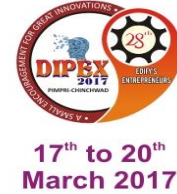




**Organizer**



Address : A-3, Suvidha Smita Aptt., 1525, Sadashiv Peth, Pune 411 030

Outward No.: SRJ/2017

Date: 01-01-2017

To,

The Principal/Director

Respected Sir,

**ABVP and Srijan** has immense pleasure to announce its flagship activity DIPEX. DIPEX-2017, the most prestigious and popular state level exhibition-cum-competition of projects and working models of degree and diploma engineering students, as well as agriculture and PG Science students in the state of Maharashtra and Goa, will be held at **H.A. Ground, Pimpri, Dist. Pune** during 17th to 20th March 2017.

As a part of DIPEX, we would like to embark on a newer voyage and plan to work with the academic institutions & the industry houses with a vision to take the technological excellence of engineering education to next level.

This state level Exhibition-cum-Competition has following vertical:

**Diploma:** Competition of working models prepared by polytechnic students.

**Engineering:** Similar competition for degree and post graduate engineering students

**SHODH:** Competition emphasizing on innovation, is open to engineering and PG science faculty students.

**ISP:** Competition of Industry sponsored projects.

DIPEX over last 27 years has been persistent in attracting an attention of Industry. Students participating in this competition will have an opportunity to present their talent and creativity to industrialists and academia. We, therefore, request your personal attention to ensure participation from your institution for this prestigious competition.

Kindly arrange to display the enclosed details such as schedule of the competition, rules and regulations along with the specimen entry form on notice board for the information of students and faculty.

In our attempt to enhance the standard of the competition, we have introduced certain restrictions on number of entries that are eligible from an institution. We hope you will bear with us and abide by the same.

Looking forward for your co-operation to enable us to make this event a grand success.

Thanking you,

Dr.RajendraHiremath

Treasurer  
**SRIJAN**

Ram Satpute

Secretary  
**ABVP MAHARASHTRA**

Prof.(Mrs.) Sarita V Balshetwar

Convener  
**DIPEX-2017**



### Organizer



Akhil Bharatiya  
Vidyarthi Parishad



17<sup>th</sup> to 20<sup>th</sup>  
March 2017

---

Address : A-3, Suvidha Smita Apt., 1525, Sadashiv Peth, Pune 411 030

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## About organizers

### Akhil Bharatiya Vidyarthi Parishad:

**ABVP** is the premier student's organization of our country. Right since its inception in 1949, it has been continuously at the forefront to channelize the youth energies towards constructive cause. Dipex is a step ahead in this endeavor.

### DIPEX:

DIPEX, started in the year 1986, is a state level exhibition cum competition of the working models prepared by the students of polytechnic, degree engineering and post-graduate engineering courses, agriculture and post-graduate science courses. It is an effort to give exposure to the creativity of the students. It's the only platform available where the students get an opportunity to interact with renowned industrialists, academicians and all the cross sections of the society.

### Trust:

However, exhibiting the working models and awarding the prizes to the best models is not the only aim of DIPEX. It is our effort to offer assistance to the budding engineers to start their own venture. We consider Entrepreneurship is a way of life. Keeping this in view, 'Srijan' (A DIPEX Centre for Entrepreneurship Development) was established in 1996 under the Bombay Public Trust Act.

### DIPEX-2017:

- ❖ Today, DIPEX has become a unique platform of Industry - Institute Interaction.
- ❖ During DIPEX, we also plan to organize seminars/ workshops for participants as well as for Project Guides.
- ❖ Special prizes for project done by exclusively all girls.
- ❖ Display of 250-270 working models.
- ❖ Participation by more than 1000 students from more than 100 engineering colleges and polytechnics from Maharashtra and Goa
- ❖ Organized visits by students and faculty from all over Maharashtra
- ❖ Special attention to projects addressing real life issues, environmental problems, sustainable energy.



**सृजन** DIPEX centre for  
Entrepreneurship  
Development

**Organizer**



**Akhil Bharatiya  
Vidyarthi Parishad**



**17<sup>th</sup> to 20<sup>th</sup>  
March 2017**

Address : A-3, Suvidha Smita Aptt., 1525, Sadashiv Peth, Pune 411 030

**COMPETITION RULES FOR:**

**DIPLOMA GROUP**

- ❖ This competition is open only to the students of polytechnics in Maharashtra and Goa.
- ❖ Any polytechnic OR Institution can send total 9 entries in all 7 groups including all subsections.
- ❖ Maximum 4 Participants are allowed in project group for Diploma.
- ❖ The exhibition cum competition will be held in the following sections.

Group	Maximum Entries per Section	Section	Departments
A	2	A1	Automobile Engineering
		A2	Production Engineering Fabrication Techniques, Machine Tools, Engineering Metallurgy & Materials, printing and packaging.
		A3	Refrigeration, Thermal Engineering, Fluid Power (Pneumatic and Hydraulic Machines)
B	1	B1	Electrical Power and Transmission, Electrical, Mechatronics
C	2	C1	Industrial Electronics, Medical Electronics, Instrumentation
		C2	Telecommunications, Computer Software, computer engineering,
		C3	Information Technology
D	1	D1	Civil Engineering, Architectural – Structural design, Interior Designing Technology, Transportation, Mining.
E	1	E1	Chemical Engineering, Plastic Engineering, Petroleum, Engineering, Paint Technology, Textile Engineering, Timber Technology, Pathological Lab Technology
F	1	F1	Non-conventional Energy Sources, Renewable Energy Sources, Recycling of Waste, Pollution Control Devices, Energy Conservation Devices/ Equipment's, Environmental Engineering
G	1	G1	Agriculture Technology, Food Processing Technology

- ❖ In the prequalification round all the entries will be assessed by judges on the basis of the synopsis submitted by the students. Entries selected by the judges only will be allowed to participate in the exhibition. Selection of entries will be intimated to participants.
- ❖ Use of readymade PCB's will not be allowed for the models exhibited in group C.
- ❖ Two prizes will be awarded in each of the above sections based on the assessment done by the judges.



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**COMPETITION RULES FOR:**

**DIPLOMA GROUP**

❖ The percentage (%) for assessment will be as follows:

Sr.No	Heads	Group ABCDE	Group F	Group G
A	Appropriateness of the model in the section	5	5	5
B	Knowledge of participants about the theory involved	15	20	15
C	Innovativeness and originality	10	10	10
D	Workmanship and quality of model	15	15	15
E	Workability	20	10	15
F	Application/practical utility to industries agriculture and society	10	15	15
G	Commercial potential	10	10	10
H	Environmental care	10	10	10
I	User friendliness	5	5	5
	<b>TOTAL</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>



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**COMPETITION RULES FOR:**

**ENGINEERING GROUP**

- ❖ The competition is open only to the students of Engineering and Post-Graduation engineering courses and agricultural sciences in the state of Maharashtra and Goa.
- ❖ Any institute/college can send any number of entries.
- ❖ Maximum 6 Participants are allowed in project group for engineering.
- ❖ The exhibition cum competition will be held in the following groups

<b>Group</b>	<b>Departments</b>
<b>S-1</b>	Automobile Engineering, Production Engineering Fabrication Techniques, Machine Tools, Engineering Metallurgy & Materials, Refrigeration, Thermal Engineering, Fluid Power (Pneumatic and Hydraulic Machines)
<b>S-2</b>	Electrical Power and Transmission, Electrical, Mechatronics
<b>S-3</b>	Industrial Electronics, Medical Electronics, Instrumentation Telecommunications, Computer Software, computer engineering, Information Technology
<b>S-4</b>	Civil Engineering, Architectural – Structural design, Interior Designing Technology Transportation, Mining.
<b>S-5</b>	Chemical Engineering, Plastic Engineering, Petroleum , Engineering, Paint Technology, Textile Engineering, Timber Technology, Pathological Lab Technology
<b>S-6</b>	Non-conventional Energy Sources, Renewable Energy Sources, Recycling of Waste , Pollution Control Devices ,Energy Conservation Devices / Equipment's, Environmental Engineering.
<b>S-7</b>	Agriculture Technology, Food Processing Technology.

- ❖ In the prequalification round all the entries will be assessed by judges on the basis of the synopsis submitted by the students. Entries selected by the judges only will be allowed to participate in the exhibition. Selection of entries will be intimated to participants.
- ❖ Use of readymade PCB's will not be allowed for the models exhibited in group S-3.



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**COMPETITION RULES FOR:**

**ENGINEERING GROUP**

Assessment weightage (in %) will be as follows:

	<b>Heads</b>	<b>% Weightage</b>
A	Knowledge of participants about the theory involved	25
B	Innovativeness and originality	20
C	Workmanship and quality of model	15
D	Workability	15
E	Application/practical utility to industries, agriculture and society	15
F	Environmental care and user friendliness	10
	<b>Total</b>	<b>100 %</b>

- ❖ Two prizes will be awarded in each of the above sections based on the assessment done by the judges.



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## COMPETITION RULES FOR

### SHODH

- ❖ SHODH- is a competition open to the students of diploma, degree, Post-Graduation in engineering and Agriculture science courses from Maharashtra and Goa.
- ❖ SHODH-being an exclusive competition of innovative models has a prequalification round as other vertical in competition. All the entries will be assessed by judges on the basis of the synopsis submitted by the students. Entries selected by the judges only, will be allowed to participate in the exhibition.
- ❖ Any institute/ college can send maximum **two** entries in SHODH Section.
- ❖ Applicant has to justify the eligibility of their entry in the SHODH section. Therefore, questionnaire and synopsis of the project, strictly as per the specified format should be sent along with the entry form for SHODH. Entries without a synopsis will be rejected.
- ❖ Assessment weightage (in %) will be as follows:

	<b>Heads</b>	<b>% Weightage</b>
A	Knowledge of participants about the theory involved	15
B	Innovativeness and originality	30
C	Workmanship and quality of model	10
D	Workability	10
E	Application/practical utility to industries, agriculture and society	10
F	Commercial potential	10
G	Environmental care	10
H	User friendliness	5
	<b>Total</b>	<b>100%</b>

- ❖ Two prizes will be awarded for SHODH Section, based on the assessment done by the judges.





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### **COMPETITION RULES FOR:**

#### **Industry Sponsored Projects (ISP)**

1. This is a new section introduced for the students. 'Industry Sponsored Projects'. Projects aims at solving real life industry problems or involves participation from industry in terms of financial support or technical guidance.
2. This section is open to the students of Polytechnics, Degree and Post-Graduate Engineering colleges, Agricultural and Post-Graduate Science courses in Maharashtra and Goa.
3. Theme for this section is industry-Institute collaboration. This section aims to promote Industry-Institute interaction and motivate students and faculty to work more closely with Industry on real life problems and issues.
4. This single section will accommodate entries from all engineering faculties. Following projects are eligible for this section.
  - All such projects where students/Institutes have identified any Industry's problem statement and have worked closely with industry successfully on the issue.
  - Industries are involved by any means (financial support, technical support/guidelines, mentoring support).
5. All students have to provide certificate from industry where Institute/ student and project details are clearly mentioned along with Industry's contribution in that project, along with questionnaire and synopsis of the project. Industry should certify that the project fulfills the requirement of Industry. Without such certificate, entries would be rejected.
6. Any Institute/ college can send maximum **two** entries in this section.
7. Separate Assessment of the projects exhibited in this section will be done by panel of judges comprising of faculty and persons from Industry.
8. Participant should exhibit their project/working model in this section. If it is not feasible to exhibit the project in the Event then participant may present their project in the form of presentation/display posters/photos/videos. A letter from the Industry stating the reason for not showcasing project in Event need to be submitted to the organizers.
9. Two prizes will be awarded for this Section, based on the assessment done the judges.





**Organizer**



**17<sup>th</sup> to 20<sup>th</sup>  
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**COMPETITION RULES FOR:**

**Industry Sponsored Projects (ISP)**

**Assessment weightage (in %) will be as follows:**

	<b>Heads</b>	<b>% Weightage</b>
A	Knowledge of participants about the theory involved	15
B	Requirement gathering, understanding problem statement of industry	30
C	Acknowledgement of industry about resolution	20
D	Workability	15
E	Workmanship and quality of model	05
F	Environmental care	10
G	User friendliness	05
	<b>Total</b>	<b>100%</b>



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## **GENERAL RULES FOR DIPLOMA/ENGINEERING/SHODH/ISP**

1. All students exhibiting a particular model should belong to the same Institution. The number of students per model shall **not exceed four (4) for DIPLOMA and Six (6) for ENGINEERING/SHODH/ISP.**
2. Student studying in any discipline can send an entry in any section. The choice of section should be made based on the field/topic/application of the model and not on the discipline/branch of diploma/degree course.
3. The choice of section is to be given by the students themselves in the entry form while submitting the form. **No change in this choice will be allowed thereafter.**
4. **Selection list will be sent to the college as well as displayed on the website by 15<sup>th</sup> February, 2017** and only such model can be exhibited in the competition. The participants should bring selection list along with them.
5. Final round of the assessment will be held during the exhibition.
6. The judges will have the authority not to examine a model exhibited in an incorrect Section and to disqualify the model. Participation certificate will not be awarded for such disqualified model.
7. The participants will have to submit **one hard copy of the project report, one soft copy of Project Report, Synopsis of Project and 5 hard copies of synopsis and questionnaire** for the judges and at the time of reporting. Students should send the synopsis (max. 1000 words) and questionnaire along with the entry form.
8. **Entry form must be completely filled. If any space is left vacant, the application can be rejected.**
9. All participants will have to produce their College **IDENTITY CARDS** while reporting for the competition. No student will be allowed to participate in the competition without a valid Identity Card.
10. Specimen copies of the questionnaire and the entry form are attached herewith. **Photocopies** of the same may be used separately for different Entries.
11. The models will be assessed Section-wise by a panel of judges which will include engineering faculty and persons from Industry.
12. All the participants should be present with their models at the time of assessment and should answer the questions by the judges.
13. The decision given by judges in all the matters shall be final.
14. All the participants present at the exhibition for all days will get a participation certificate.
15. A trophy for **General Championship** will be awarded to an Institution based on its **overall performance** in the exhibition.
16. All the participants will have to **report on 17th March 2017 at 9.00am** and keep the models ready working before 3.00pm on the same day. Participants reporting late may not be allowed to participate in the competition.



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March 2017**

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17. Entry fee for each model will be Rs. 700/- (Rs. Seven hundred only) payable by D.D. in favor of 'SRIJAN-DIPEX FUND' payable at Pune. Cash/Cheque will not be accepted. **ENTRY FEE IS NON-REFUNDABLE.**
18. The organizers will provide a stall with sunshade, single phase electrical supply up to 2 kW.
19. Connections above 2 kW load and three phase electrical connections will be provided only with prior intimation at an extra charge of Rs. 300/- (Rupees Three hundred only) per connection to be paid at the time of reporting at the Event.
20. Organizers will not be responsible to provide other utilities, like air compressors, oscilloscope or computers, stabilizers etc. Projects having computer must bring stabilizer and other required accessories.
21. For participants, lodging arrangements will be provided with reasonable rates.
22. Catering services will be made available at the exhibition venue at reasonable rates.
23. Travelling expenses to be borne by the participants themselves or by the Institutions.
24. The participants may obtain students concession for DIPEX-2017 through their Institutions.
25. Entry forms without entry fees will not be accepted. Entry fee is not refundable.
26. The Organizers reserve all rights and authorities regarding all matters related to DIPEX-2017.
27. Students can send the duly filled Entry forms in following manner :-
  - a) Download hard copy of Entry Form available on your website [www.srijan.org.in](http://www.srijan.org.in) or you can get it from your college.
  - b) Fill in all the details and send it at the address given below along with Entry Fee, Synopsis and Questionnaire

**OR**

- a) Visit our website [www.srijan.org.in](http://www.srijan.org.in) and submit duly filled Entry form online.
- b) Before submitting it, take a print of duly filled entry form and send the printed copy of Entry Form along with Entry Fee, Synopsis and Questionnaire at the following address:

**Srijan, A-3, Suvidha-Smita Apartment, 1525, Sadashiv Peth, Pune - 411030.**

**(Note: There is no provision for online transfer of Entry Fee. Participants are requested to send the Entry Fee and other applicable charges through DD along with hard copy of Entry Form.)**

**For any details please contact:**

**Prof.(Mrs.)Sarita V Balshetwar**  
+919881697956

**Gajanan Wable**  
+919923847634



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### SCHEDULE OF THE COMPETITION

1	Dates of the Exhibition	17 <sup>th</sup> -20 <sup>th</sup> March, 2017
2	Venue	H.A. Ground, Pimpri, Dist. Pune
3	Last date of receiving completed Entry forms along with synopsis and Questionnaire at DIPEX office at Pune	25th-Jan-2017
4	Intimation to selected entries	15-Feb- 2017
5	Reporting at the venue by all the participant s With their models	17-March-2017 09 .00 A M
6	Examination /Assessment	20 -Marc h-2017
7	Valedictory Function Prize distribution	20-March-2017, 5.00 pm – 7.30 pm

### Prizes:

DIPLOMA	ENGINEERING	SHODH – 2017	ISP-2017
For each section	For each section		
First Prize Rs. 5000/-	First Prize Rs. 5000/-	First Prize Rs. 5000/-	First Prize Rs.5000
Second Prize Rs.3000/-	Second Prize Rs.3000/-	Second Prize Rs.3000/-	Second Prize Rs. 3000

Women And Technical Innovation (**WATI**)Award- 2017: **Rs.5,000/-**

❖ All eligible participants & Project Guide will get a participation certificate.



**Organizer**



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## **PROJECT QUESTIONNAIRE :**

(Note: Use separate sheet for each project)

Project title: \_\_\_\_\_

Institution name: \_\_\_\_\_

Institute code:

1. Specific area of application:

\_\_\_\_\_  
\_\_\_\_\_

2. Is it existing concept / product? Y  N

If Yes, mention value addition

\_\_\_\_\_  
\_\_\_\_\_

3. Is it a solution to industry problem or society need? Y  N

If Yes, mention below:

\_\_\_\_\_  
\_\_\_\_\_

4. Parameters on which performance of the project is tested? (e.g. cost/energy savvy, environmental aspect, etc.)

\_\_\_\_\_  
\_\_\_\_\_

5. Please comment on commercially viability of project.

\_\_\_\_\_  
\_\_\_\_\_

**Signature of Group Leader**

For office use only

ENTRY NO.	STALL NO.



Organizer



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## ENTRY FORM

Competition: DIPLOMA  ENGINEERING  HODH

1. Project title: \_\_\_\_\_

2. Names of participants starting with surname: (In English in capital letters)

**(For Diploma: Maximum 4 participants allowed per model)**

**(For ENGINEERING/SHODH/ISP: Maximum 6 participants allowed per model)**

(Starting with Group Leader's name) IN ENGLISH (CAPITAL)

No	Name	Gender M/F	E-mail	Contact No.	Permanent Address
1					
2					
3					
4					
5					
6					

3. Course: Diploma/ Engineering/PG \_\_\_\_\_ Year \_\_\_\_\_

4. Project Guide Name \_\_\_\_\_

❖ Contact No.(O): \_\_\_\_\_ Mobile: \_\_\_\_\_

❖ E-mail: \_\_\_\_\_

**(TO BE FILLED IN BY THE PRINCIPAL/HOD)**

This is the entry in section from our college.

Date:

Signature of the Principal/HOD  
with stamp



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5. College/Institute: \_\_\_\_\_

6. Institute Code: \_\_\_\_\_

7. Full Address: \_\_\_\_\_  
\_\_\_\_\_

Tal. \_\_\_\_\_ Dist. \_\_\_\_\_ Pin \_\_\_\_\_

Phone No.(with STD code):Fax No.: \_\_\_\_\_

E-mail: \_\_\_\_\_

**(Fax No. and College E-mail ID are compulsory)**

8. Model to be entered in which section? \_\_\_\_\_

I have gone through all the rules and regulations attached here with and I agree to abide by the same.

**Signature of group leader**

**REQUIREMENTS (Tick Right Option)**

a)A.C.Power supply	1phaseLess than 2kW <input type="checkbox"/>	1phase More than 2kW <input type="checkbox"/>	3phase <input type="checkbox"/>	Not Required <input type="checkbox"/>
b)Water Supply	Stored Water 200lit.barrel <input type="checkbox"/>	Not required <input type="checkbox"/>		

**PAYMENT DETAILS** (Write the correct amount as applicable)

A. Entry Fee	Rs.700/-
B. Connection charges for three phase/more than 2kW load (Rs.300/- per connection) If applicable, it is to be paid while reporting	
In words	

D.D.No/Transaction ID:

D	D	M	M	Y	Y	Y	Y

Bank Name: \_\_\_\_\_

I understand that above charges are not refundable

Date: \_\_\_\_\_

**Signature of Group Leader**





**Organizer**



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## **DIPLOMA- ENGINEERING- SHODH- ISP: 2017**

### **SYNOPSIS of PROJECT**

1. Title (Representing basic engineering principle or working of the model):
2. Working Principle (Max 100 words):
3. Application of the model & Advantage over existing versions of the model (Max 50 words):
4. Important design aspects (Max 100 words):
5. Justify your entry in SHODH section (for SHODH entry only): (Max 50 words):

**(Signature of Group Leader)**

**(Limit: Max. 1000 words, A4 size one side only, typewritten/ neatly handwritten)**

