

**OPEN  
CHALLENGE  
TO MAKE  
SPORTS  
SAFER**

**DESI**  **2020**  
**SPORTS ENGINEERING  
PRODUCT DESIGN CONTEST**

**OCTOBER 26, 2020**

**:: ONLINE ::**

**NO AGE OR EDUCATION LIMITS**

**4 CATEGORIES | Rs.10,000 FOR EVERY WINNING IDEA**

**1** **ADVANCED  
PROTECTIVE  
GEARS**



**2** **LIGHT WEIGHT  
BULLOCK  
CART**



**3** **DESI  
FOOTBALL**



**4** **YOUR  
OWN  
IDEA**



**+ SUPPORT TO COMMERCIALIZE WINNING IDEAS**

**IMPORTANT TIMELINES**

September  
**30, 2020**

Submission of the  
abstract of the idea

October  
**20, 2020**

Submission of  
complete proposal/prototype

ENTRY FEE: For individual- **Rs.1000** and for team- **Rs.500** per team member

For more details: visit [www.smri.in](http://www.smri.in) or call **7902633145 / 9995675259**



**SPORTS  
ENGINEERING**



**SPORTS & MANAGEMENT  
RESEARCH INSTITUTE**

MAKING THE BEST SPORTS MANAGERS & SPORTS ENGINEERS

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# Student victim of hammer-throw accident dies of pneumonia



Apheel Johnson's parents George and Darly are inconsolable in front of the mortal remains of their only son | EXPRESS

## Irreparable loss

Apheel Johnson breathed his last at Kottayam MCH after battling for life for 17 days; a hammer thrown by participant fell on his head during a sports meet

EXPRESS NEWS SERVICE  
@Kottayam

PLUS I student Apheel Johnson, 16, who was seriously injured after a hammer fell on his head during the hammer-throw event of the 63rd State Junior Athletic Meet held in Pala, died after battling for life at the Kottayam Government Medical College Hospital for 17 days.

According to hospital authorities, Apheel died of pneumonia around 3.45pm on Monday. Apheel, son of George Johnson of Kurinjamkulam house, Chovvoor near Melukav, was injured on October 4, while serving as a volunteer for the javelin-throw event at the State Junior Athletic Meet. Since, the hammer and javelin throw events were held simultaneously and the venues were in close proximity with each other, Apheel couldn't escape when the hammer, which was thrown by a girl participant, came directly to him.

The hammer, weighing around 3kg, fell on his head from a distance of nearly 42 metres. Though he was rushed to the Government MCH and doctors performed an emergency surgery, his health condition never showed any significant improvement. He breathed his

last around 3.45pm. The police and authorities concerned have conducted an inquest and the postmortem examination will be conducted on Tuesday. The time of the funeral will be decided later. Kottayam tahsildar visited Apheel's house on Monday evening to console the bereaved family. District Collector P K Sudheer Babu said he has intimated the sport minister's office and higher officials, including the state sports secretary, about Apheel's death.

Earlier, the government had announced that it would bear all expenses of Apheel's treatment. According to sources, the government is planning to announce a compensation amount for the family after discussing it at the upcoming cabinet meeting.

Apheel is the only son of George and Darly, who belong to a poor family. Apheel was a student of St Thomas Higher Secondary School, Pala. The police have registered a case in connection with the accident and the investigation is under way. With Apheel's death, the police are likely to amend the charges including the relevant sections in the case. A three-member committee constituted by the sports ministry is also investigating the accident.



Tue, 22 October 2019  
epaper.newindianexpress.com/c/45220454



## LET'S WORK TOGETHER TO MAKE SPORTS SAFER

## ADVANCED PROTECTIVE GEARS

- Every year many gifted future players are leaving sports field due to different degrees of sports injuries. Deaths due to the injuries occurred during gaming is also not rare. Most of these injuries and deaths can be prevented by the use of proper protective gears. It is the responsibility of sports engineering domain to make every sports safe for the participants. If you can invent advanced protective gears, it will reduce the casualties and injuries. Can you make it?

**AHEEL JOHNSON SPORTS ENGINEERING AWARD** will be given to the best concept.

## LIGHT WEIGHT BULLOCK CART & ZERO-PAIN WHIP

- **Bullock cart race** is a traditional sports event of India. What about professionalizing Bullock Cart Race, with light weight modern cart? What about inventing some new tool instead of using a traditional whip to manage the bull? The tool should help the rider to control the bull without causing any pain. If you can imagine, we can do it. Sometimes, it will become an international sporting event like horse riding.

## WORLD CUP FOOTBALL BALL FROM INDIA

- Adidas is the official football maker of FIFA. The sports engineering department of Loughborough University of UK designs new football models for Adidas. Telstar18, the football of 2018 Fifa world cup and Brazuca, the football of 2014 world cup were manufactured in Pakistan. Jabulani, the ball of 2010 world cup was manufactured in China. But, the warm up matches of 2014 world cup was played with footballs manufactured in India. It shows India's possibilities to compete with Pakistan and China to make football for next world cup. If you can dream of some significant changes in existing football models sometimes that may help us to develop a DESI football and will get a chance to make football for the 2026 World Cup. Can you make it?

**Sports & Management Research Institute (SMRI)** is the topmost Sports Management and Sports Engineering Research Institute in India, working to make India a sports superpower. We strongly believe that advanced protective gears are a must to make sports safer. The fourth edition of **NATIONAL SPORTS ENGINEERING PRODUCT DESIGN CONTEST (DESI 2020)** aims to engage and inspire sports loving students and public with engineering acumen to dream, design, to develop low cost desi Sporting Machines to make India Sports Superpower and to develop advanced protective gears. The selected ideas of the previous contests are going through the development stage.

SMRI invites sports loving students and the public with engineering acumen to participate in **DESI 2020** with innovative designs or prototype or final product. The product should be a low cost one. The product doesn't need to be new to the world. You can copy the model of an existing product, but the improved product should be 'economical' to our sports ecosystem. Improvement in the existing design, innovation to reduce the production cost etc. will also be considered.

**Your Own IDEA:** The above mentioned 3 ideas are originated from the classrooms of Sports & Management Research Institute (SMRI). If you can dream, design and develop, a different sports engineering product which is not mentioned above, you are welcome with your idea. The idea must be just related to Sports or must be a product that helps the human mobility such as low cost automated wheelchair.

**Guidelines:**

- The contest is open to all. People across the world can participate. But, if the idea is selected for implementation, it will be manufactured in India.
- The presentation of the idea should be in English only.
- You can participate as an individual or team
- The registration fee for the individual is **Rs.1000** and for team **Rs.500** per team member

**Timelines:**

- **Abstract of the IDEA Submission:** Abstracts not exceeding 500 words in word format along with the registration fee should be sent to the Organizing Secretary through email at **desi2020.smri@gmail.com** on or before **30th September 2020**. In the case of rejection of abstract of the idea, the registration fee will be refunded.
- **Submission of Completed Proposal/Prototype Documents:** Completed Proposal/Prototype Documents in suitable form and format should be submitted latest by **20<sup>th</sup> October 2020**.
- Date of Contest & presentation: **26<sup>th</sup> October 2020**

The venue of the **DESI 2020** will be **ONLINE/Thiruvananthapuram**. Apart from contestants, researchers, students and investors are invited to be part of the contest.

**Payment Process**

The payment for the registration can be made through DD drawn in favour of '**M/S LIWING**' payable at Alappuzha. You can also use net banking for the payment using the below information.

Bank: **State Bank of India**  
Branch: Ambalappuzha, Alappuzha  
Account Name: **LIWING**  
IFSC Code: **SBIN0013406** | A/C Number: **35761725400**

**ORGANIZING TEAM**  
**Ms Reeja Robert**, Head, Department of Sports Engineering Mob: **8075552106**  
**Sreekhil**, Chief Coordinator Mob: **9746767362**  
**Jithin** Mob: **8086587592** | **Sachin** Mob: **8891018151**

### **Judgement:**

In the first round, the abstract will be screened and the contestants will be interviewed by the sports engineering expert through skype or any other suitable mode. The ideas shortlisted in the first round will be judged by a team of noted athletes, sports engineers and technocrats during DESI 2020 contest. Their judgement will be final.

### **Prizes and Way forward:**

- All technically feasible and financially viable ideas selected for implementation will be awarded **Rs.10,000** each.
- If the owner of the idea likes to start a company to manufacture and market his idea, idea will be presented to seed funding agencies and will be promoted in crowd funding platforms for financial assistance.
- If the owner of the idea likes to share his/her idea with other companies, idea will be presented to the companies which like to manufacture and market such products.

### **Rules & Regulations:**

1. Open to all Indians without age limits
2. Design ideas must be original or the process of manufacturing must be different and low cost and has not yet to be commercialized, displayed or shown to any manufacturer.
3. The following persons are NOT eligible to participate in the Competition:
  - a) Permanent employees of the Organiser including their respective immediate family members, meaning parents, spouse, children and siblings.
  - b) Representatives and/or agents (including advertising agents and Competition management agents) of the Organiser, including their respective immediate family members, meaning parents, spouse, children and siblings.
4. The organizer has the right to reject and revoke any entries and prizes, if they are found to have not original or commercialized one.
5. The organiser cannot be held liable and responsible for any damages, claims and loss of ideas before and after the competition.
6. Design protection according to the Intellectual Property Rights Act – All participants are encouraged to register their designs under the Intellectual Property Act and to keep all documentations as proof of ownerships before sending and exposing their design to the organiser.
7. Selected designs will be kept for the promotion and documentation purposes.
8. The winners will be notified via phone or email and/or major newspapers or any other means of communication deemed fit by the Organiser based on the details furnished during the participation. The Organiser shall not be held liable in the event that the

winners cannot be contacted for whatever reasons. The Organiser shall not be held liable in the event of non-receipt or delayed delivery of any notification to the winner(s).

9. If the winners failed to respond to the notification within one month the prize will be forfeited.
10. The Organiser reserves the right to withdraw the prizes in the event that the winners do not comply with the Competition terms and conditions.
11. The organiser will inform any participants if their submission is selected for commercialisation and they also have the right to receive any compensation based on the agreement between both parties.
12. Unsuccessful submission can be collected from the organiser within one month after the winning announcement. Any unclaimed submission after that will be disposed.
13. Participation in this Competition and acceptance of the prizes constitutes an irrevocable permission for the Organiser to use the winners' names and photographs for purposes of publicity and advertisement without any compensation or need for prior notification to the winners.
14. The Organiser shall not be responsible nor shall bear any liabilities of whatsoever nature and however arising or suffered by the participants and/or third parties resulting directly or indirectly from the Competition and/or the Prizes. Winners shall assume full liability and responsibility in case of any liability, mishap, injury, damage, claim or accidents (including death) resulting from their participation in this Competition, redemption and/or utilisation of prizes.
15. By participating in this Competition, participants agree to be bound by these Terms and Conditions, and all decisions by the Organiser are final and binding. The Organiser reserves the right to change, amend, add or delete any of these Terms and Conditions without prior notice at any time and participants shall be bound by such changes. The Organiser is not obligated to give any reasons on any matter in the Competition.



**For more details:**

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