SAEINDIA
TIFAN – 2025
7th Edition
Technology Innovation Forum for Agricultural Nurturing
TIFAN Industry Connect
SAEINDIA was started in 1994 and is a strategic alliance partner of SAE International (Founded in 1904) registered in India as an Indian nonprofit engineering and scientific society.

The organization focuses on advancing the engineering and technology of mobility systems, which includes automotive, aerospace, and commercial vehicles. SAEINDIA provides a platform for engineers, professionals, and students to share knowledge, develop skills, and network with peers in the mobility industry.

SAEINDIA organizes several prominent competitions aimed at fostering innovation, practical skills, and teamwork among engineering students. These competitions provide hands-on experience and exposure to real-world engineering challenges.
What is TIFAN?

➢ **TIFAN : Technology Innovation Forum for Agricultural Nurturing**

➢ An Off-Highway Initiative by SAEINDIA (Society of Automotive Engineers) in collaboration with different industries and industry executives across India.

➢ TIFAN is a student competition program, incubated in 2018, aims to promote innovation and technology in agriculture. The program is designed to encourage students to produce innovative solutions that can help improve the agricultural sector in India.
Introduction

CONVENER
Mr. Sandip Rajput,
Technical Lead
John Deere India Pvt. Ltd.

Sponsors Lead
Mr. Gyanendra Yadav,
Sr. Engineer - C&F Hyd.
John Deere India Pvt. Ltd.

Mr. Swapnil Bagul,
Lead Engineer - Engines
John Deere India Pvt. Ltd.

Ms. Anjali Patel,
Sr. Engineer - Large Tractor
John Deere India Pvt. Ltd.

TIFAN 2025 Theme
Automated Multi-Vegetable Transplanter
Launched in July 2023

- Land Preparation
- Planting
- Spraying
- Harvesting
The off-highway forum initiated the competition targeted to solve the farming challenges using mechanized solutions. It provides a platform for connecting the bright and prosperous engineering talent available in the country with the real-life challenges of the agriculture sector. Through this program, students from engineering and agricultural colleges across India will participate in providing innovative solutions to product design & development challenges.

**Self – Propelled Onion Harvester**

<table>
<thead>
<tr>
<th>Year</th>
<th>Registration</th>
<th>Final Round</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018</td>
<td>28 Team</td>
<td>17 Team</td>
</tr>
<tr>
<td>2019</td>
<td>37 Team</td>
<td>24 Team</td>
</tr>
<tr>
<td>2020</td>
<td>57 Team</td>
<td>42 Team</td>
</tr>
<tr>
<td>2022</td>
<td>31 Team</td>
<td>28 Team</td>
</tr>
</tbody>
</table>

**Automated Multi-Vegetable Transplanter**

<table>
<thead>
<tr>
<th>Year</th>
<th>Registration</th>
<th>Final Round</th>
</tr>
</thead>
<tbody>
<tr>
<td>2023</td>
<td>28 Team</td>
<td>15 Team</td>
</tr>
<tr>
<td>2024</td>
<td>57 Team</td>
<td>27 Team</td>
</tr>
</tbody>
</table>
SAEINDIA TIFAN – JOURNEY

2018
Krishnat Patil
CPS Manager, John Deere

2019
Sandeep Mahajan
Ex John Deere

2020
Vivek Joshi
PDI Team Head, John Deere

2022
Amit Bora
Corporate Affairs Manager, John Deere

2023
Sanjay Desai
General Manager, Mahindra & Mahindra

2024
Ajay Aggarwal
Combine HX Manager, John Deere

TIFAN 2025 Theme
Automated Multi-Vegetable Transplanter

24th June 2024 to 15th Aug 2024
Pre & Final Registration

28th & 29th Sept 2024
Qualifying Round

15th & 16th March 2025
Final Design Evaluation

28th to 30th March 2025
Final TIFAN Event
TIFAN 2024 Highlights

➢ Record Registration: Over 70 teams from 10 different states
➢ Final Competition: 27 teams with around 500+ students participated
➢ Historic Inclusion: First-ever participation of three 100% women's teams
TIFAN 2024 JOURNEY – College Connect

➢ 20+ Seminars, 20+ Webinars, 100+ college connects, 1500+ students connects
TIFAN 2024 JOURNEY – Mentor Connect

➢ 6+ Physical Workshops held across India, 50+ Mentors live interaction with students
TIFAN’25 - Participating Team Statistics

- **43* Registration**
- **8 States**
- **2 Mentors/Team**
- **5 Women Team**

* Registrations ongoing
TIFAN 2025 Theme: Automated Multi-Vegetable Transplanter

➢ Mechanized Solution to develop an Automated Multi-Vegetable Transplanter Machine to aid the planting process of Farming

➢ An Ideal solution towards precision Planting for the farmers

➢ Machine Ability to use multi-functional, multi-crop selection abilities (Tomatoes, Chilies, Brinjal)

➢ Designs to be evaluated based on: Productivity, Innovation, Performance & Cost of operation

➢ Basic Design Consideration to follow below machine operation principles:

- Pickup sapling from tray
- Hold/Convey Sapling
- Dig a hole in soil
- Drop the sapling
- Cover the soil
Industry Connect & Networking Opportunities
Awards & Nominations Worth Up to Rs. 6 Lakhs
Media Recognition
Presence of Incubators
Sponsor Stalls
HR Drive & Spot Placement Offers
Mentorship from Industry Experts
Technical Seminars by Industry Experts
Hands-on Workshops
Technical Quizzes & Competitions
Exciting Prizes from Sponsors
## Sponsorship Benefits

<table>
<thead>
<tr>
<th>Benefits</th>
<th>Platinum</th>
<th>Gold</th>
<th>Silver</th>
<th>Bronze</th>
<th>Associate</th>
<th>Event Sponsors</th>
<th>Support Sponsors*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sponsorship Amount</strong></td>
<td>INR 10 Lakhs</td>
<td>INR 5 Lakhs</td>
<td>INR 3 Lakhs</td>
<td>INR 2 Lakhs</td>
<td>INR 1 Lakhs</td>
<td>INR 50,000</td>
<td>ANY</td>
</tr>
<tr>
<td><strong>Advertising Banner</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Event Main Entrance Arch Banner (30ft X 2ft)</td>
<td>1</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Venue Arch Banner (20ft X 12ft)</td>
<td>5</td>
<td>3</td>
<td>1</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Vertical Poster (3ft X 8ft)</td>
<td>10</td>
<td>5</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Outer Banner (8ft X 3ft)</td>
<td>10</td>
<td>5</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Banner (12ft X 10ft)</td>
<td>10</td>
<td>5</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Small Banner (6ft X 5ft)</td>
<td>5</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td><strong>Digital Marketing</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Logo Presence on SAE TIFAN registration website</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>Logo on Participation Certificates</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>Logo Presence during Email Communication &amp; Official events, Team Meetings Background</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>Logo Presence on social Media pages of SAE India (Linkedin, Facebook, Instagram)</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Audio/Visual Branding in Dining Area</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Promotional Material in Student's &amp; judges kits (Score sheets, Checklists etc)</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Vinly Stickers on students implement (Vehicles)</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Dignitary for sponsored Award Distribution</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Sponsored by Logo (On Trophy &amp; Certificate)</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td><strong>Industry &amp; Student Connect</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Branding promotion supplies (Pen/T-shirts/Hats etc.)</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>Opportunity to participate in HR drive/Career Placements</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>Promotional Space (Apt for stall/Booth)-(30ft X 20ft)</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Direct connect with students (webinar/Training videos) * (Educational Promotion ONLY)</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Sharing Database of students and faculty participation</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Lunch/Refreshments/Accommodation for Sponsors (Limited to 2 personal)</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
</tbody>
</table>
THANK YOU

For more details

Mr. Arun Ragu (arunragu@saeindia.org)

https://saeindia.org/tifan/
Technology Innovation Forum for Agricultural Nurturing