

BOARD OF STUDIES MEETING (ONLINE)

PHYSICS DEPARTMENT

Agenda for Board of Studies meeting of Physics Department,
Swarnandhra College of Engineering & Technology (Autonomous)
on **16.10.2023 at 3:00 PM**

1. Introduction of Members
2. Finalization of Engineering Physics and Laboratory Course Syllabus to be taught by Physics Department of Basic Sciences and Humanities from the Academic Year 2023-24 onwards.
3. Finalization of Model Paper and list of Paper Setters
4. Any other matter with the permission of the chair.

PHYSICS:

<https://zoom.us/rec/share/VMDRfxhlrxZezqWa9lqJXwbgKNAB68odQE8brzytTpnJtluACJfmLh3FD6xcQ7IC.xL0myQeCnl6gVjoO?startTime=1697448701000>

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SWARNANDHRA COLLEGE OF ENGINEERING & TECHNOLOGY

AUTONOMOUS



Accredited by National Board of Accreditation, AICTE, New Delhi
Accredited by NAAC with "A" Grade-3.32/4.00 CGPA,
Recognised under 2(f) & 2(B) of UGC Act 1956, Approved by AICTE,
Permanently Affiliated to JNTUK, Kakinada
SEETHARAMPURAM, NARSAPURAM-534 280, W.G.DT.,

DEPARTMENT OF SCIENCES & HUMANITIES MINUTES OF BOARD OF STUDIES

Subject: Physics

Date: 16.10.2023

BOS Meeting (Online) of Physics was held on 16.10.2023 at 3:00PM

The following members were present:

1	Dr. G. Padmaja Rani	Professor and HOD, JNTUK, Kakinada
2	Dr. K. V. Ramesh	Professor & HOD, Department of Physics, GITAM Deemed to be University, Rushikonda, Visakhapatnam
3	Dr. V. Swaminadham	Professor & HOD, SCET, Narsapur
4	Dr. N. GnanaPraveena	Assoc. Prof, Dept. of Physics, SCET, Narsapur
5	Dr. K. Ramanjaneyulu	Assoc. Prof, Dept. of Physics, SCET, Narsapur
6.	Dr. S. Sarvanan	Assoc. Prof, Dept. of Physics, SCET, Narsapur
7.	Mr. K. Koteswara Rao	Asst. Prof, Dept. of Physics, SCET, Narsapur
8.	Mr. K. N. V. Narasimha Rao	Asst. Prof, Dept. of Physics, SCET, Narsapur

Resolutions:

- It is unanimously concluded to follow the rules and regulations stipulated by Academic Council for internal and external evaluations.
- Proposed Engineering Physics Syllabus was accepted with Minor Corrections (i.e) "Density of States" in Unit No III
- It is unanimously accepted to strengthen the practical paper by introducing the new practical such as Numerical Aperture and Acceptance angle of an Optical Fiber, the charge carrier density by using Hall Effect, and dielectric constant of a given material are added. The acceleration due to gravity at your place by using compound pendulum and rigidity modulus of the given material wire by using Torsional pendulum are removed. Virtual Labs are incorporated this time.

Paper setters:

The following are the list of paper setters

1. Dr. G. Padmaja Rani
Professor and HOD
JNTUK
Kakinada
9440463002
2. Dr. G. J. Nagaraju
Asst. Professor
JNTUK, Vizianagaram
(University Nominee)
9440131535
3. Dr. G. Vijaya Prakash
Professor
Department of Physics, IITD, New Delhi
(Subject Expert)
Ph No:911126591326
4. Dr. K. V. Ramesh
Professor
GITAM Deemed to be University, Rushikonda, Visakhapatnam
(Subject Expert)
9848292228
5. Dr. Y.P.K.Raghava
Prof & HOD, S&H Dept.
G.V.P.Engg college
Visakhapatnam.
9705734808
6. D. K Samatha
Professor
Andhra University
Visakhapatnam.
9441044529

The above mentioned changes are discussed and unanimously accepted by the BOS committee. The meeting was successfully closed with fruitful discussions.



V. Swaminadham

Dr. V. Swaminadham
Chairman BOS

12. Study of Characteristic curves (I/V) of a Zener diode to determine its Breakdown voltage.

Note: Any TEN of the listed experiments are to be conducted. Out of which any TWO experiments may be conducted in virtual mode.

References:

- A Textbook of Practical Physics - S. Balasubramanian, M.N. Srinivasan, S. Chand Publishers, 2017.

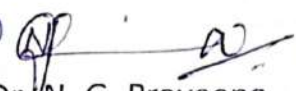
Web Resources


- www.vlab.co.in
- <https://phet.colorado.edu/en/simulations/filter?subjects=physics&type=html,prototype>



Dr. G. Padmaja Rani


Dr. K. V. Ramesh

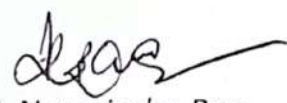

Dr. V. Swaminadham


Dr. N. G. Praveena


Dr. K. Ramajaneyulu


Dr. S. Sarvanan


K. Koteswara Rao


K. N. V. Narasimha Rao