

**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

PG STUDENT

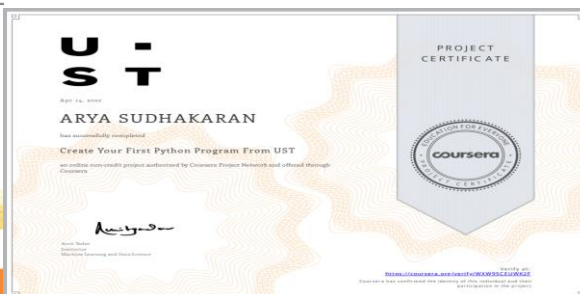
Ann Sandra Sebastian, A.Sobha, Sumangala R “ MnO₂/CoO electrode for supercapacitor: Synthesis and electrochemical performance” Materials Today Proceedings <https://doi.org/10.1016/j.matpr.2021.12.111>

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 <https://doi.org/10.1016/j.matpr.2021.12.178>

ii) Encouraged students to complete skill based certificate courses.

a) Arya Sudhakaran, III BSc Physics



b) Fida Fathima T, II BSc Physics



iii) SUMMER FELLOWSHIP

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

Ms.Abhinashree P – II Msc Physics – IUCAA

Ms. Jeesna MS- II Msc Physics -IUCAA



INDIAN INSTITUTE OF ASTROPHYSICS
Bengaluru



Online Summer School

E-Certificate of Participation

This is to certify that Aleena Wilson
has participated in the Summer School 2021 Programme held during July 12 -
16, 2021 conducted online at INDIAN INSTITUTE OF ASTROPHYSICS
Bengaluru, India.

16th July 2021

DATE

BGS, IIA



अंतर-विश्वविद्यालय केंद्र : खगोलविज्ञान और खगोलभौतिकी

IUCAA

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>



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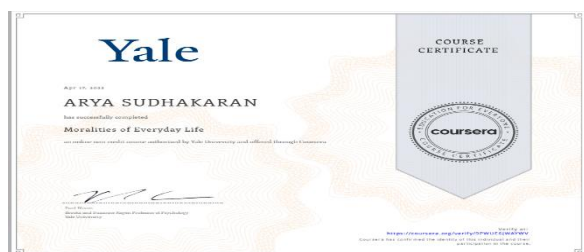
We are pleased to announce that Ms. Jeesna M S
from Providence Womens College
has been selected to attend the virtual Introductory Summer School in Astronomy
and Astrophysics that is being organised by IUCAA during May 10 - June 11, 2021.

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

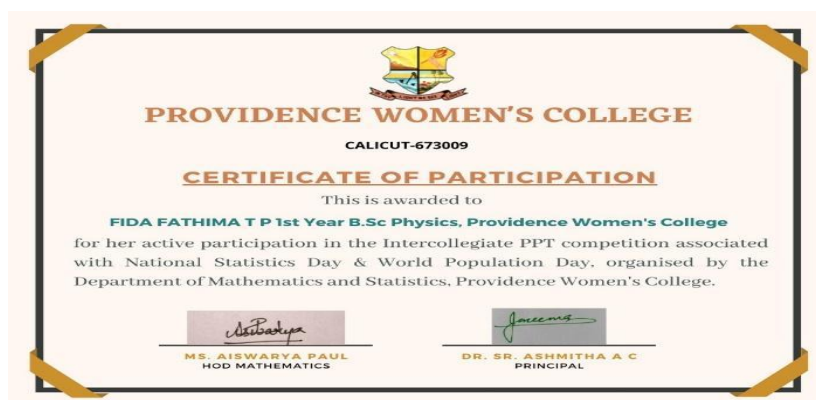


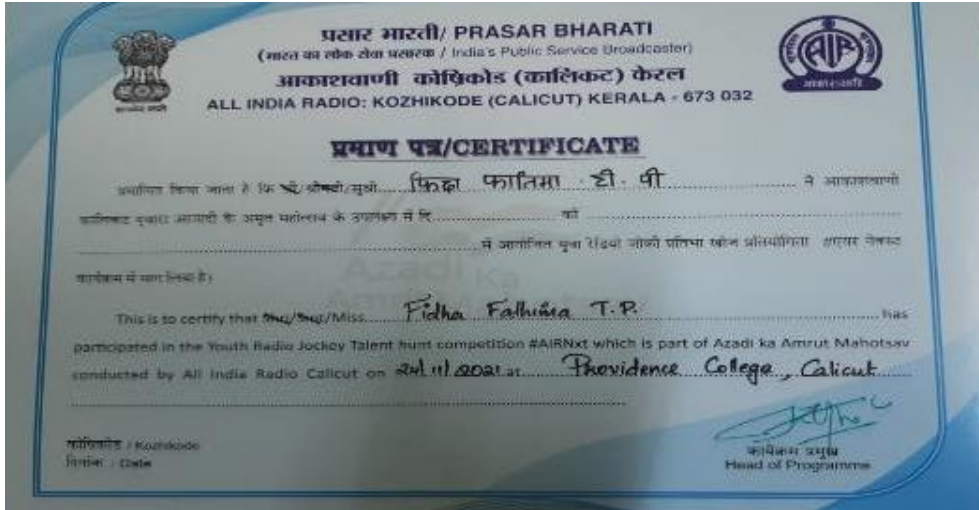
V) Encouraged to participate in various symposiums like quiz, poster presentation, Conferences, inter institution competition etc.

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

GATE 2022 Scorecard		GATE 2022 Scorecard			
Graduate Aptitude Test in Engineering (GATE)		Graduate Aptitude Test in Engineering (GATE)			
Name of Candidate	GAYATHRI NAMBIAR				
Parent's/Guardian's Name	SURESH MADHU				
Registration Number	PH22S51310216				
Date of Birth	14-Oct-2001				
Examination Paper	Physics (PH)				
GATE Score:	341	Marks out of 100:	26		
All India Rank in this paper:	3166	General	EWS/OBC (NCL)	SC/ST/PwD	
Number of Candidates Appeared in this paper:	19375	Qualifying Marks*	26.5	23.8	17.6
Valid up to 31 st March 2025					
					
* A candidate is considered qualified if the marks scored are greater than or equal to the qualifying marks mentioned for the category for which valid category certificate, if applicable, is produced along with the score card.					
Organising Institute: Indian Institute of Technology Kharagpur					
General Information					

JAM 2022 Scorecard		JAM 2022 Scorecard		JAM 2022 Scorecard		JAM 2022 Scorecard		JAM 2022 Scorecard	
Joint Admission Test for Masters		Joint Admission Test for Masters		Joint Admission Test for Masters		Joint Admission Test for Masters		Joint Admission Test for Masters	
CANDIDATE'S DETAILS Name: NAMITHA K Date of Birth: 27-Aug-1999 Parent/Guardian's Name: VADEVAI NAR K Registration Number: PH22S51310216		CANDIDATE'S DETAILS Name: AMRITHA T Date of Birth: 14-Oct-2001 Parent/Guardian's Name: SURESH MADHU Registration Number: PH22S51310216		CANDIDATE'S DETAILS Name: SREYA SANJEEV Date of Birth: 14-Oct-2001 Parent/Guardian's Name: SURESH MADHU Registration Number: PH22S51310216		CANDIDATE'S DETAILS Name: HUDA THASNEEM Date of Birth: 14-Oct-2001 Parent/Guardian's Name: SURESH MADHU Registration Number: PH22S51310216		CANDIDATE'S DETAILS Name: NAMITHA K Date of Birth: 27-Aug-1999 Parent/Guardian's Name: VADEVAI NAR K Registration Number: PH22S51310216	
CANDIDATE'S PERFORMANCE Test Paper Code: 1204 Marks Scored: 28.25 All India Rank: 3408		CANDIDATE'S PERFORMANCE Test Paper Code: 1204 Marks Scored: 28.25 All India Rank: 3408		CANDIDATE'S PERFORMANCE Test Paper Code: 1204 Marks Scored: 28.25 All India Rank: 3408		CANDIDATE'S PERFORMANCE Test Paper Code: 1204 Marks Scored: 28.25 All India Rank: 3408		CANDIDATE'S PERFORMANCE Test Paper Code: 1204 Marks Scored: 28.25 All India Rank: 3408	
CATEGORY WISE Test Paper Code: GEN Marks Scored: 25.45 All India Rank: 15.83		CATEGORY WISE Test Paper Code: GEN Marks Scored: 25.45 All India Rank: 15.83		CATEGORY WISE Test Paper Code: GEN Marks Scored: 25.45 All India Rank: 15.83		CATEGORY WISE Test Paper Code: GEN Marks Scored: 25.45 All India Rank: 15.83		CATEGORY WISE Test Paper Code: GEN Marks Scored: 25.45 All India Rank: 15.83	

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.

NAME	Topics.	Date	Ashida	Magna	Saiika	Aysha	Selin	Selin
GROUP 1	18/03 - Torque on a sliding block	18/03/2022	/	/	/	/	a	a
	Torque on the curved - pendulum	21/03/2022	/	/	/	/	a	/
1 Ashida Nasran	21/3/22 ⇒ Angular Momentum previous year questions	22/03/2022	/	/	/	/	/	/
2 Magna Mohan	22/03/22 ⇒ Gravitational field - Electrostatic force - Contact forces	23/03/2022	/	/	/	/	/	/
3 Saiika N.M	23/03/22 ⇒ Viscosity - Linear restoring force; spring and block	24/03/2022	/	a	/	/	/	/
4 Sreelakshmi	24/03/22 ⇒ The equation for simple harmonic motion; spring and gun:	25/03/2022	/	/	/	a	/	/
3. Aysha Abid	25/03/22 ⇒ The everyday forces of weight - Gravity and weight	28/03/2022	a	/	/	/	/	/
6. Selin Bessilim	26/03/22 ⇒ Integrating the equation of motion in one dimension	28/03/2022	a	/	/	/	/	/
	27/03/22 ⇒ Mass thrown upward in a uniform gravitational field.	29/03/2022	/	/	/	/	/	/
	28/03/22 ⇒ Potential energy of an inverse square force	30/03/2022	/	/	/	/	/	a
	29/03/22 ⇒ What potential energy tells about force - stability - Energy diagrams	30/03/2022	/	/	/	/	/	a
	29/03/22 ⇒ Integrating equation of motion in several dimensions	31/03/2022	/	/	/	/	/	/
	30/03/22 ⇒ Parallel axis theorem							
	30/03/22 ⇒ Dynamics of pure rotation about an axis							
	31/03/22 ⇒ Work-energy theorem for a rigid body							

Dr. A SOBHA
 Head of the Dept of Physics
 Providence Women's College
 Kozhikode, Kerala - 673 009

Group 2	Topics	Date	Assess	Attn	St. Reg	Chances	Passes	Attns
1. Aswini A	Time independent forces, Time dependent forces	18/3/2022	/	/	/	a	/	a
2. Anecoa A.P	Work done by a constant force, work done by a variable force, conservative forces, Energy, Kinetic energy.	21/3/2022	/	/	a		a	/
3. Sr Rya Michael	Integrating the equation of motion in one dimension	22/03/2022	a	/	/	/	/	/
7. Falhima shameda etc	22/03/2022 ⇒ Escape velocity - applying the work energy theorem	23/03/2022	/	/	/	/	/	/
5. Rasna Babu	23/03/2022 ⇒ Centre of mass motion - Conservation of momentum	24/03/2022	/	a	/	/	/	/
6. Athira K Madhu	24/03/2022 ⇒ Spring Gun Recoil	25/03/2022	/	/	a	/	/	/
	24/03/2022 ⇒ The vector nature of angular velocity and angular momentum	28/03/2022	/	/	/	/	/	a
	25/03/2022 ⇒ Solving equation of simple harmonic motion	28/03/2022	/	/	/	/	/	a
	25/03/2022 ⇒ Work-energy theorem in one dimension	29/03/2022	/	/	/	a	/	/
	28/03/2022 (FN) ⇒ Atwood's machine with a massive pulley	30/03/2022	/	/	/	a	/	/
	28/03/2022 (AN) ⇒ The simple pendulum	30/03/2022	/	/	/	a	/	/
	29/03/2022 ⇒ Drum rolling down a plane; energy method	31/03/2022	a	/	/	/	/	a
	30/03/2022 (FN) ⇒ Gravitational field - Electrostatic force - Contact force							
	30/03/2022 (AN) ⇒ Contact force - Block and string							
	31/03/2022 ⇒ Non conservative forces - General law of conservation of energy							

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GROUP 3	TOPICS	Date	Chances	Attn	St. Reg	Passes	Attns
1. Charitra S	Time independent force, dependent force, work done by constant force, variable force.	18-03-22	/	/	a	a	a
2. Ananya P		20/03/2022	/	/	/	/	/
1. Nandana C.K	21/03/2022 ⇒ Parallel Axis theorem	22/03/2022	/	/	/	/	/
1. Saranya V.Nair	22/03/2022 ⇒ Solving equation of simple harmonic motion	23/03/2022	a	/	/	/	/
1. Anamika N.C	23/03/2022 (FN) ⇒ Torque due to gravity - angular momentum and fixed axis rotation	24/03/2022	/	a	/	/	/
3. Sangeetha E	23/03/2022 (AN) ⇒ Moment of inertia of some simple objects	25/03/2022	/	/	a	/	/
1. Aryanadhavan	24/03/2022 (FN) ⇒ Motion involving both translation and rotation	25/03/2022	/	/	/	/	/
	25/03/2022 (FN) ⇒ Angular momentum of a rolling wheel	28/03/2022	/	/	/	/	/
	25/03/2022 (FN) ⇒ Drum rolling down a plane - Work energy theorem	29/03/2022	/	/	/	/	/
	28/03/2022 (AN) ⇒ Drum major's labors	30/03/2022	a	/	/	a	/
	28/03/2022 (AN) ⇒ Centre of mass motion - Conservation of momentum	30/03/2022	/	/	/	/	a
	29/03/2022 ⇒ The rotating block, conical pendulum	31/03/2022	/	/	/	/	/
	30/03/2022 (FN) ⇒ Hanging rope; rotating rope						
	30/03/2022 (FN) ⇒ Pulleys						
	31/03/2022 ⇒ Block and wedge with friction						

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GROUP 4	TOPICS	DATE	Roshani	Hiba	Krishna	Sarini	Sapna	Thanya	
1. Rashmi Ray NP	18/03/2022 ⇒ The astronaut's bag of wool, freight train, constraints	18/03/2022	/	/	/	/	a	/	#
2. Hiba Fathima T	21/03/2022 ⇒ Newton's first, second and third law - Astronauts in space.	21/03/2022	/	/	a	/	/	a	#
3. Krishnendhu K	22/03/2022 ⇒ The equation for simple harmonic motion; spring and gun.	22/03/2022	a	/	/	/	a	/	#
4. Saniya Prasad K	23/03/2022 ⇒ Work-energy theorem - conical pendulum	23/03/2022	/	/	/	/	/	/	#
5. Saptad M.N	24/03/2022 ⇒ Escape velocity	24/03/2022	/	/	/	/	a	/	#
6. Theetha Shaji	25/03/2022 ⇒ Parallel axis theorem - dynamics of pure rotation about an axis	25/03/2022	/	/	/	/	/	a	#
	26/03/2022 ⇒ Rotation through finite angles - rotation in the x-y plane	26/03/2022	/	/	/	/	/	a	#
	27/03/2022 ⇒ Vector nature of angular velocity.	27/03/2022	/	/	a	/	/	/	#
	28/03/2022 ⇒ Mass thrown upward in a uniform gravitational field.	28/03/2022	/	/	/	/	/	/	#
	29/03/2022 ⇒ Solving the equation of simple harmonic motions.	29/03/2022	/	/	/	/	/	/	#
	30/03/2022 ⇒ General law of conservation of energy - Power.	30/03/2022	/	/	/	/	/	/	#
	31/03/2022 ⇒ Physical pendulum.	31/03/2022	/	/	/	/	/	a	#
	01/04/2022 ⇒ Motion involving both translation and rotation.								
	02/04/2022 ⇒ Stability - Energy diagrams.								

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GROUP 5	TOPICS	DATE	Roshani	Hiba	Krishna	Sarini	Sapna	Thanya	
1. Anjali Krishna A.K	18/03/2022 ⇒ upto K.C	18/03/2022	a	a	a	a	a	a	#
2. Medha Sudhakar T	21/03/2022 ⇒ Integrating equation of motion in one dimension	21/03/2022	/	/	a	/	/	/	#
3. Fathima Nesrin P	22/03/2022 ⇒ Work-energy theorem - conical pendulum	22/03/2022	a	/	/	/	/	/	#
4. Neeshma mehra M.P	23/03/2022 ⇒ Escape velocity - Applying work energy theorem.	23/03/2022	/	/	/	/	/	/	#
5. Jumaitha P.K	24/03/2022 ⇒ Work done by uniform force.	24/03/2022	/	/	/	/	/	/	#
6. Jyothika U	25/03/2022 ⇒ Non conservative forces - General law of conservation of energy.	25/03/2022	/	/	/	/	/	/	#
	26/03/2022 ⇒ Torque due to gravity	26/03/2022	/	/	/	/	/	/	#
	27/03/2022 ⇒ Angular momentum and fixed axis rotation	27/03/2022	/	/	/	/	/	/	#
	28/03/2022 ⇒ Rotation through finite angles	28/03/2022	/	/	/	/	/	/	#
	29/03/2022 ⇒ Hanging rope, whirling rope.	29/03/2022	/	/	/	/	/	/	#
	30/03/2022 ⇒ Elasticity - linear restoring force	30/03/2022	/	/	/	/	/	/	#
	31/03/2022 ⇒ Dynamics of pure rotation about an axis	31/03/2022	/	/	/	/	/	/	#
	01/04/2022 ⇒ Uniform gravitational field - conservative force.								

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Group 6	Topics	Date	Krishna	Ramya	Nafila	Adithya	Harsha		
1. Krishnarajana	Work - Energy Theorem. in 1 dimension	18.03.22	/	/	/	/	a	✗	
2. Adithya	Work Inv upto Inverted pendulum	21.03.22	/	/	/	/	/	✗	
3. Harsha K	22/3/22 ⇒ Angular momentum of a particle	22/03/2022	/	a	/	/	/	✗	
4. Nafila Banu KS	23/3/22 ⇒ Angular momentum of conical pendulum (FN)	23/03/2022	/	/	/	/	/	✗	
5. Punnya S	23/3/22 ⇒ Centrifugal motion & law of equal areas (AN)	23/03/2022	/	/	/	a	a	✗	
	24/3/22 ⇒ Moment of inertia of some simple pendulums.	24/03/2022	/	/	a	/	/	✗	
	25/3/22 ⇒ The parallel axis theorem (FN)	25/03/2022	/	/	/	/	/	✗	
	25/3/22 (AN) ⇒ Dynamics of pure rotation about an axis	28/03/2022	a	/	/	/	/	✗	
	25/3/22 (AN) ⇒ Dynamics of pure rotation about an axis	28/03/2022	/	a	/	/	/	✗	
	28/3/22 (FN) ⇒ Atwood's machine with a massive pulley.	29/03/2022	/	/	/	/	/	✗	
	28/3/22 (AN) ⇒ The simple pendulum.	30/03/2022	/	/	/	/	/	✗	
	29/3/22 ⇒ Angular momentum of a rolling wheel.	31/03/2022	a	/	/	a	/	✗	
	30/3/2022 (AN) ⇒ Disc rolling down a plane: Energy method		Dr A. Sobha						
	30/3/2022 (AN) ⇒ Vector nature of angular velocity.		Dr A. SOBHA Head of the Dept. of Physics Provident College Kozhikode 686 009						
	31/3/2022 ⇒ Conservation of angular momentum								