

BEST PRACTICE NO.1

Title of the Practice: ROBOTICS CLUB (Team Jaguar)

ROBOTICS CLUB (ROBOCLUB) is a Students' Association of PDEA's College of Engineering, Manjari Bk., Pune. ROBOCLUB is a Co-curricular activity that aims to engage students with a fun and enjoyable way of learning new skills as well as to cultivate leadership and entrepreneurship capabilities. All members are active in the team

Goals:

- Along with participating in robotics events and competitions, our students conducting seminars, workshops and lectures for students to make them clear about the term 'robotics'.
- In collaboration with different institution they conduct lecture series for student.
- To club together the knowledge from various branches of Engineering into the field of robotics.
- To go deeper in the sector of robotics year by year.
- To provide a platform for students to showcase their creativity and innovation

Context:

Robotics consists of design, construction, operation, and application of robots with computer based control systems, sensory feedback systems and information gathering and processing. The overall design of a robotic systems employs together principles of electronic engineering, mechanical engineering and computer engineering. The students of all branches participate in this club. Working in group permits the students from different domain to work together for solving problems that require skills from varied discipline.

The Practice:

Team Jaguar is doing lot of activities like conducting workshops , seminars for beginners , providing training to students , industrial tours to get the actual feel of automation industries , encourage for participation in national competitions like Techfest, Technovanza, Mindspark and E-Yantra etc. Robotics club organizes Inter college event like RoboRace , RoboMaze as a technical events.

Evidence of Success:

- Up till date, **Team Jaguar** have 117 winnings in the events across the country.
- They have maintained the #1 ranking in many competitions.
- They have some unbeatable records such as, 3 times in IIT Bombay, 3 times in JECRC Jaipur, 6 times champions in COEP, 3 times consecutive winning in *Technovanza* (VJTI, Mumbai), 8 times second in *Aquarace* (Nagpur), 17 times second in *Aquarace* at IIT Bombay, 12 times second in *Aquarace* at MIT Pune.
- Upgraded as the international champions in May 2018.
- Selected for the FMB championship 2020.
- World champions in *Robosoccer* and *Robo race*.

Problems Encountered and Resources Required:

As the popularity of this club is increasing among the students of our college, we provide training to school students about Robotics. Training from Expert will also be beneficial for students who are really interested in these activities.





विजयी विद्यार्थी मेडलसह.

मांजरी अभियांत्रिकी महाविद्यालयाचे यश

लोकमत न्यूज नेटवर्क

मांजरी : मांजरी बुद्रुकमधील पुणे जिल्हा शिक्षण मंडळाचे अभियांत्रिकी महाविद्यालयातील अभियांत्रिकीच्या टीम पी.डी.ई.ए. ज्यागवॉरमधील विद्यार्थ्यांनी विज्ञान आणि तंत्रज्ञान मंत्रालय, भारत सरकार व ऑल इंडिया कमिशन ऑफ रोबोटिक्स अँड ऑटोमेशन, नवी दिल्ली यांच्या संयुक्त विद्यमाने आंतरराष्ट्रीय पातळीवरील आयोजित करण्यात आलेल्या 'टेक्नोशियन चॅम्पियनशिप २०१८' अंतर्गत रोबोटिक्स चषक स्पर्धेमध्ये नावनेयपूर्ण कामगिरी करून प्रथम क्रमांकाचे पारितोषिक मिळविले, अशी माहिती महाविद्यालयाचे प्राचार्य डॉ. रितेश पाटील यांनी दिली.

या स्पर्धेमध्ये टीम पी.डी.ई.ए. ज्यागवॉरच्या राहुल परदेशी, सोरभ सोनवणे, प्रतीक पाटील, शैलेंद्र त्रिपाठी यांनी सहभाग घेतला होता. स्पर्धेमध्ये विद्यार्थ्यांनी एकत्रितपणे १ लाखाचे पारितोषिक प्राप्त केले. संपूर्ण भारतामधील व विविध देशांमधील २८० संघांनी या स्पर्धेमध्ये सहभाग घेतला होता.

महाविद्यालयीन विद्यार्थ्यांनी आंतरराष्ट्रीय पातळीवरील मिळविलेल्या देदीप्यमान यशाबद्दल संस्थेचे अध्यक्ष अजित पवार, उपाध्यक्ष राजेंद्र घाडगे, मानद सचिव संदीप कदम, खजिनदार मोहनराव देशमुख, उपसचिव लक्ष्मण पवार, सहसचिव आत्माराम जाधव, प्राचार्य डॉ.रितेश पाटील यांनी विद्यार्थ्यांचे अभिनंदन केले.

BEST PRACTICE NO.2

Title of the Practice: " Entrepreneurship Development Cell (EDC)"

The institute's " Entrepreneurship Development Cell (EDC)"is always providing the best possible ways to create new budding entrepreneur. To prepare the students for their future journey as entrepreneurs EDC motivate the student. The EDC team regularly visits surrounding areas and villages to find new area where students are provided awareness on various social, moral, ethical principles of entrepreneur life. Activities are conducted under EDC so that the students acquire moral and ethical values in them.

Goals:

The following objectives were set for EDC.

- 1 .Create awareness on Entrepreneurship among the students through training programs and campus events
2. To identify and motivate budding entrepreneurs
3. To facilitate budding entrepreneurs by providing information on entrepreneurial opportunities
4. To create data base and networking to help entrepreneurs
5. To assist entrepreneurs in product development

Context:

Through rigorous planning and management, the institution focuses at delivering to the best of it's abilities the vision of the college. It has been a matter of utmost importance to provide the best education possible to students who deserve it. Through several institutional practices, we try to make this journey as easy as possible for everyone.

The Practice: The students are first made aware of Entrepreneurship activity at the first year through introductory sessions. Students are selected for Entrepreneurship unit on Interview basis. At the time of interview various qualities of students are checked. We arrange several guest lectures under this EDC. We promote Entrepreneurship development activity for our students. Many sister concern of our PDEA's take active participation.

Evidence of Success:

- Mr Kiran Sawant has started the Company, Trimurti dairy farm at Baramati near to Pune.
- Mr Abhisek Korpe has started the business KORPE PRECISION PRIVATE ltd.
- Mr Vikas Gawande started Packaging Company .
- Mr Harshal Undre has started MANGALMURTI INDUSTRIES at Manjari near PUNE.
- Mr Amit totre has started IMPERIUM DIGITAL NETWORK .

Problems Encountered and Resources Required:

1. Financial assistance we are getting is less.
2. Human resources constraints have restricted some of our budding entrepreneurs .

Mangalmurti Industries



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