodging arrangements will be provided for girl participants at reasonable charges, with prior intimation.
24. Catering services will be made available at the exhibition venue at reasonable charges.
25. Travelling expenses to be borne by the participants themselves or by the Institutions.
26. The participants may obtain student concession for DIPEX-2027 through their Institutes.
27. The decision given by judges in all the matters shall be final.
28. All Participants must strictly follow the rule and regulation as well as schedule of the event. Breaking any discipline will immediately result in disqualification of the participant (or his/her project group) from the event.
29. The organisers reserve all rights and authorities regarding all the matters related to DIPEX-2027.
30. Personal promotion, or any kind of advertising by practising terms is strictly prohibited.



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Schedule of DIPEX-2027

Table 3. Schedule of DIPEX – 2027

1	Date	26th to 29th March, 2027
2	Venue	Nagpur
3	Last Date of Receiving Completed entry forms along with payment of fee.	25th December 2026
4	Regional round (Idea presentation)	15th to 30th January 2027
5	Scrutiny and result completion	1st to 15th February 2027
6	Intimation to selected entries	28th February 2027
7	Reporting at the venue by all the participant with their working model	26th March 2027
8	Project Evaluation	29th March 2027
9	Valedictory Function and Prize distribution	29th March 2027



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Awards and Prizes

Table 4. Award and prizes in DIPEX – 2027

Themes Agricultural Technology Computational Intelligence Defence and Cyber Security Energy Industrial Automation Medical/Healthcare Technology Mobility Open Innovation. Problem Statements Sustainable Civil Infrastructures Safety Waste Management	For the project prepared by diploma students (in each theme section)	**Winner:** Trophy, Certificate & ₹11,000 (Direct Bank Transfer). **Runner-Up:** Trophy, Certificate & ₹7,000 (Direct Bank Transfer).
	For the project prepared by degree students (in each theme section)	**Winner:** Trophy, Certificate & ₹11,000 (Direct Bank Transfer). **Runner-Up:** Trophy, Certificate & ₹7,000 (Direct Bank Transfer).
ITI Section	For the project prepared by ITI students (in ITI pavilion)	**Winner:** Trophy, Certificate & ₹11,000 (Direct Bank Transfer). **Runner-Up:** Trophy, Certificate & ₹7,000 (Direct Bank Transfer).
SHODH Award		A Trophy, Certificate & ₹11,000/- (Direct Bank Transfer).
Best Industry Sponsored Project (ISP) Award		A Trophy, Certificate & ₹11,000/- (Direct Bank Transfer).
WATI Award		A Trophy, Certificate & ₹11,000/- (Direct Bank Transfer).
MSBTE Award		A Trophy, Certificates and ₹ 25000/- (Direct Bank Transfer).
General Championship		A Trophy and Certificate to College
Note: All eligible participants and project guides will get the participation certificates.		

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For further details please contact

Region	District	Contact
Nagpur	Bhandara, Chandrapur, Gadchiroli, Gondia, Nagpur, Wardha.	Utkarsh Nagapure – 9699551702 Nayan Solanki – 7414938354
Amravati	Akola, Buldhana, Yavatmal, Washim	Gauri Bharti – 7499183282 Radhika Gawande – 9579800772
Chh. Sambhajinagar	Chh. Sambhajinagar, Beed, Jalna	Rohit Pawar – 8767443493 Aniket Tambe – 9689372455
Nanded	Nanded, Latur, Parbhani, Hingoli	Samarth Nagmule – 7385969707 Riya Rode – 8830152194 Harjinder Singh – 9552335153
Jalgaon	Jalgaon, Dhule, Nandurbar	Gaurav Pachpor – 9527225638
Karad	Sangli, Satara	Vignesh Ghorpade – 8010075720
Solapur	Solapur, Dharashiv	Aditya Kadam – 7219244814
Kolhapur	Kolhapur	Poonam Durgam – 7721036023
Pune	Pune	Sarthak Velapure – 9272982008
Nashik	Ahilyanagar, Nashik	Rohan Bhujbal – 8010357375 Devendra Deshmukh – 9112793178
Mumbai	Mumbai City, Mumbai Suburban, Palghar, Thane, Raigad,	Pragati Sarang – 8605419901 Alka Yadav – 8080677334 Maitreyi Khedkar – 7620557606
Ratnagiri	Ratnagiri, Sindhudurg, North Goa, South Goa, Kushavati	Kalpesh Walke – 9322490781

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