# ST. JOSEPH'S DEGREE & PG COLLEGE

(Autonomous), Affiliated to Osmania University
Re-accredited by NAAC (3rd Cycle) with B++
King Koti Road, Hyderabad

## Department of Computer Science

| **General Information** | |
|---|---|
| Type of the Activity | 2 Days Event on Chandrayaan – 3 Launch |
| Title of the Activity | Find the Chandrayaan |
| Date | 13th and 14th July 2023 |
| Time | 1:30 PM to 4:00 PM |
| Venue | Joseph's Hall |
| Collaboration/Sponsor(if any) | --- |
| Url and other social media link(You tube, twitter and facebook) | |

| **Speaker** | |
|---|---|
| Name | Mrs. Kiran Jyothi |
| Title/Position | Head, Assistant professor<br>Department of computer science |
| Organization | St. Joseph's Degree & PG College |
| Title of the presentation | Mission objectives of Chandrayan 3 |

| | |
|---|---|
| Name | Mr.M.Satyanarayana |
| Title/Position | Assistant professor<br>Department of Mathematics |
| Organization | St. Joseph's Degree & PG College |
| Title of the presentation | Changes and improvements of Chandrayan 3 |

| | |
|---|---|
| Name | Mrs. Sailaja Raj |
| Title/Position | Assistant professor<br>Department of Computer Science |
| Organization | St. Joseph's Degree & PG College |
| Title of the presentation | Technology in Chandrayan 3 |

| **Participants Profile** | |
|---|---|
| Type of Participants | Students |
| No.of Participants | 240 |

**Synopsis of the Activity(Description)**

| | |
|---|---|
| Highlights of the Activity | ➢ Illustrating the Purpose of Launch: Provide insights on Chandrayaan and the reasons for its launch. The technology used, and overcoming past failures.<br>➢ Progressive Quiz Elimination Challenge: The teams underwent comprehensive questioning comprising diverse subjects concerning science<br>➢ Exploration and Leads: Teams embarked on a quest to discover hidden hints around the college premises to secure qualification in the subsequent round<br>➢ Sharing Knowledge: Finalists were given the opportunity to showcase their knowledge on the Chandrayaan launch, its purpose and highlight key factors to previous failures.<br>➢ Watching it Live: The launch of the rocket holding Chandrayaan – 3, LMV3-M4 was seen live. |
| Key Takeaways | ➢ Understanding the purpose of the launch.<br>➢ Gaining insights on the technology used. |
| Summary of the Event | Communication and Team-work: Work together as a team to discover answers to questions and face challenges together.<br><br>Information Exchange: Using presentation tools to showcase insights on Chandrayaan – 3 and previous satellites to compare technology and reiterate the purpose of the latest lunar mission launch. |
| Follow-up plan | **** |

**Report prepared by:**

| | |
|---|---|
| Name of the Organiser | MrsLavanya Reddy Satti |
| Designation | Assistant Professor |
| Signature | |

# ST. JOSEPH'S
## DEGREE & PG COLLEGE
HYDERABAD. INDIA.

## DEPARTMENT OF COMPUTER SCIENCE

## POWERBYTES CLUB

G20

ORGANIZES

# FIND THE CHANDRAYAAN

ON THE LAUNCH OF CHANDRAYAAN - 3

VENUE : JOSEPH'S HALL

DATE : 13 & 14 JULY

TIME : 1:10 PM

STUDENT CO-ORDINATOR

ADNAN [9892173511]

JEET [9515379735]

SRINIVAS[9676599532]

# ST. JOSEPH'S DEGREE & PG COLLEGE

[illegible]

[illegible]

King Koti Road, Hyderabad

Ref: SJC/CS/11/07/2023

Date: 11/07/2023

## Department of Computer Science

## Notice

[illegible] inform that the POWER BYTES CLUB of Department of Computer Science is organizing an [illegible] "FIND THE CHANDRAYAN" commemorating the launch of CHANDRAYAN-3 on 13 & 14 July, 2023 which consists of the following:

Day – 1: Elimination Round, Treasure Hunt and Assembling the parts

Day – 2: Telecast of the launch & Knowledge sharing

[illegible] students are asked to contact respective computer science course faculty and student [illegible]dinators to confirm your participation.

Kindly note the following:

1. It is mandatory to have 4 members in a team
2. Students can form a team from any stream
3. Certificates would be issued

11/7/23

Faculty Coordinator

11/7/23

HoD

11/7/23

Principal

# Report on Find the Chandrayaan

Find the Chandrayaan event was conducted on 13th and 14th July, 2023 in the Joseph's Hall, main campus, St. Joseph's Degree & PG College. The Computer Science department of the college, along with the PowerBytes club conducted the event for students from all the streams.

Chandrayaan-3 is a follow-on mission to Chandrayaan-2 to demonstrate end-to-end capability in safe landing and roving on the lunar surface. It consists of Lander and Rover configuration. It was launched by LVM3 from SDSC SHAR, Sriharikota. The propulsion module will carry the lander and rover configuration till 100 km lunar orbit. The propulsion module has Spectro-polarimetry of Habitable Planet Earth (SHAPE) payload to study the spectral and Polari metric measurements of Earth from the lunar orbit.

Chandrayaan-3 consists of an indigenous Lander module (LM), Propulsion module (PM) and a Rover with an objective of developing and demonstrating new technologies required for Inter planetary missions. The Lander will have the capability to soft land at a specified lunar site and deploy the Rover which will carry out in-situ chemical analysis of the lunar surface during the course of its mobility. The Lander and the Rover have scientific payloads to carry out experiments on the lunar surface. The main function of PM is to carry the LM from launch vehicle injection till final lunar 100 km circular polar orbit and separate the LM from PM. Apart from this, the Propulsion Module also has one scientific payload as a value addition which will be operated post separation of Lander Module. The launcher identified for Chandrayaan-3 is GSLV-Mk3 which will place the integrated module in an Elliptic Parking Orbit (EPO) of size ~170 x 36500 km.

**Keywords:** Safe landing, on-site experiments, rover operations

The PowerBytes club conducted the event "Find the Chandrayaan" to shed more light on the current ongoings in the science world, and the many advances that India has made in the field of space. The main objective of the event was to enable the students to understand the technology used in the Chandrayaan missions and the future endeavors of ISRO.

This participants in the event were enthusiastic and highly motivated to learn more about the current events happening in the field of science and ISRO.

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Date: 11-07-2023

## Department of Computer Science

## List of Teams

| S.No. | Roll No | Name | Class | Mobile Number | Signature |
|---|---|---|---|---|---|
| 1 | 29 | Dosani Rahim | BBA(IT) I | 7386654031 | Rahim |
| 2. | 01. | Zayril Savani | BBA(Gen) I | 9963223882 | ZS |
| 3. | 50 | Gajender Parihar | BBA(BA) | 9121884344 | |
| 4. | 04 | Rajveercharan | BBA(IT) | 9110793484 | |
| 5. | 88 | Aryan Saxena | B.Com(Gen) | 7670980778 | |
| 6. | 99 | Jeet Mondal | B.com(Gen) | 9831565254 | J |
| 7. | 39 | Qulood fatima | B.com(IT) | 8919561845 | Qulood |
| 8. | 34 | Harish Khiresagar | B.com(Gen) | 7386826320 | H Harish |
| 9. | 02 | Ansh Mathur | B.Com(Gen) | 7660962639 | Ansh |
| 10 | 42 | Piyush Saini | B.Com(Hons) | 8555924896 | |
| 11. | 19 | Hemali Ghosh | B.com(Hons) | 7981098604 | Hemali |
| 12. | 34 | V. Hemateja | B.com(Gen) | 7981280585 | Hemateja |
| 13 | 35 | Naman Agarwal | BBA(Gen) | 9959000319 | Naman |
| 14 | 36 | Sivayam | BB(Gen) | 9949168755 | Sivayam |
| 15 | 31 | Rakshit | BBA(Hons) | 7093723[illegible] | Rakshit |
| 16 | 19 | T. Bharath | BBA (Gen) | 9390146572 | Bharath. |

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INSTITUTION'S INNOVATION COUNCIL

Ref: SJC/CS/11-07-2023/

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## Department of Computer Science

### List of Teams

| S.No. | Roll No | Name | Class | Mobile Number | Signature |
|---|---|---|---|---|---|
| 1 | 121423403824 | Keshav | B.Com P | 9346681290 | Keshav |
| 2 | 121423403011 | B. Nikhil | B. Com P | 8977527987 | |
| 3 | 121423403019 | Jairal | B.Com P | 8179535320 | |
| 4 | 121423403058 | Akshay | B.Com P | 8247627926 | Akshay |
| 5 | 121423403047 | Divit Gupta | B.Com Pgg | 9014282276 | |
| 6 | 121423403026 | Sargun Singh | BCom Pgg | 8328191088 | Sargun |
| 7 | 121423403009 | Ankit Singh | BCom Pgg | 9030029095 | Ankit |
| 8 | 121423403018 | Harsh Upadhay | BCa Pgg | 7702765822 | Harsh |
| 9. | 121422467009 | ~~Hanuman~~ | BSC MSCs | 9030000145 | Vyas |
| 10. | 121422467017 | Shivani Gupta | BSC MSCs | 9494035055 | |
| 11. | 121422408080 | Gungun Agarwal | BCom Comp. II D | 7013744174 | |
| 12. | 121422467025 | Shani Chauhan | BSC MSCs | 9819650647 | |
| 13 | 121422408099 | Sanjana | BBA-IT | 8106091972 | |
| 14 | 121422408041 | Dasis | BBA-IT | 6309874982 | |
| 15 | 121423408013 | Akanksha | BBA-IT | 9347992926 | |
| 16 | 121423408036 | Preeti | BBA-IT | 9125922199 | Preeti |
| 17 | 121421468006 | G. Sowmya | B.Sc MPCs, 3A | 9032737712 | Sowmya |
| 18 | 121421468020 | Bhoomika Singh | B.Sc MPCs, 3A | 9441744091 | |
| 19 | 121421474008 | Melvin Joel | B.Sc MECs, 3A | 9866409902 | |
| 20 | 121421474016 | Richard Raj | B.Sc MECs, 3A | 9393270110 | |

| | | | | | |
|---|---|---|---|---|---|
| 21 | Tsai kiran | 121421467038 | Bsc[MSCS] 3rd Year | 9849805359 | Sai |
| 22 | Y. Anusha | 121421467027 | Bsc [MSCS] 3rd Year | 8179085259 | Anu |
| 23 | Nikhil kumar | 121421467016 | Bsc[MSCS] 3rd Year | 6302502671 | Nik |
| 24 | Rani Bafna | 121421467030 | Bsc[MSCS] 3rd Year | 8688505515 | Ri |
| 25 | M. Suhasa | 121421467012 | Bsc [MSCS] 3rd year | 9032982563 | Suhasa |
| 26 | A. Srivallika | 121421467003 | BSC[MSCS] 3rd year | 7416703262 | Srivalli |
| 28 | V. Jyothi | 121421467037 | BSC [MSCS] 3rd year | 7207049112 | Jyothi |
| 29 | P. Nikhil Goud | 121421467018 | BSC [MSCS] 3rd year | 8[illegible]125719465 | Nikhil |
| 30 | Ch. Sonika | 121423403014 | B.com professional 1st year | 8309767363 | [illegible] |
| 31 | K. Navitha | 121423403027 | B.com professional 1st year | 8391418455 | K. Navitha |
| 32 | Sai Prasad Tiwari | 121423403041 | B.com Proffesional 1st Year | 9347582475 | [illegible] |
| 33 | Mercy | 121423403036 | B.Com proffesional 1st year | 7675952765 | Mercy |
| 34 | Kripa pitti | 121423403025 | B.Com professional 1st year | 6302362740 | Kripa |
| 35 | K. Kusuma | 121423403022 | B.Com Professional 1st year | 7036162690 | [illegible] |
| 36 | Megan Itsel | 121423403040 | B.com professional 1st year | 9542134488 | [illegible] |
| 37 | Parameshwari | 121422467023 | BSC. MSCs [IIB] 2nd year | 7095745123 | [illegible] |
| 38 | K. Sowmya | 121422467021 | BSC. MSCs (IIB) 2nd year | 7989149714 | [illegible] |
| 39 | Chaneeth | 121422467003 | " | 7931257552 | [illegible] |
| | Timon | 121422467002 | " | 9160771208 | [illegible] |
| | Samiksha ~~Sameeth~~ | 121423405015 | B.com (IT) 1st year | 8106795641 | [illegible] |

**Photos of the Activity:**

**Convener**

Mrs.Esther Ratna

**HoD**

Mrs. Kiran Jyothi

**Principal**

Fr. Anthony SagayaRaja

3/8/23

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Faculty Coordinator 11/07/23

HoD 11/7/23

Principal 11/7/23

ST. JOSEPH'S DEGREE & P.G. COLLEGE King Koti Road HYD-29

Principal
ST. JOSEPH'S DEGREE & P.G. COLLEGE
King Koti Road, HYDERABAD-29