



SWARNANDHRA COLLEGE OF ENGINEERING & TECHNOLOGY AUTONOMOUS

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ACCREDITED BY NAAC WITH "A" GRADE-3.32 CGPA,
Recognized under 2(f) & 2(B) of UGC Act 1956, Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada
Seetharampuram, Narsapuram-534 280, W.G.Dt.

BOARD OF STUDIES DEPARTMENT OF PHYSICS

S. No	Name	Designation	Contact Details	E-Mail ID	Contact Numbers	Remarks
1	Dr. V. Swaminadham	Professor & HOD	Head of the Department, S&H, SCET, Narsapur	swamiji_v@yahoo.com shhod@swarnandhra.ac.in	9346610099	Chairman
2	Dr. G. J. Nagaraju	Asst. Prof.	University College of Engineering, JNTUK, Vizianagaram	gjnraju.phy@jntukevc.ac.in	9440131535	University Nominee Nominated by Vice Chancellor
3	Dr. G. Vijaya Prakash	Professor of Physics	Department of Physics, IITD, New Delhi	prakash@physics.iitd.ac.in	9818659298	Subject Expert Nominated by Academic Council
4	Dr. K. V. Ramesh	Professor of Physics	Department of Physics & Electronics, GITAM Deemed to be University, Rushikonda, Visakhapatnam	kvramesh11@gmail.com	9848292228	Subject Expert Nominated by Academic Council
5	Dr. N. Gnana Praveena	Assoc. Prof	Dept. of Physics SCET, Narsapur	praveenanethala@gmail.com	9441070975	Internal Member
6	Mr. K. Koteswara Rao	Asst. Prof.	Dept. of Physics SCET, Narsapur	k.koteswararao6@gmail.com	9247464542	Internal Member
7	Mrs. P. Saraswathi	Asst. Prof.	Dept. of Physics SCET, Narsapur	saraswathipudi@gmail.com	9440436670	Internal Member


Dr. V. Swaminadham
Chairman BOS




Dr. S. Suresh Kumar
Principal

BOARD OF STUDIES MEETING

Physics Department

Agenda for Board of Studies meeting of Physics Department,
Swarnandhra College of Engineering & Technology (Autonomous)
on 11.09.2019 at 11:00 AM

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 2019-20 onwards.
3. Finalization of Model Paper and list of Paper Setters
4. Any other matter with the permission of the chair.



V. Swaminadham

CHAIRMAN
COMBINED BOARD OF STUDIES
Swarnandhra College of Engineering & Technology

Dr G. J. NAGA RAJU -

G. Nagaraj
11/09/2019

Mr K. V. RAMESH -

K. Venkatesh
11/9/2019

Dr G. V. PRAKASH -

- Absent -

Dr V. SWAMINADHAM -

V. Swaminadham

Dr N. G. PRAVEENA -

N. G. Praveena

Mr. K. KOTESWARA RAO -

K. Koteshwar Rao

Mrs. P. SARASWATHI -

P. Sarathi

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DEPARTMENT OF SCIENCES & HUMANITIES

MINUTES OF BOARD OF STUDIES

Subject: Physics

Date: 11.09.2019

BOS Meeting of Physics was held on 11.09.2019 in the Department of Sciences & Humanities

The following members were present:

1	Dr. G. J. Nagaraju	Asst. Prof., University College of Engineering, JNTUK, Vizianagaram
2	Dr. K. V. Ramesh	Professor of Physics, Department of Physics & Electronics, 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	Mr. K. KoteswaraRao	Asst. Prof, Dept. of Physics, SCET, Narsapur
6	Mrs. P. Saraswathi	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. External question paper was finalized by allotting marks for section-A, 10 marks (5x2); section-B 50 marks (5x10) respectively. Section-B consisting of internal choice from each unit.
- It is concurrently concluded to change total six units to five units and order of units also changed.
- In first unit Crystal structure and x-ray diffraction Laue method and Powder methods are removed and Bragg's spectrometer is added.
- In the second unit Magnetic and dielectric properties has to be retained as it is without any changes.
- The 3rd unit Electromagnetic waves and superconductivity. In this unit B for a Solenoid (Ampere's law) is introduced.
- The 4th unit title is changed as physics of semiconductors. In this unit Origin of energy Band formation in solids, dependence of Fermi energy on carrier concentration and temperature are removed.
- The 5th unit title is Lasers and optical fibers. In this unit lasers and optical fibers syllabus has to be retained as it is without any changes.

- It is unanimously accepted to strengthen the practical paper by introducing the new practicals such as Numerical Aperture and Acceptance angle of an Optical Fiber, the charge carrier density by using Hall Effect, Characteristic curves (I/V) of a P-N diode 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.

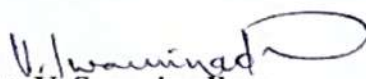
Paper setters:

The following are the list of paper setters

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




Dr. V. Swaminadham
Chairman BOS
COMBINED BOARD OF STUDIES
Swamandhra College of Engineering & Technology