LIST OF SLOW AND ADVANCED LEARNERS I YEAR PHYSICS 2021-22

| No | NAME OF STUDENTS | MARKS/25 | CATEGORY |
|----|---------------------|----------|----------|
| 1 | ADITHYA RAGHUPATHY | 6 | SLOW |
| 2 | ANANYA P | 15 | SLOW |
| 3 | ANEENA A P | 18 | ADVANCED |
| 4 | ANJALIKRISHNA A K | 15 | SLOW |
| 5 | ARYA MADHAVAN A P | 28 | ADVANCED |
| 6 | ASHIDA NASREEN | 17 | ADVANCED |
| 7 | ASWINI A | 26 | ADVANCED |
| 8 | ATHIRA K MADHU | 6 | SLOW |
| 9 | AYSHA ABID | 20 | ADVANCED |
| 10 | CHAITHRA S | 11 | SLOW |
| 11 | FATHIMA NESRIN P | 5 | SLOW |
| 12 | FATHIMA SHAMEELA | 9 | SLOW |
| 13 | GAYATHRI V | 24 | ADVANCED |
| 14 | HIBA FATHIMA T | 17 | ADVANCED |
| 15 | HRIDYA K | 22 | ADVANCED |
| 16 | JUMAILATH P K | 14 | SLOW |
| 17 | JYOTHIKA U | 14 | SLOW |
| 18 | KRISHNANJANA M | 11 | SLOW |
| 19 | KRISHNENDHU V K | 16 | SLOW |
| 20 | MAGNA MOHAN | 16 | SLOW |
| 21 | MEDHA SUDHAKAR T | 20 | ADVANCED |
| 22 | NAFLABANU K S | 18 | ADVANCED |
| 23 | NANDANA C K | 22 | ADVANCED |
| 24 | NEESHMA MEHNA M P | 6 | SLOW |
| 25 | PUNNYA S | 17 | ADVANCED |
| 26 | RASHMI RAJ N P | 18 | ADVANCED |
| 27 | RIYA MICHAEL | 24 | ADVANCED |
| 28 | ROSNA BABU | 33 | ADVANCED |
| 29 | S SREELAKSHMI | 15 | SLOW |
| 30 | SANGETHA E | 14 | SLOW |
| 31 | SANIYA PRASAD K | 14 | SLOW |
| 32 | SAPTHA M N | 13 | SLOW |
| 33 | SARANYA V NAIR | 22 | ADVANCED |
| 34 | SARIKA N M | 11 | SLOW |
| 35 | SELIN BERSILIN BIJU | 20 | ADVANCED |
| 36 | THEERTHA SHAJI | 15 | SLOW |

i) RESEARCH PUBLICATIONS BY STUDENTS

<u>PG STUDENT</u>

Ann Sandra Sebastian, A.Sobha, Sumangala R " MnO₂/CoO electrode for supercapacitor: Synthesis and electrochemical performance" Materials Today Proceedings <u>https://doi.org/10.1016/j.matpr.2021.12.111</u> *UG STUDENT*

Esabell Mariya James, A.Sobha, Sumangala R "Enhanced charge transfer in ELDC capacitors: PEDOT: PSS BaTiO3 composite separator and activated carbon electrode" Materials Today Proceedings <u>https://doi.org/10.1016/j.matpr.2021.12.178</u>

ii) Encouraged students to complete skill based certificate courses.

a) Arya Sudhakaran, III BSc Physics

| ICFOSS | |
|--|--|
| No.: ICFOSS /202112PYB159019 Date: 30/Jan/2022 | |
| | ST |
| This is to certify that Ms. Arya Sudhakaran | ARYA SUDHAKARAN |
| has participated in the Online Certification Programme - | has an analytic completed |
| International Centre for Free and Open Source Software(CFOSS). | Create Your First Python Program From UST |
| held from 26th December 2021 to 22nd January 2022 | se obtaine normality propria advanted by Convert Proper Network and alfords allowed |
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| | Neurone Sea and the contract of the contract o |

b) Fida Fathima T, II BSc Physics

| INTERNSHALA | Quarry |
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| Internship Awareness Certificate | CERTIFICATE OF INTERNSHIP |
| | 26 ^m July, 2021 |
| This Is To Certify That | |
| Fida Fathima T P | This is to certify that Fide fathima T P has done her internship in Quizzy from 08/04/2021 to 29/04/2021 |
| | She was deployed as a Subject Matter Expert. |
| participated in the Grand Summer Internship Fair - India's biggest online internship fair where Fida Fathima T P helped students kick-start their career by creating awareness about | During the internship she demonstrated good leadership skills with a self-motivate attitude to learn new things. Her performance met expectations and she was able complete the project successfully on time. |
| meaningful internships. | We wish her all the best for her future endeavors. |
| We appreciate the efforts put in and wish Fida Fathima T P all the best for future endeavours. | |
| | 22Banecije |
| | Hiran Banerie |
| 11 | Founder, Quizz |
| Date of certification: 16/04/2021 | |
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iii) SUMMER FELLOWSHIP

Ms.Aleena Wilson - II MSc Physics - Indian Institute of Astrophysics

Ms.Abhinasree P – II Msc Physics – IUCAA

Ms. Jeesna MS- II Msc Physics -IUCAA



INDIAN INSTITUTE OF ASTROPHYSICS Bengaluru

Online Summer School

E-Certificate of Participation





BGS, IIA



अंतर-विश्वविद्यालय केंद्र : खगोलविज्ञान और खगोलभौतिकी

Inter-University Centre for Astronomy and Astrophysics An Autonomous Institution of the University Grants Commission

To Whomsoever It May Concern

We are pleased to announce that Ms. Abinasree P

from Providence Womens College, Calicut(Affiliated To University Of Calicut) has been selected to attend the virtual Introductory Summer School in Astronomy and Astrophysics that is being organised by IUCAA during May 10 - June 11, 2021.

Professor Dipanjan Mukherjee Faculty Coordinator, Introductory Summer School in Astronomy and Astrophysics

Mailing Address : IUCAA, Post Bag 4, Ganeshkhind, Pune 411 007, India. Location : Meghnad Saha Road, Savitribai Phule Pune University Campus, Pune 411 007. Phone : 020-2569 1414, 2560 4100 | Fax : +91-20-2560 4699 E-mail : root@iucaa.in Uniform Resource Locator : http://www.iucaa.in



अंतर-विश्वविद्यालय केंद्र : खगोलविज्ञान और खगोलभौतिकी

Inter-University Centre for Astronomy and Astrophysics An Autonomous Institution of the University Grants Commission

To Whomsoever It May Concern

We are pleased to announce that Ms. Jeesna M S

from Providence Womens College

has been selected to attend the virtual Introductory Summer School in Astronomy and Astrophysics that is being organised by IUCAA during May 10 - June 11, 2021.

Professor Dipanjan Mukherjee Faculty Coordinator, Introductory Summer School in Astronomy and Astrophysics

Mailing Address : IUCAA, Post Bag 4, Ganeshkhind, Pune 411 007, India. Location : Meghnad Saha Road, Savitribai Phule Pune University Campus, Pune 411 007. Phone : 020-2569 1414, 2560 4100 | Fax : +91-20-2560 4699 E-mail : root@iucaa.in Uniform Resource Locator : http://www.iucaa.in

IV) Encouraged to complete subject related online courses.

a) Arya Sudhakaran, III BSc Physics

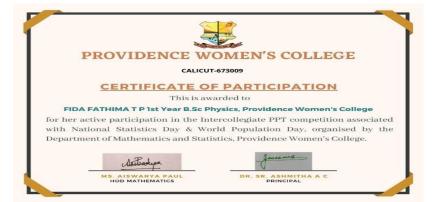


V) Encouraged to participate in various symposiums like quiz, poster presentation, Conferences, inter institution competition etc.

1. Ms. Nandini Madhu, II BSC Physics: All India intercollegiate Kahani Presentation



2. Ms.Fida Fathima T P, II BSC Physics: Intercollegiate PPT competition



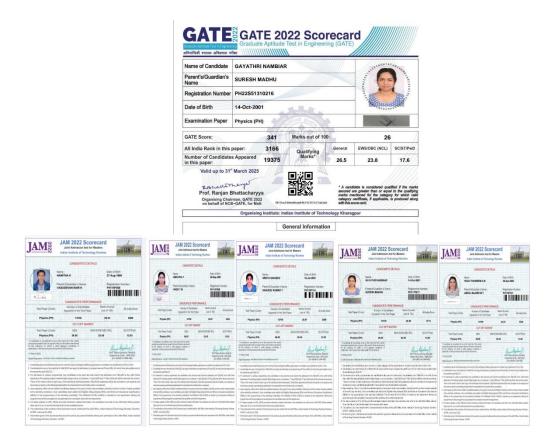




3. Geethu Krishna, II year Physics: Online National Science day programme participation



- VI) Guiding the students for GATE/Competitive Examinations.
 - GATE EXAM
 Gayathri Nambiar, III Physics
 - JAM EXAM
 NAMITHA K, III Physics
 AMRITHA T, III Physics
 SREYA SANJEEV, III Physics
 GAYATHRI NAMBIAR, III Physics
 HUDA THASNEEM, III Physics



VII) Interactive Session with Dr. Koshy George Research fellow faculty, University Observatory, Ludwig Maxmillian University, Germany, for advanced learners. on 10th August 2021

Interactive session with Dr. Parvathy Prem, Staff Scientist, Planetary Exploration Group, Johns Hopkins University on 27th July 2021.



VIII)CAREER COUNSELLING



On 13th January, 2020, Dept. of Physics, Providence Women's College organized a Career Guidance Talk and the different opportunities for the students.

IX) APT (Academy of Physics Teachers) TALENT SEARCH EXAM 2022

About 30 students of our department have registered for All Kerala Physics Talent Search Examination conducted on 2/1/2022 at our college which is a Regional Centre, with the center coordinator as Dr. Sini R.

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| GROUP 4 | topics | pate | 205 | 4ito | thank | Sorie | 90 pt | Jun | |
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| 1. Rashmi Ray NP | 10/05/2022 > The astranauls' hig of war, | 18/3/22 | 1 | > | ~ | > | a | 1 | A span |
| 2 Hiba FathimaT | Freight train, Constants | 2113122 | 1 | R | a | 1 | 1 | a | This - |
| 3. Krishnendhavk | 21/03/2022 > Newton's first, second and third daw - Astronauts in space. | 22/03/2022 | a | | 1 | 1 | a | 1 | - |
| | all in the line of any a maniference | 23/03/2022 | 1 | 1 | 1 | 1 | ~ | 1 | A. |
| 4. Sanya Prasaelk | metion and gun 0- | 28/03/2022 | ~ |) | 1 | 1 | 1 | 10 | AC . |
| 5 sapta M.N | 25/03/2022 => Work-energy Theorem-Conical | 24 03 2022 | 1 | | | 1 | a | 1 | |
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| - Theetha shaji | 25/03/2022 > Escape relocity | 25/03/2022 | 1 | | È | \rightarrow | a | | 6 |
| , | of ad one 200 > Parallel Axis themem - typomics | 28/03/2022 | $\left \right\rangle$ | | | | | a | 1At |
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| | mergy Power | | 1- | It | | 5 | OBH | Physi | 298 298 |
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| GROUP 5 | Topics | Date | - | 6 | 1 | 1 | 1 | a | in |
| Angalikrishna A-1 | Fropto k.C. | 16/3/22 | 1 | 1. | + | - | - | - | |
| 2. Medha Sudhakan T | er es 2022 > Arkgaaling equation of motion in | 21/3/22 | a | - | ^ | È | È | | 21/2 |
| | esinglesso - Sules - unran theorem - Connial | 22/03/2022 | 100 | - | È | - | | 1 | |
| 3. Fathima NesrinP | 22/03/2012 > Work-energy theorem-tonical | 23/03/2022 | | | | a | - | a | |
| t Northwester | 28/03/2022 > Grave repethi- Applying nov.R. | 23/03/2022 | 1. | | | | | - | - |
| 4. Neesbora mehna M·P | Cherry Meonen C | 24/03/2022 | 1. | È | - | - | - | 1 | |
| 5. Tumailath !K | Water (2022 (N) = Work done by uniformin fore. | 25/03/2022 | \vdash | 0 | | | 1 | 1 | |
| 5. Jumailath1K | 24/03/2022 > Nou conscriptive forces- General law of conservators of - | 25/03/2022 | $\left \right\rangle$ | a | 1 | | 1 | 1 | F |
| 5 Jyothika U | - The rest of the | 28/03/2022 | Ľ | 1 | ~ | 0 | ~ | > | (Area) |
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| GROUP 6 | Πορίζε | Dale. | tikles | Quert | Natio | Nither | Alleda | | |
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| Krishnanjana | Work-Energy Theorem. In I dimension | | 1 | 1 | - | > | a | | É |
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| | And upto Inverted Jendelum | 21.03.22 | | ~ | 1 | 1 | ~ | | Æ |
| llrid e ga K | 22/3/22 => Augular momentum of a particle | 22/03/2022 | 1 | a | 1 | ~ | ~ | | 1 - |
| Nafla Banu Ks | P3/3/22 ⇒ Augular momentum of Conical (FN) pendulum 13/2/22 ⇒ Cented for motion & 10,00 of equal | 23/03/2022 | 1 | 1 | 1 | 1 | ~ | | 4- |
| D | 23/3/20 → Cented force motion & law of equal (AN) areas. | 23 03 2022 | 1 | | a | 4 | a \ | | H - |
| , uning the | 24/3/22 -> Moment of inertie of some simple pendulume. | 25 03 2022 | 1 | 1 | 1 | ~ | - | | * |
| | 25/3/22 => The parallel axis theorem - (FN) | 25/03/2022 | \mathbf{i} | ~ | 1 | ~ | ~ | 6 | A |
| | 25/3/22(AN) ⇒ Dynamics of pure | 28 03 2022 | a | 1 | 1 | 1 | ~ | | Æ |
| | estation about an axis | 28/03/2022 | | a | 1 | 1 | ~ | | 4 |
| To a colaster ? " | 20/3/22(FN) => Atwood's machine with | 30/03/2022 | | \ \ | 1 | 1 | | | 1 |
| ant par sonar | a massive pulley relalaztan) as The simple pendulum. | 30/03/2022 | | 1 | 1 | 1 | ~ | | F |
| | 29/3/22 => Augular momentum of a | 31 03 2022 | a | 1 | 1 | a | 1 | | Ge |
| | 20/3/2022(PN) => Deum colling down a | | | F | 1 - | he | | | |
| No externation | plane: Energy method | | | Head | of the | SOI Dept | .00 | liege | |
| en na cifici containe. Na cifici containe a | Bolslaeda (AN) → Vector nature of angular velocity | | 1 1 | Kozni | Fr | | i er e | 009 | |
| adata S. | 31/3/2122 -> Consceration of angular momentum | - profit | | | | | | | |