IIT ROPAR CONVENER NOTE - Dr. Ekta Singhal

1: What are the challenges faced with the current event at IIT Ropar?

BAJA SAEINDIA 2018 - IIT Ropar, is the maiden BAJA event for IIT Ropar and thus early stage challenges are certainly there. The foremost challenge is related to the shorter gap between the two editions - January in Indore and March in IIT Ropar. The experienced teams and the alumni members had to gear up again within a short duration to begin afresh for the 2nd edition. The team at the institute is working with all the positive energy to make sure that all the required infrastructure and facilities are available along with a huge volunteer team. A major challenge that we faced was related to the planning of the entire event at the new campus of IIT Ropar, which will be utilized for the first time, for such a large event. Safety, Security and Hygienic food have been kept as our prime objectives, and the local administration authorities have been involved for smoother and safe conduct of the event.

2: What led to the finalization of IIT Ropar as the best place for the second event of Baja SAE India?

The positive discussions between Dr. Pawan Goenke, MD – M&M, and Prof S. K. Das, Director IIT Ropar, were a major factor in making the event happen. Aligned to the mission and vision statements of IIT Ropar, BAJA SAEINDIA is one of the supporting moves taken, for hands-on experience of the engineering students. I have been associated with student activities for a long time now and I am overwhelmed with the level of team-spirit, passion and responsibility that the BAJA participants show on the ground. I look forward to showcase this sense of responsibility by each participant which is important for any project to take positive shape. The entire team at IIT Ropar has shown support to the event, and looking forward for the positive energy to be showered during the event days.

ABOUT IIT ROPAR

Indian Institute of Technology Ropar is a young IIT established with seven other IITs in the year 2008. With excellent ambience and location, being situated near the river Satluj, and serene beauty of nature, the campus holds best infrastructure. The mission of IIT Ropar is “To foster a transformative learning environment and a culture of excellence enabling creation of knowledge and development of socially responsible, enterprising leaders contributing significantly to national progress and humanity.” It also has a distinctive curriculum that combines rigor and relevance thereby providing a hands-on learning experience to the students.

To promote globally competitive intellectual growth and skill acquisition, this year IIT Ropar is hosting “BAJA SAEINDIA 2018-IIT Ropar”, a platform to infuse a sense of excitement in engineering students from all over India for innovation, invention, design & creation, entrepreneurship and productive partnership between the industry and the Institute.
The climate of Ropar is characterized by general dryness (except in the south west monsoon season), a hot summer and a cold winter. Intermittent showers along with light winds are expected during the event.

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<tr>
<td>WED 3/7</td>
<td>THU 3/8</td>
<td>FRI 3/9</td>
<td>SAT 3/10</td>
<td>SUN 3/11</td>
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<tr>
<td>31° /21°</td>
<td>32° /22°</td>
<td>28° /18°</td>
<td>27° /18°</td>
<td>28° /18°</td>
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<tr>
<td>Partly sunny and very warm</td>
<td>Partly sunny and very warm</td>
<td>Partial sunshine</td>
<td>Clouds breaking for some sun</td>
<td>Mainly cloudy</td>
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BAJA SAE INDIA 2019 - CONVENER NOTE

Mr. Umesh Shah
Convener, BAJA SAEINDIA 2019
COO - Commercial Vehicle & Railway

1: What is your vision for BAJA SAEINDIA 2019?

It shall be the collaborative effort and continued commitment that will make BAJA SAEINDIA 2019 an astounding success. I would like to personally thank each one of you who made these 11 editions a distinctive one. This coming season has to be built through a shared vision and passion among students, industry professionals and sponsors from all over the nation and beyond.

My vision is to make BAJA SAEINDIA a unique platform wherein students grow by gaining new technical knowledge, living real live experiences, daring to try and fail and try again, leading to creating a vibrant engineering community ready to deliver the challenges of automotive engineering of tomorrow.

2: How according to you is BAJA growing year on year?

Through the years, I have seen BAJA grow leaps and bounds with just 27 teams in 2007 to 388 teams in 2018. With increasing participation from the industry to sponsor this initiative, with more experienced judges, alumni’s, technical inspectors and volunteers coming forward to help the event, it is gradually becoming a self-sustaining machine. The energy and vigor of the students is tremendous. Their conceptual understanding and innovative mindset so novel that they are capable of being imbibed into industry without any additional training. The teams participating at BAJA SAEINDIA are able to perform abroad at par with the International teams and have finished in top 10 hence, proving their mettle.

I am thankful to our varied sponsors from Auto OEMs, Auto Suppliers, Technology Partners, Government agencies who have been a pivotal support to make BAJA SAEINDIA transform from merely an event to a dream event for engineers pursuing Automotive Engineering as their career destination.

3: What are your plans for BAJA SAEINDIA 2019 to take it to newer heights?

We can clearly see the growth in the participation from engineering colleges every year. Now we have a fair amount of maturity in students for getting their ideas converted into reality. The next level would be to make all the vehicles participating match the international standards of design, safety, quality, emissions, manufacturability & ultimately saleable. The event organization committee is continuously striving to exceed expectations from the perspective of event management, maintaining fairness, and focus on safety, innovation & learning. We are setting our eyes on e-BAJA to make our students future ready for e-mobility solutions and automotive trends for times ahead.

I wish all the best to the participating teams and congratulate the Steering Committee, Organizing Committee, and the Alumni Committee for their continued efforts to scale the event to newer heights.

BAJA SAEINDIA 2019 EVENT SCHEDULE

VIRTUAL ROUND - CHITKARA UNIVERSITY, CHANDIGARH

<table>
<thead>
<tr>
<th>Day</th>
<th>Dates</th>
<th>mBAJA &amp; eBAJA Teams</th>
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<tbody>
<tr>
<td>Day 0</td>
<td>12th July, 2018</td>
<td>Team Registration, Press Conference &amp; Judges Meet</td>
</tr>
<tr>
<td>Day 1</td>
<td>13th July, 2018</td>
<td>Team Registration, Inauguration Function, Virtual Presentations</td>
</tr>
<tr>
<td>Day 2</td>
<td>14th July, 2018</td>
<td>Team Registration, Virtual Presentations &amp; Valedictory Function</td>
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M-BAJA AND E- BAJA - PITHAMPUR - NATRIP, MADHYA PRADESH

<table>
<thead>
<tr>
<th>DAY</th>
<th>DATE</th>
<th>mBAJA</th>
<th>eBAJA</th>
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<tbody>
<tr>
<td>Day 0</td>
<td>23rd Jan, 2019</td>
<td>BAJA HR Aptitude Test (BAT), Press Conference &amp; Judges Meet</td>
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<tr>
<td>Day 1</td>
<td>24th Jan, 2019</td>
<td>Registration, Inauguration, Technical Evaluation, Go Green, Cost and Sales Presentation</td>
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<tr>
<td>Day 3</td>
<td>26th Jan, 2019</td>
<td>Technical Evaluation, Dynamic Event</td>
<td>Endurance Run</td>
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<tr>
<td>Day 4</td>
<td>27th Jan, 2019</td>
<td>Endurance Run &amp; Valedictory</td>
<td>Valedictory</td>
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<tr>
<td>Day 5 &amp; 6</td>
<td>28th - 29th Jan, 2019</td>
<td>BAJA SAEINDIA 2019 HR Meet</td>
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M-BAJA - IIT ROPAR, PUNJAB

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<tr>
<td>Day 0</td>
<td>7th Mar, 2019</td>
<td>BAJA HR Aptitude Test (BAT), Press Conference &amp; Judges Meet</td>
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<tr>
<td>Day 1</td>
<td>8th Mar, 2019</td>
<td>Registration, Inauguration, Go Green, Technical Evaluation, Cost, Sales Presentation</td>
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<tr>
<td>Day 3</td>
<td>10</td>
<td>Endurance Run &amp; Valedictory</td>
</tr>
<tr>
<td>Day 4</td>
<td>11th Mar, 2019</td>
<td>BAJA SAEINDIA 2019 HR Meet</td>
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BAJA SAE INDIA 2018
INDORE EVENT HIGHLIGHTS

www.bajasaeindia.org
BAT HR PROCESS

Mr. Shoaib Sadiq
COE Manager HR – Auto Quotient & Farm Passion (M&M Ltd)
Program Mgr & HR Lead - SAE BAJA 2018"

Dear Friends,
We are very excited to host you at BAJA SAEINDIA– IIT ROPAR in March 2018. The fact that we have a second edition this year, resonates with our commitment towards an out-of-classroom education system, giving you all a pragmatic exposure to real world challenges as faced in the industry. The event will also be followed by the HR Meet wherein companies like Mahindra & Mahindra Ltd., ARAI, Cummins, GM, Anand Group, Varroc Group, CARMATE, Elevation Academy, and Altair will be participating.
Going through the selection procedure for the HR Meet, the candidates are first shortlisted on the basis of their merit. The shortlisted candidates then appear for a common BAJA Aptitude Test (BAT). The duration of BAT is 75 min divided into aptitude and technical evaluation segments. After compiling the results, the top 100 students at the Ropar event would be shortlisted for the psychometric rounds which would also be conducted on the same day. All the result would then be collated and shared to the HR team, who in turn will shortlist the candidates as per their requirement. Simultaneously, the shortlisted students would also share their preference of companies that they would like to opt for, out of the companies applicable against their branch. They can select only 3 companies at the most while filling their preferences. Finally on the day of the HR Meet, every Company will conduct their GD, TI and PI rounds and will declare the results for the selected candidates.
The preliminary shortlisting through online test and the psychometric evaluation is planned on 8th of March and about 100 students from 4th year will qualify for the HR meet on 12th March. The 1st leg of this year’s edition at Pithampur, witnessed 77 students being selected/shortlisted by the various visiting companies, and I hope that maximum students participating at the Ropar event also benefit from this meet.
I wish all the participants of BAJA SAEINDIA 2018 – IIT Ropar, all the best for the event and I am looking forward to see you all at the HR Meet.
IMPORTANCE OF KNOWLEDGE TRANSFER WITHIN TEAM

Dr. K.C.Vora
Head ARAI academy & Sr. Deputy Director, ARAI

Before gliding to the importance of knowledge transfer, it is very important to understand the meaning of the term “Team”. A group is a collection of individuals who coordinate their individual efforts. On the other hand, a team is a group of people who share a common team purpose and a number of challenging goals.

Knowledge transfer is the process by which experienced team members share or distribute their knowledge and skills to the members replacing them. Knowledge sharing can be described as either push or pull. The push is expected from the experienced members and the pull is required from the side new members or the members who are going to handle the responsibilities of their seniors. But this is one of the challenges that teams face every year.

BAJA SAEINDIA is the biggest learning platform for Auto enthusiasts. As the event gets over, teams hardly get a month to reform their teams and designate duties to the new members. Meanwhile, many of the teams don’t go through the process of knowledge transfer. As a result, the new teams start from a blank slate every time. This is for the Team captains and leaders of different departments, if your leadership doesn’t make knowledge transfer a clear enough priority and carves out focused time to get it done; your experts will fall back on their status quo “regular work.” Where this is the case, preparation for next-generation members will remain slow, unpredictable, and too little, too late.

To avoid these circumstances, one needs to overcome the barriers that come in the way of knowledge sharing. The barriers can be:

- Insufficient capture, evaluation, feedback, communication, and tolerance of past mistakes that would enhance individual and team learning effects.
- Loss the team members in the middle of the project which is very common amongst the teams.
- Lack of leadership and managerial direction in terms of clearly communicating the benefits and values of knowledge sharing.

But for every problem, there exist a solution too. So, certain practices that a team must perform, not only for BAJA, while working on any project can be:

- Organize brainstorming sessions; exchanging ideas is always great when you can meet with your team or people outside your team and throw ideas at each other.
- Create a knowledge base; it is advisable to all the departments in a team to create their internal design reports related to their department and keep them for future reference. It will also help you with onboarding new team members.
- Last but not the least; create a peer group learning environment in the team. It will enable explicit knowledge sharing between the team members.

Every member in a Baja team should have a habit of writing down notes. As soon as the Baja event is completed, one should start working on formation of new Team and giving them specific responsibilities. The new Team members should track the old team members and sit with their counterparts. Various specs, reports, photos, albums, videos, books, etc. should be studied.

Under the New Product Development, each team member should sit with Old Team members and conduct Lesson Learnt (LL) Sessions, where Things Gone Right (TGR) and Things Gone Wrong (TGW) are discussed and solved. Wherever there are failures, the team should jointly conduct Design Failure Mode & Effect Analysis (DFMEA) and decide recommended actions. This can be further translated into Design Validation Plan (DVP).

Every year this exercise should be conducted and the knowledge should be transferred from one team to another. Faculty Advisor can play a major role here in saving all the relevant data year on year.

Happy Knowledge sharing
END NOTE BY ALUMNI COMMITTEE

With growing participation, thrill, enthusiasm and level of competition at BAJA, the event now caters to the needs of the ever-advancing mobility industry, by cultivating future leaders for the industry. BAJA SAEINDIA is more than just an event. Over the decade, it has become an enthralling way of feeding up the hunger for contest, extensive learning and fervour for podium finish. With an extravaganza as big as BAJA SAEINDIA, it is necessary that even the minute things are well planned and coordinated. Activities such as program management, social media, content writing, content generation, forum management, creative etc. are all managed by the team of highly dedicated BAJA Alumni, who work together to re-live their BAJA memories. The alumni committee works throughout the year to get the backend activities finished in time and get the event to run smoothly. Just after the conclusion of the main event, the alumni committee starts working for the next year, starting with the team registration process for the upcoming year. This committee is responsible for various activities such as team coordination, Baja forum management, branding and creative, event management and coordination for both Virtual BAJA and the main event including the HR meet, Organising Mega Workshops, Handling the social media accounts, BAJACME, planning and execution of various contests etc.

The Alumni committee has emerged as the best medium of connecting to the students and as each year passes by, the suggestions and inputs by the committee has bought drastic changes to the event.

BAJA Alumni committee represents an excellent opportunity for all ex-participants to become a part of the journey that is BAJA SAEINDIA and to contribute to their passion, while continuing to learn to work with new people, finding new passions and develop new interests!

As we move onto another edition of BAJA, newer challenges await! With two different venues, it is expected of the committee to perform more rigorously and its members to add more to the event than before.

The journey awaits! What are you waiting for?
Join us:
REGISTRATION BAR CODE

Do share your valuable feedback with us:

BAJA ACME TEAM 2018-19
