New submission from Arkansas State Science Fair Registration

1 message

Arkansas State Science & Engineering Fair <assef@uca.edu> Sun, Mar 8, 2020 at 9:09 PM
To: isha.patel0927@gmail.com

Thank you for preregistering for the
2020 Arkansas State Science & Engineering Fair

In order to complete your registration, please print your confirmation email and mail it along with all required forms (see below) including your abstract on the ISEF approved abstract form A, and your payment to:

Dr. Mark Bland, Director
Arkansas State Science Fair
University of Central Arkansas
P.O. Box 5121
Conway, Arkansas 72035-0001

REGISTRATION MUST INCLUDE COPIES OF THE FOLLOWING:

(Forms must be assembled and mailed in this order.)

- Registration form for each student (printed confirmation email from online pre-registration)
- Payment of registration fees
- Form 1: Checklist for Adult Sponsor / Safety Assessment Form
- Form 1A: Student Checklist / Research Plan
- Form 1B: Approval Form
- Form 1C: Regulated Research Institutional / Industrial Setting Form
- Form 2: Qualified Scientist Form
- Form 3: Risk Assessment Form
- Form 4: Human Subjects and Informed Consent Form
- Sample Informed Consent Statement
- Form 5: Vertebrate Animal Form (5A and 5B)
- Form 6A: Potentially Hazardous Biological Agents Form
- Form 6B: Human and Vertebrate Animal Tissue Form

- Form 7: Continuation Projects Form
- Abstract Form (For regional and state fair use - ISEF finalists must use on-line system)
- Any other ISEF forms as required

Click here for 2020 FORMS

BRING ALL ORIGINAL FORMS WITH YOU TO THE STATE SCIENCE FAIR.

NOTE: A hard copy of the abstract form must be posted with the project display, so be sure to bring one to the state fair.

Message for the regional directors: All projects entering the state science fair will need to have their abstract on the official form found on the Society for Science & The Public website - Official Abstract and Certification

Deadline: Mail a hard copy of the registration to Dr. Bland at the address above by March 20th. If your teacher is going to attend the SRC meeting on March 28th you may send your official forms with them, but if not you need to mail a copy of the forms with the registration.

T-shirt contest: Please e-mail .jpg design to ldenhartog@uca.edu by March 20th.

"GroupMe" Communication:

Communication will be sent to participates through email and now GroupMe. You're invited to a new group '2020 Arkansas State Science Fair' on GroupMe. Click on the link with your phone to join: https://groupme.com/join_group/58375068/e6TKLtus

If you have any questions e-mail: ldenhartog@uca.edu.

Student Name

Isha Patel

Student Email

isha.patel0927@gmail.com

Student Phone

(870) 718-2796

Student Address

5408 Fairway Cove
North Little Rock, Arkansas 72116-7289
United States
Map It

Parent/Guardian's Names

Mahesh and Hansa Patel

Grade

11

Sex

Female

School Name

Arkansas School for Mathematics, Sciences, and the Arts

Teacher's Name

Jack Waddell

Teacher's Email

waddellj@asmsa.org

Teacher's Phone

(501) 622-5397

School's Fax Number

(501) 622-5108

Project Category

Computer Science (CS)

Team Projects

Is this a Team Project?

No

Project Title

Running an Auction Using Blockchain

Continuation

No

Floor

No

Special Accomodation(s)

No

Abstract

Blockchain is a fairly new technology that emerged with the introduction of the famous CryptoCurrency BitCoin. But there are many uses of blockchain besides just CryptoCurrency, for example, Walmart has a blockchain that allows them to track their produce and the United States Postal Service has placed a patent to use blockchain as an identity verification measure. Blockchain is used for tasks as simple as securing databases to as complicated as monitoring carbon offsets. It can also be used to manage an auction and would be able to safely transfer money, keep identities of bidders secure, and keep an accurate ledger of the bids. This project builds a smart contract for a blockchain-based auction that uses components of a minimum bid auction merged with one component of a Vickrey auction. A widely used online IDE called Ethereum was used to run the blockchain code. In the auction, the seller sets the minimum bid, the bidders give their bids, and when the auctioneer closes the auction, the highest bidder pays the second-highest bid. The project met the criteria set for it, which was to set up a functioning auction and add the Vickrey auction component. Albeit most of the functions are manual, such as changing the bidder, the auction runs smoothly.

T-Shirt Size

Medium

Receipt

No

T-Shirt Design

No

Project Category

Computer Science (CS)

Order

Product	Qty	Unit Price	Price
Registration Fee	1	$20.00	$20.00
		Total:	**$20.00**