

**St. Joseph's Degree & PG College**  
**Department of Physics & Electronics**  
**Science Fest-2020**  
**A National Science Day Celebration**

**Date- 04<sup>th</sup> March 2020**

**Venue- Joseph's Hall**

**Timings- 9:00 AM -3:30PM**

**Target Audience: B.Sc All Groups.**

**About Program:**

Every year India celebrates National Science Day on 28 February to mark the discovery of the Raman Effect by Indian physicist Sir C. V. Raman on 28 February 1928. For his discovery, Sir C.V. Raman was awarded the Nobel Prize in Physics in 1930 which was the first Nobel Prize in India in the field of Science. To encourage the students, department of Physics & Electronics organized "Science Fest 2020-A National Science Day Celebration" on 4<sup>th</sup> March 2020.

The Inaugural Ceremony began at 9:25am by welcoming **Rev. Fr. K. Marreddy** (Principal), **Rev. Fr. Uday Bhaskar** (Dean of Academics) and **Dr. P. Bala Bhaskar** (Guidance officer, Commissioner of Collegiate education, TSCHE) As a **Chief Guest** for the day onto the dais. Everyone raised for the prayer sung by our college choir **Anna Domine** followed by the lightening of the lamp. The principal was honored with a sapling by John and addressed the gathering highlighting the significance of National Science Day. The Dean was honored with a sapling by Kruthika. He encouraged the students for their determination towards science and research. Keerthana then, introduced the gathering about chief guest **Dr.P.Bala Bhaskar** (Guidance officer, Commissioner of Collegiate education, TSCHE) and our Principal honored him with a momento and a sapling. The chief guest then addressed the gathering guiding students about various courses and how to approach a situation in problem solving and continuous development and updating the skills as per the industry needs and also suggested the managements to go for new courses as per the market demands and needs of the society. At 10:10am, he inaugurated the Fest by saying- "**I declare Science Fest 2020-Open**".

The Inaugural Ceremony came to an end by vote of thanks delivered by student Gloria.

**There were six events/competitions conducted throughout the day.**

Model Making	Showcase Your Scientific Creativity	10:15am- 1:00pm
Intelligentsia	Quiz with a twist	10:30am-12:00pm
Xpose	Unveil The Truth	11:30am – 12:30pm
Picture Crossword	Detangle the Mystery	12:00 pm– 1:00pm

Quest-A-Thon	Treasure Hunt	12:30pm-1:30 pm
Just For Fun	Electric Coaster	Through Out The Day

Event- **Just for Fun-(Electric Coaster)** is a circuit developed from which a loop is to be passed from a wire without being touched. If the loop touches the wire, a sound is created.

**Event-Model Making(Showcase Your Scientific Creativity)**

Timing- 10:15am -1:00pm

Venue- Joseph's Hall

Description- Presentation of working model designed by principles of Physics & Electronics.

Rules -

- Only working models related to Physics and Electronics are accepted
- Participants are expected to come early so that they can set their models
- Best models will be awarded with cash prizes after the evaluation by the expert faculty Mr. Johnson Babu from outside.

**List of 26 Teams presented project models:**

Team No.	Topic	Names
1	Gesture Control Robot	Srishma And Faaiza
2	Projector Using Bulb	Amal And Bhavani
3	Ir Proximity Sensor	Dheeraj And Swapna
4	Automatic Integration System	L Shreya And Ramya
5	Gyroscope	Riya , Shreya And Sathvika
6	V6 Solenoid Engine	Zafar And Shubham
7	Electric Code Lock System Using 8051 Micro Controller	Karthik And Naveen
8	Integrated City	Kiran Kumar, Hemanth And Siddharth
9	Rfid Toll Collection	Mahinal And Vamshi
10	Fun With Physics	Sofia And Soumya
11	Human Detecting Robot	Masthan And Sangameshwar
12	Dtmf	Wazeed And Varun
13	Automatic Room Light Controller	Gurudata And Pavan Kumar
14	Cnc Plotter	Rohit And Varun
15	Rfdi Based Security System	Gavin And Tarun
16	Temperature Control	Nitesh And Muzammil
17	Object Detection Of Ultrasonic Waves	Shanmukh And Ravi

18	Wireless Robot Using Ir Sensor	Arzoo And Grace
19	Solar Irrigation	Sumirn And Sagar Raj
20	Library Noise Detector And Indicator	Sai Vardhan And Marita Jayapaul
21	Visualising Sound Waves	Vaishnavi And Sai Vardhan
22	Solar Tracking System	Mujhtaba And Shahbaash
23	Street Light Control	Rakshith And Chanchapaul
24	Gsm Based Gas Leakage Security System	Varun Choletti And Aditya
25	Android Based Industrial Robot	Rohith And Phaneendra
26	Arduino Ultrasonic Sensor	Rishikesh And Rajiv Manish

**Winners:**

Position	Project Name	Winner's Name	Cash Prize
1st Prize	Integrated City- Team 8	Hemanth, Siddharth, Kiran (Bsc-Ib)	Rs1000
2nd Prize	Object Detection Of Ultra Sonic Waves- Team 17	Shanmukh, Ravi ( Bsc -3b)	Rs1000
3rd Prize	Gyroscope- Team 5	Shreya,Riya, Sathvika (Bsc-Ib)	Rs1000

**Event– Picture crossword (Detangle the Mystery)**

Time–12:00pm to 1:00pm

Venue– Room no. 507

Description– picture crossword is the event where participants identify the given displayed pictures and fill up the crossword sheet.

Rules-

- Use the given picture as clue and fill the crossword
- 20 minutes will be given.

**List of participants:**

S. No	Name of the participants	College Name
1	D. Vishnu Vardhan And Eeraj Vamshi	Little Flower Degree College
2	Surya Teja And Lakshmi Keerthana	St. Joseph's Degree & PG College
3	Karthik Joshi And Deepesh Kumar Agarwal	St. Joseph's Degree & PG College
4	Einstein And Rithika	St. Joseph's Degree & PG College
5	Abdullah And Rahul	St. Joseph's Degree & PG College
6	Mervin And Sophia	St. Joseph's Degree & PG College
7	Ashish and angela	St. Joseph's Degree & PG College
8	Shruthi sharma and khushal kthari	St. Joseph's Degree & PG College

9	Kriparm	St. Joseph's Degree & PG College
10	Mukesh prajapati and k. Venkatesh deshpandey	St. Joseph's Degree & PG College
11	Akshitha kale and swathi swamy	St. Joseph's Degree & PG College
12	Adarsh yadav and mukesh yadav—	St. Joseph's Degree & PG College
13	S C Tushar and anuragh	St. Joseph's Degree & PG College
14	Surender and pintu	St. Joseph's Degree & PG College
15	Mayank raj tiwari and nithin sharma	St. Joseph's Degree & PG College
16	Puneeth kumar and y. Joseph	Little Flower Degree College
17	Aaron and preethish kumar	St. Joseph's Degree & PG College
18	Ruchitha jain and azmathali	St. Joseph's Degree & PG College
19	Sri lakshmi and sai sumiran	St. Joseph's Degree & PG College

**Winners-**

Position	Name of participants	Name of the college
1st Prize	Puneet Kumar And Y. Joseph	Little flower Degree College
2nd Prize	Aaron And Preetish Kumar	St. Joseph's Degree & PG College
3rd Prize	Ruchitha Jain And Azmath Ali	St. Joseph's Degree & PG College

Event Name- **X-Pose (Unveil The Truth)**

Timings- 11:30am-12:30pm

Venue- 504

Event Judge- Sangeetha Ma'am (Head of the English Department)

Description-A solo event where a picture is allotted to each participant. they need to gather prepare for 5 minutes and then present it.

Rules-

- Internet Can Be Browsed During The Preparation Time Only
- Presenting Time Is Two Minutes Only

**List of Participants:**

S.No.	Name Of The Participant	College Name
1.	Farwa Basith	St. Joseph's Degree and PG College
2.	Ashish Nathan	St. Joseph's Degree and PG College
3.	Kirti	St. Joseph's Degree and PG College
4.	H. Chandrasekhar	St. Joseph's Degree and PG College
5.	Shreya	St. Joseph's Degree and PG College
6.	Sagar Kumar Kacheria	St. Joseph's Degree and PG College

**Winners List:**

Position	Name of the participant	College Name
1 <sup>st</sup> Prize	Farwa Basith	St. Joseph's Degree and PG College
2 <sup>nd</sup> Prize	Ashish Nathan	St. Joseph's Degree and PG College
3 <sup>rd</sup> Prize	Shreya	St. Joseph's Degree and PG College

**Event- Quest-A-Thon (Treasure Hunt)**

Timing- 12:30pm-1:30pm

Venue- Room- 508

Screening Round Description-

1. Participants were given a 20 bit questionnaire and were asked to solve the questionnaire in a time limit of 10 minutes.
2. Questions included riddles and technical questions related to the branch of physics and electronics.
3. Out of the 65 teams which were participating in the screening round,10 teams were selected based on their accuracy and timeliness in solving the questionnaire.

Final Round Description-

- The participants were given color codes and bands corresponding to their colors to identify their clues.
- The participants were given clues in the form of QR codes.
- The participants were required to scan the QR codes and solve the clues which pointed them to their next clue.
- The participants were given the first clue and they progressed from there.
- The participants were instructed not to remove or lose the band resulting in their disqualification
- The participants were also instructed not to scan the or codes of different colors as that would confuse them and not lead them to the treasure
- The participants were instructed to return to the same spot by 1:20pm with the treasure and the screenshot of every clue.
- The participants were judged on their problem solving, accuracy, timeliness and overall honesty in their participation.

**Winner's List:**

Position	Name of the participant	College
1 <sup>st</sup> Prize	Arjun Nagla, Anamika and Nikitha	St. Joseph's Degree and PG College
2 <sup>nd</sup> Prize	M D Ayyuv & Shaik Shahid Afridi Ch.Sumiran & Group	New Madina College and G Pulla Reddy College St. Joseph's Degree and PG College
3 <sup>rd</sup> Prize	Y Joseph, Puneeth Kumar, Vishnu Vardhan Reddy	Little Flower Degree College

**Name of the event-Intelligentsia (quiz with a Twist)**

Timings - 11:00am -12:00pm

Venue - Computer lab (3<sup>rd</sup> Floor)

Event Description - A quiz based on General Science divided into three rounds

Round 1 Description( Kahoot) - The first round is kahoot which is a computer based round in which the participants need to answer the questions looking through the computer screen and the round consists of 20 questions ,and after each question the leader board is displayed. Each question has four options the participants need to choose the correct answer among the given options.

Round 1 Rules-

- The participants need to answer the questions as quickly as possible to top the leader board.
- Only 8 teams will be selected for the next round and 2 teams will be eliminated.

Round 2 description- In the second round the Participants were given a A4 size sheet and a pen to answer the questions. It is basically a presentation round where the participants need look at the projector screen and answer the questions in the A4 sheet which was provided. The second round also consists of 20 questions.

Round 2 rules -

- Questions will be displayed on screen and the participants need to answer them in the A4 sheet provided only.
- Question will be displayed for 30 seconds.
- Each question will carry 10 marks.
- Every 5th question will carry 20 marks.
- No negative marking
- No use of mobile phones (if caught the team will be disqualified).
- 5 teams will be selected from these 8 and rest 3 teams eliminated.

Round 3 Description- The third round is a Rapid fire round where the teams are asked 8 questions and need to answer them in a time limit of 1 minute, Each team will be ranked based on most no. of questions answered by a team.

Round 3 rules -

- The teams need to answer all the 8 questions in 1 minute.
- Participants need to be answer quickly.

**List of Participants:**

Team no.	College Name	Name of the team
1	St.Joseph's Degree & Pg College	T. Lakshmi Keerthana And P. Surya Teja
2	St.Joseph's Degree & Pg College	B. Harshavardhan And K. Karthikeya Kumar
3	St.Joseph's Degree & Pg College	Lenin And Rakshith
4	Little Flower Degree College	Puneet And T. Joseph
5	St. Mary's Degree College	Spoorthi And Shravani
6	St.Joseph's Degree&Pg College St. Mary's Degree College	T. Chetan Prasad And Besiah Hepriprh

7	Little Flower Degree College	Vishnu Vardhan And Neeraj Choudary
8	St.Joseph's Degree & Pg College	Sagar Kumar And Deepesh Kumar
9	St.Joseph's Degree & Pg College	Surender Kumar And Pintu Kumar Mali
10	St.Joseph's Degree & Pg College	Devender Raj

**Winners list:**

Position	Name of the participant	College
1 <sup>st</sup> Prize	T.Laxmi Keerthana , P. Surya Teja .	St. Joseph's Degree and PG College
2 <sup>nd</sup> Prize	T.Joseph , Puneet .	Little Flower Degree College
3 <sup>rd</sup> Prize	Vishnu Vardhan , Neeraj Choudary .	Little Flower Degree College

**Valedictory Session:**

Timing- 2:30pm to 3:15pm

Venue- Joseph's Hall

The Valedictory Session began at 2:30pm by welcoming **Rev. Fr. K. Marreddy** (Principal), **Rev. Fr. Uday Bhaskar** (Dean of Academics) onto the dais. All the winners were awarded with their certificates and prizes followed by a photo session. Later, all the volunteers and coordinators were honored as well for their hard work which made this fest a huge success. Lastly, the fest came to an end with vote of thanks.

**Acknowledgement:**

The department of Physics and Electronics thank **Rev. Fr. K. Marreddy** (Principal) for all his support. We thank **Dr.P.Balabhaskar** Academic Guidance officer, TSCHE, to take out time from his busy scheduled and inaugurating the fest. We thank **Rev. Fr. Uday Bhaskar** (Dean of Academics),for encouraging us. Our sincere thank to the faculty MLN RAO, M.Sravan Kumar, and R.Ashok Kumar for their time and patience. We thank all the coordinators, volunteers and participants and Technical staff Mr. Aloysius and supporting staff Mr.Raju and others for their cooperation.



Honouring Resource Person Dr. P. Bala Bhaskar by the Principal Rev. Fr. Marreddy.



Dr. Bala Bhaskar addressing the Students





Principal Rev Fr. Marreddy in Project Exhibition



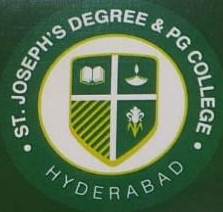
First Year Electronics Students Riya & Shreya explaining about gyroscope to the Pricipal.



Winners with Rev. Fr. Marredy Principal and Rev. Fr. Bhaskar Reddy Dean Academics



Winners with Rev. Fr. Marredy Principal and Rev. Fr. Bhaskar Reddy Dean Academics



# ST. JOSEPH'S DEGREE & PG COLLEGE

RE-ACCREDITED BY NAAC WITH 'A' GRADE WITH A CGPA OF 3.49  
KING KOTI, HYDERABAD

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## **NATIONAL SCIENCE DAY 2020**

*By Department of Physics and Electronics*

*This is to certify that MR/MS \_\_\_\_\_  
served as the VOLUNTEER for SCIENCE FEST on 4th  
March 2020 on account of National Science Day celebration.*

\_\_\_\_\_  
CONVENER



*[Signature]*  
\_\_\_\_\_  
**PRINCIPAL**  
ST. JOSEPH'S DEGREE & P.G. COLLEGE  
King Koti Road, Hyderabad-500 029

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Sample Certificate of Science Day 2020