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PG DEPARTMENT OF PHYSICS
ANNUAL NEWSLETTER 2018-2019





Dear All, Warm Greetings...



EDUCATORS

1. Ms. P. Praveena
2. Ms. M. Astalakshmi
3. Ms. B. Prabavathi
4. Ms. A. Reena Arul Vani
5. Ms. M. Anchana
6. Ms. R. K. Shandhini
7. Ms. Nithya
8. Ms. E. Ashwini
9. Ms. A. Jayathsenayai
10. Ms. D. S. Gayathri Devadharshini
11. Dr. V. Sabari
12. Ms. E. Komathi

The Physics Department's "Newsletter" for the academic year 2018-2019 was released with a great deal of work, and it was a huge success. I would like to express my sincere gratitude to the team that diligently faculties to finish this newsletter on behalf of the complete teaching faculty. This newsletter will cover all significant departmental happenings and activities. Furthermore, it offers a venue for honoring and congratulating our department's accomplishments. Physics is one of the most fundamental Science branches. We are fully dedicated to the teaching and learning of its nature. In the modern world, where we develop our knowledge technologically. However, we witness everyday as a day of new things to learn in teaches practically to the students. Hence with a team of faculty members, we offer the most enjoyable and effective learning to all the students.



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LECTURE OUTFIT



**Ms. M. Deepa M.Phil.,
Head of the Department**



**Ms. P. Praveena M. Phil., B.Ed.,
Assistant Professor**



**Ms. M. Astalakshmi M.Phil., B.Ed.,
Assistant Professor**



**Ms. B. Prabavathi
M.Phil., B.Ed.,
Assistant Professor**



**Ms. A. Reena Arul Vani
M.Phil., B.Ed.,
Assistant Professor**



**Ms. M. Anchana ,
M.Phil., B.Ed.,
Assistant Professor**



**Ms. R. K. Shandhini M.Sc.,
Assistant Professor**



**Ms. Nithya M.Phil., B.Ed.,
Assistant Professor**



**Ms. E. Ashwini M.Phil., B.Ed.,
Assistant Professor**



Ms. A. Jayathsenayai
M.Phil., B.Ed.,
Assistant Professor



Ms. D. S. Gayathri Devadharshini
M.Phil., B.Ed.,
Assistant Professor



Dr. V. Sabari M.Phil., Ph.D.
Assistant Professor







Ms. E. Komathi M.Sc., B.Ed.,
Assistant Professor






Ms. N. Manimegalai M.Sc., B.Ed.,
Assistant Professor

BRIDGE COURSE

-  **Motivational Speech for Students**
-  **Basic Physics**
-  **Every Day Physics**
-  **General Guidelines for General Lab Experiments**

VALUE ADDED COURSES

-  **Astronomy**
-  **Medical Physics**
-  **Instrumentation Techniques**

HIGHLIGHTS OF DEPARTMENT

- Our department have well-furnished Laboratories.
- We have Skilled Faculties and Lab supporting Staffs

STAFFS PROCUREMENT

STAFF PARTICIPATION

- Three of Our Faculties were participated in two Seminars.
- Four of Our Faculties were participated in one Seminar.
- Seven of Our Faculties were Participated in Faculty Development Programme

DEPARTMENT EXERTION

(Webinar/Seminar/Workshop/FDP/Conference)

NATIONAL LEVEL SEMINAR ON INNOVATIVE MATERIALS

PG Department of Physics organized **one Day National Level semina** on “**Innovative Materials**” on 10.12.2018.

➤ The First Session of the Program was **Dr. S. Uthanna**, UGC- BSR Faculty Fellow, Department of physics, Sri Venkateshwara University Tirupati delivered a talk on various types of innovative Materials.

➤ The Second Session of the Program were **Dr. E. Parasuraman**, M.Sc., Ph.D., Assistant Professor, Indian Academy Degree College (Autonomous), Bangalore, delivered a talk on innovative Materials and its applications.

Programme Schedule	Organizing Committee	National Level Seminar on INNOVATIVE MATERIALS 12 th October 2018, Friday	
8.45 a.m. : Registration	Members of Management	 	
9.30 a.m. : Inaugural Session	Sri. M. Vimal Chand Jain President		
10.00 a.m. - 11.30 a.m. Lecture I	Sri. J. Rathnala Jain Vice President		
11.30 a.m. - 11.45 a.m. Tea Break	Sri. C. Lickmichand Jain Secretary		
11.45 a.m. - 1.15 p.m. Lecture II	Sri. D. Utham Chand Jain Joint Secretary		
1.15 p.m. - 2.00 p.m. Lunch Break	Sri. N. Sripal Kumar Jain Treasurer		
2.00 p.m. - 3.00 p.m. Paper & Poster Presentation	Sri. M. Sudarsan Kumar Jain Trustee		
3.00 p.m. : Valediction	Sri. K. Rajesh Kumar Jain Trustee		
	Sri. N. Lalith Kumar Jain Trustee		
	Sri. K. Anand Kumar Bafna Trustee		
Venue : MKJC New Seminar Hall		Patron Dr. M. SENTHILRAJ , M.Com., MBA, MOW, M.Sc. (PPE), M.Ed., M.Phil. (Comp), M.Phil. (Ed), Ph.D., D.Litt., SET (Comp), SET (Mgt) Principal, MKJC Academic Council Member, Thiruvalluvar University	
For further details contact Ms. M. Deepa Mobile : 9840319829 Ms. P. Praveena Mobile : 9791624806		Organized by PG Department of Physics Marudhar Kesari Jain College for Women (A Project of Sri Marudhar Kesari Jain Trust) Permanently Affiliated to Thiruvalluvar University An ISO 9001:2015 Certified Institution Re-accredited with "A" Grade by NAAC Marudhar Nagar, Chinnakallupalli, Vaniyambadi - 635 751. Phone No. : 04124 - 224300, 225300 Website : www.mkjc.in	

About the College

The college is established by Sri Marudhar Kesari Jain Trust, constituted by the well known Jain philanthropists. The college was started in 1994 to educate the women in rural and urban areas. The focus of the college is to impart quality education and to inculcate moral and ethical values in future citizens. The motto of the college is Empowerment Excellence.

This college is situated in a sprawling campus of 25 acres which is located between Chennai and Bangalore & 10 Kms from Jolarpet Junction. It has the pride of getting Re-Accredited with "A" Grade by NAAC. It is also an ISO 9001:2015 certified institution.

The college offers 15 UG courses, 11 PG courses, 6 M.Phil research programmes and Ph.D. in Commerce.

Seminar Theme

The seminar is aimed to bring Scientists, Professors, Research Scholars and the Students together under one roof to discuss and share latest developments of Nanomaterials, Solar cells and its Applications.

Invited Speakers

Dr. S. Uthanna M.Sc., Ph.D.,
UGC-BSR Faculty Fellow,
Department of Physics,
Sri Venkateshwara University,
Tirupathi - 517502.

Dr. E. Parasuraman M.Sc., Ph.D.,
Assistant Professor,
Indian Academy Degree College
(Autonomous),
Bangalore - 560043.

Registration

Papers are invited from faculties, research scholars and students.

Interested candidates are asked to send their abstract to the following Email ID : physicsdept091@gmail.com

Registration

Registration is compulsory for all participants. Registration fee includes seminar kit and lunch.

Registration fee as follows

- For the participants - Rs. 150/-
- For the paper / poster presenter - Rs. 200/-

Important Date

Last Date for submission of the abstract is 10-10-2018

General Rules

- Participants are requested to bring their ID proof.
- Certificates will be issued to all the registered candidates.
- No TA/DA will be given.
- Participants are requested to register by 8.45 a.m.

Theme for Paper & Poster Presentation

- Nanomaterials
- Biomaterials
- Thin films
- Polymers
- Spectroscopy
- Crystal Growth
- Smart materials
- Energy materials
- Super Conductors

The poster and Paper Presentation competitions for students were take place from 2.00 p.m. to 3.00p.m and valediction were at 3.00p.m.



ACADEMIC EXCELLENCE

In this academic year totally **236** students were studied in **Undergraduate**.

- Following the same in the same year **37** students were studied in **Post graduate**.

RESULT ANALYSIS

The prediction of is verified by the result analysis

- The overall **Undergraduate** semester result percentage was **84 %**.
- The overall **Post graduate** semester result percentage was **71 %**.

UNION BEARER

Student organization present in many colleges, universities, and high schools. In higher education, the students' union is often accorded its own building on the campus, dedicated to social, organizational activities, representation, and academic support of the membership.



M.Kanishka
III B.Sc Physics
Department Secretary



M.Divya
III B.Sc Physics
Karuna Club Secretary

RANK HOLDERS

The rank holders would be considered from affiliated universities wherein at least 100 students and in Deemed/Private Universities, Autonomous/Non-affiliated Colleges, at least 25 students have appeared in the examination at undergraduate level in the aforesaid programmes.

The below students are excellence in their academic and got university ranks under Thiruvalluvar University.



• **PREETHI. P**
• **5th Rank**



• **KANISHKA. M**
• **7th Rank**



• **ISWARIYA.S**
• **8th Rank**

STUDENTS ATTAINMENTS



Ms. S. Divya – I B. Sc Physics won I place with cash prize of Rs. 10, 000/- in Annual Essay writing Competition Conducted by Indian Institute of Public Administration, Delhi.

CO-CURRICULAR



❖ **Almaas Afreen Z** from III B.Sc student won **III Prize** in Paper Presentation on 4.5.2018 organized by Marudhar Kesari Jain College For Women, Vaniyambadi

❖ **Divya M** from I B. Sc student won **Rs. 10000** in Essay Competition/Urban Planning in Indian Developing an Integrated Approach on 26.10.2018 organized by the Indian Institute of Public Administration, New Delhi.

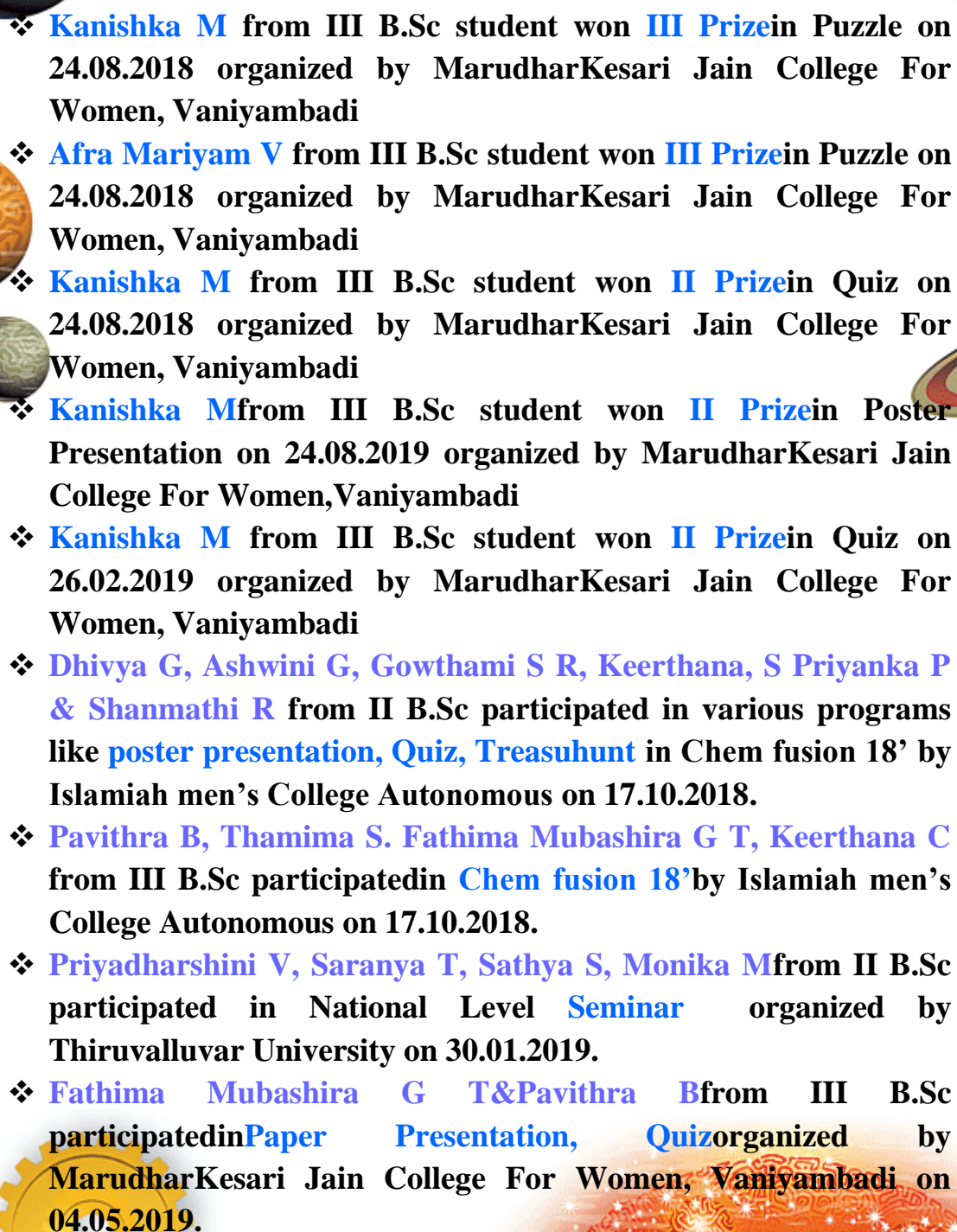
❖ **Masuda U** from II B.Sc student won **II Prize** in Quiz/Chem Fusion '18 on 17.10.2018 organized by Islamiah College Autonomous

❖ **Priyadharshini V** from II B.Sc student won **III Prize** in Talent Meet/Chem Fusion '18 on 17.10.2019 organized by Islamiah College Autonomous

❖ **Almaas Afreen Z** from III B.Sc student won **I Prize** in Quiz/Chem Fusion '18 on 17.10.2018 organized by Islamiah College Autonomous

❖ **Kanishka M** from III B.Sc student won **I Prize** in Quiz/Chem Fusion '18 on 17.10.2018 organized by Islamiah College Autonomous

❖ **Kanishka M** from III B.Sc student won **II Prize** in Poster Presentation on 4.5.2018 organized by Marudhar Kesari Jain College For Women, Vaniyambadi

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- ❖ **Kanishka M** from III B.Sc student won **III Prize** in Puzzle on 24.08.2018 organized by MarudharKesari Jain College For Women, Vaniyambadi
 - ❖ **Afra Mariyam V** from III B.Sc student won **III Prize** in Puzzle on 24.08.2018 organized by MarudharKesari Jain College For Women, Vaniyambadi
 - ❖ **Kanishka M** from III B.Sc student won **II Prize** in Quiz on 24.08.2018 organized by MarudharKesari Jain College For Women, Vaniyambadi
 - ❖ **Kanishka M** from III B.Sc student won **II Prize** in Poster Presentation on 24.08.2019 organized by MarudharKesari Jain College For Women, Vaniyambadi
 - ❖ **Kanishka M** from III B.Sc student won **II Prize** in Quiz on 26.02.2019 organized by MarudharKesari Jain College For Women, Vaniyambadi
 - ❖ **Dhivya G, Ashwini G, Gowthami S R, Keerthana, S Priyanka P & Shanmathi R** from II B.Sc participated in various programs like **poster presentation, Quiz, Treasuhunt** in Chem fusion 18' by Islamiah men's College Autonomous on 17.10.2018.
 - ❖ **Pavithra B, Thamima S. Fathima Mubashira G T, Keerthana C** from III B.Sc participated in **Chem fusion 18'** by Islamiah men's College Autonomous on 17.10.2018.
 - ❖ **Priyadharshini V, Saranya T, Sathya S, Monika M** from II B.Sc participated in National Level **Seminar** organized by Thiruvalluvar University on 30.01.2019.
 - ❖ **Fathima Mubashira G T & Pavithra B** from III B.Sc participated in **Paper Presentation, Quiz** organized by MarudharKesari Jain College For Women, Vaniyambadi on 04.05.2019.

EXTRA-CURRICULAR



❖ **AafreenAara L, Afra Mariyam V, Almaas Afreen Z & Kanishka M** from III B.Sc student won **I Prize** in Fashion Parade on 11.9.2018 organized by MarudharKesari Jain College For Women, Vaniyambadi.



❖ **Afra Mariyam V & Kanishka M** from III B.Sc student won **III Prize** in Puzzle on 28.08.2018 organized by MarudharKesari Jain College For Women, Vaniyambadi.

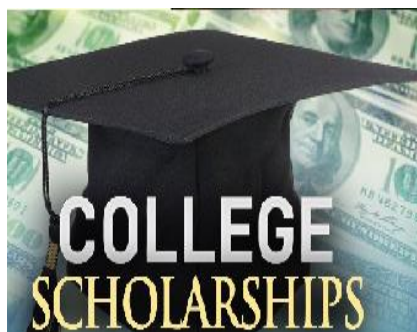
❖ **Kanishka M** from III B.Sc student won **II Prize** in Fine Arts / Aarthi Thatu 29.08.2018 organized by MarudharKesari Jain College For Women, Vaniyambadi.

❖ **Kanishka M** from III B.Sc student won **II Prize** in Fine Arts / Boquet Making 21.08.2018 organized by MarudharKesari Jain College For Women, Vaniyambadi.

SCHOLARSHIP

Our department 12 students UG and PG received Scheduled Caste (SC) Scholarship. In that to enable them to pursue their higher studies without any financial constraints.

- Three students from I B.Sc
- Two students from II B.Sc
- Three students from III B.Sc
- One student from I M.Sc
- Three student from II M.Sc



INDUSTRIAL VISIT



Industrial visit was arranged for the department students of I M.Sc & II M.Sc to Vainu Bappu Observatory, Kavalur on 07.08.2018. In this totally 9 students were participated and the Vainu Bappu

Observatory is an astronomical observatory, owned and operated by the Indian Institute of Astrophysics.

Outcome of the Industrial Visit

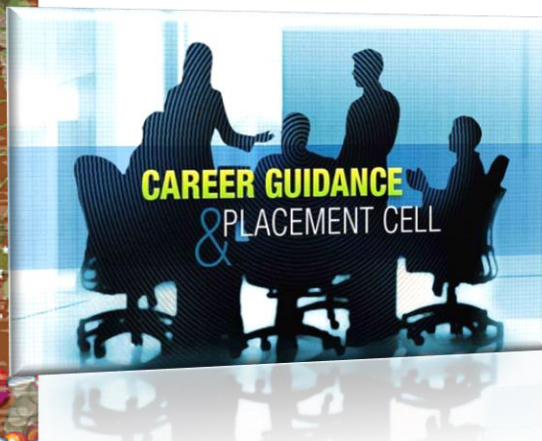
The students learned got an insight into the working principles of optical telescopes. They explored the universe through sky watch, which will surely lead them to innovative ideas.



VAINU BAPPU OBSERVATORY



PLACEMENT DETAILS



Our Department final year UG and PG students are participated and got selected in the various companies through campus interview conducted by Marudhar Kesari Jain College from Women, Vaniyambadi.

❖ Ten Students placed IDBI Federal Bank, Universal Mat. Hr. Sec. School