S.K.R Govt. Degree college, Gudur, SPSR Nellore Dist.

Department of Physics

Criteria Wise Departmental Activities

2019-2020

N.Nagaraj M.Sc.M.Phil.
Lecturer in Physics

CRITERIA I: Curricular Aspects

1.1 Curriculum design and development
(Autonomous colleges)

1.1 Curriculum planning and implementation
(Affiliated colleges)

1.2 Academic Flexibility

1.3 Curriculum enrichment

1.4 Feedback system

1.1Curriculum design and development:

- Curriculum designed in the form of Choice Based Credit System by the V.S University.
- Choice Based Credit System was proved to be effective for student's for overall progression.
- The Choice Based Credit System facilitate freedom for the learners to decide on papers they wish to learn.

1.1.Curriculum planning and implementation :

- Maintained well framed Academic calendar and lesson plans, Schedule systematic delivery of content.
- To promote academic excellence in the areas of student choice.
- To make the system more self-reliant by introducing at least partially the internal assessment process.
- To enable student to enhance their practical skills.
- To facilitate awareness of the current trend and movement in the chosen subject.

1.2.Academic Flexibility :

- The students are given choice based elective and cluster papers which they wish to learn.
- Implemented the courses like Leadership Management, Entrepreneurship, Soft and communication skills to enhance the skill and entrepreneurship attitude.

1. **3.<u>Curriculum enrichment</u>**:

- In order to extend students' education beyond their main course of study we provide Bridge course for first year students, group projects, practical work, creative expression, discussion and brain-storming sessions. These programs enrich the students' educational experience for further education and enhance students' confidence to achieve their goals.

1.4.<u>Feedback system</u> :

- Student Feedback system for students have been implemented on various areas i.e., Feed back on course for the improvement of course content, Feedback on faculty to analyse faculty performance and Parents Feedback for overall constructive development of the institution.

CRITERIA II: Teaching-Learning and Evaluation

2.1 Student enrollment and Profile

2.2 Catering to student Diversity

2.3 Teaching –Learning Process

1. Class room activities (Month wise)
2. Student Seminars

2.4 Teacher Profile and Quality

2.5 Evaluation Process and Reforms

1. Assignments
2. Project work

2.6 Student Performance and Learning outcomes

1. Programme outcomes (Pos)
2. Academic Results

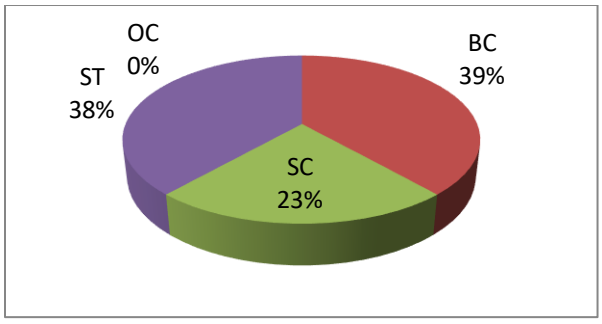
2.7 Student Satisfaction Survey

2.1 Student enrollment and Profile

S.NO	Name of the student	Hall Ticket Number	Group
		I B.Sc	
1.	Ch. Venkateswarlu	193129001	MPC
2.	Ch. Naveen	193129002	MPCs
3.	G. Venkateswarlu	193129003	MPCs
4.	J . Ganesh	193129004	MPCs
5.	Sk. Akhila	193129005	MPCs
		II B.Sc	
1.	k.Sreenivasulu	183129001	MPCs
2.	P.Nissi	183129002	MPCs
3.	P.Venkaiah	183129003	MPCs
4.	S.Vinodh	183129004	MPCs
5.	Y.Sasi Kumar	183129005	MPCs
		III B.Sc	
1.	D.Yedukondalu	173129001	MPCs
2.	G.Gowtham Kumar	173129002	MPCs
3.	M.Govardhan	173129003	MPCs
4.	N.Sasi kumar	173129004	MPCs

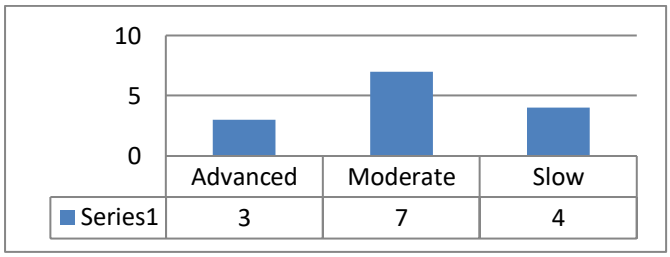
➢ Social Status:

S.NO	Name of the student	Hall Ticket Number	Group	Mode of Learner
		I B.Sc		
1.	Ch. Venkateswarlu	193129001	MPC	SC
2.	Ch. Naveen	193129002	MPCs	ST
3.	G. Venkateswarlu	193129003	MPCs	ST
4.	J . Ganesh	193129004	MPCs	ST
5.	Sk. Akhila	193129005	MPCs	BC-E
		II B.Sc		
1.	K.Sreenivasulu	183129001	MPCs	SC
2.	P.Nissi	183129002	MPCs	BC-C
3.	S.Vinodh	183129004	MPCs	BC
4.	Y.Sasi Kumar	183129005		ST
		III B.Sc		
1.	D.Yedukondalu	173129001	MPCs	BC-A
2.	G.Gowtham Kumar	173129002	MPCs	BC-A
3.	M.Govardhan	173129003	MPCs	SC
4.	N.Sasi kumar	173129004	MPCs	ST



2.2 Catering to student Diversity

S.NO	Name of the student	Hall Ticket Number	Group	Mode of Learner
		I B.Sc		
1.	Ch. Venkateswarlu	193129001	MPC	Moderate
2.	Ch. Naveen	193129002	MPCs	Moderate
3.	G. Venkateswarlu	193129003	MPCs	Moderate
4.	J . Ganesh	193129004	MPCs	Moderate
5.	Sk. Akhila	193129005	MPCs	Slow
		II B.Sc		
1.	K.Sreenivasulu	183129001	MPCs	Moderate
2.	P.Nissi	183129002	MPCs	Advanced
3.	P.Venkaiah	183129003	MPCs	Slow
4.	S.Vinodh	183129004	MPCs	Moderate
5.	Y.Sasi Kumar	183129005		Moderate
		III B.Sc		
1.	D.Yedukondalu	173129001	MPCs	Slow
2.	G.Gowtham Kumar	173129002	MPCs	Slow
3.	M.Govardhan	173129003	MPCs	Advanced
4.	N.Sasi kumar	173129004	MPCs	Advanced



2.3 Teaching –Learning Process

- Class room activities:

Lecturer: N. Nagaraj Semesters: I, III &V

S. No	SEM	Mode of activity	Date	Topic
June & July 2019				
1.	V	Class Test	01.07.19	Gauss law, E due to Uniformly charged Sphere.
2.	V	Student Seminar	01.07.19	Electro statics
3.	III	Class Test	03.07.19	Spherical Aberration
4.	V	Class Test	04.07.19	Hall effect
5.	III	Class Test	04.07.19	Chromatic Aberration
6.	I	Class Test	05.07.19	Variable Mass System
7.	V	Class Test	08.07.19	Biot- Savart law
8.	I	Class Test	09.07.19	Elastic Collision
9.	I	Class Test	22.07.19	Precession of a top
10.	III	Class Test	23.07.19	Fresnel's biprism
11.	V	Class Test	26.07.19	Transverse nature of electromagnetic Waves
12.	III	Class Test	30.07.19	Quarter wave plate
13.	III	Class Test	31.07.19	Nicol Prism

August, September & October 2019:

S.NO	SEM	Mode of activity	Date	Topic
1.	III	Class Test	03.08.19	Michelson Interferometer
2.	III	Class Test	05.08.19	Beams
3.	V	Class Test	07.08.19	Transistor
4.	III	Class Test	13.08.19	Ruby Laser
5.	V	Internal Exam	19.08.19	On completed syllabus
6.	I	Internal Exam	20.08.19	First and Second Units
7.	I	Internal Exam	22.08.19	First and Second Units
8.	V	Class Test	27.08.19	Einstein coefficients
9.	III	Class Test	31.08.19	Wedge shaped Film
10.	III	Class Test	07.09.19	Half Period Zones
11.	III	Class Test	12.09.19	Zone plate
12.	I	Class Test	12.09.19	Kepler's laws
13.	I	Class Test	23.09.19	Michelson-Morly Experiment
14.	III	Internal Exam	24.09.19	On prescribed syllabus
15.	III	Student Semenar	25.09.19	
16.	III	Class Test	26.19.19	Babinet Compensator
17.	III	Class Tast	28.19.19	Cosine law Derivation
18.	III	Class Test	01.10.19	Pile of Plates, Malus Law
Dasara Holidays From 02.10.2019 to 08.10.2019				
19.	III	Problem Solving	15.10.19	On completed syllabus
20.	I	Class Test	21.10.19	Stokes and Gauss Theorm
From 06.11.2019 to 28.11.2019 I, III & V Semesters University Exams				

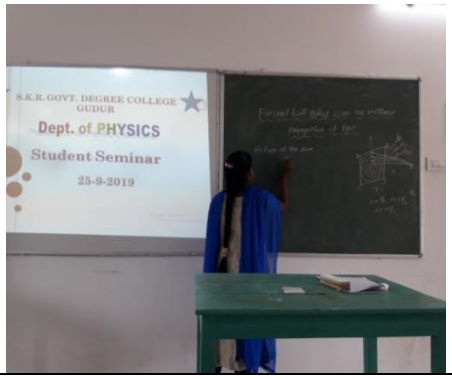
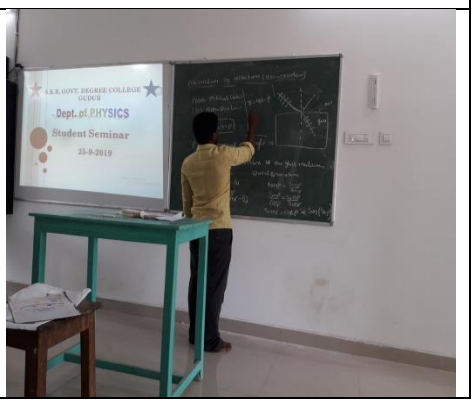
Semesters: II, IV&VI ***Month: Nov, Dec, Jan and Feb (2020)***

S. No	SEM	Mode of activity	Date	Topic
1.	VI	Class Test	18.12.19	Energy flow diagram
2.	IV	Class Test	19.12.19	Cornot Engine
3.	II	Class Test	21.12.19	Torsional Pendulum
4.	VI	Class Test	04.01.20	Nuclear Power Reactors
5.	IV	Class Test	07.01.20	T-S Diagram
6.	VI	Class Test	09.01.20	Solar Water Heater
7.	VI	Class Test	10.01.20	Solar cell & Apllications
Sankranti Holidays From 11.01.2020 to 19.01.2020				
8.	IV	Class Test	21.01.20	Joul- Kelvin Effect
9.	IV	Class Test	25.01.20	Adiabatic Demagnetisation
10.	IV	Internal Exam	28.01.20	First and Second Units
11.	VI	Internal Exam	30.01.20	First and Second Units
12.	II	Class Test	30.01.20	Compound Pendulum
13.	National Science Day celebrated on 28.02.2020			
14.	Science Exhibition conduced in Physics Laboratory on 28.02.2020			

➢ STUDENT SEMINARS SEM (V):

S.NO	Name of the student	Seminar Topic	Delivering Topic
1	**N. Sasi Kumar**	**Electrified intensity due to uniformly charged Sphere.** **Date : 01.07.2019**	 
2	**M.Govardhan**	**Electric field Intensity due to infinitely charged conducting plate.** **Date : 01.07.2019**	

➢ STUDENT SEMINARS SEM (III):

S.NO	Name of the student	Seminar Topic	Delivering Topic
1	**P. Nissi**	**Fresnel Half period Zones** **Date: 25.09.2019**	 
2	**Y. Sasi Kumar**	**Brewster's Law** **Date: 25.09.2019**	

➢ II B.SC (MPCS), IV SEM(18.02.2020)

1.		
	Name : P.Nissi	Topic: Coefficient of Thermal Conductivity
2.		
	Y. Sasi Kumar	Topic: Carnot's Engine
3.		
	S.Vinodh	Topic : Maxwell's Equations

2.4 Teacher Profile and Quality:

1.	Name of the Lecturer	N.Nagaraj
2.	Qualification	M.SC. M.Phil
3.	Area of Research	Polymer Thin Films
4.	Number of Research Papers	02(International)
5.	University in Which Studied	S.V University, Tirupati
6.	Date of Joining as Lecturer	20.05.2004
7.	Direct/Promotion	Direct (Through APPSC)
8.	Place of First Appointment	Kodad, Nalgonda Dist.
9.	Date of Joining in the Present Station	30.06.2016
10.	Total Service	16 Years
11.	Number Refresher Courses Attended	02
12.	Number Orientation Courses Attended	Nil
13.	Number of Seminars Attended	National: 09, District Level:07
14.	BOS Capacity	Member

2.5 Evaluation Process and Reforms:

- Internal exams conducted as per academic calendar given by University.
- Apart from Internal exams class tests conducted on regular basis to evaluate student performance in subject.
- Question bank, model question papers and university exams previous question papers of all semesters are kept in department library for overall knowledge on subject and as well as examination pattern.
- Student's performance is evaluated through the assignments, projects allotted to them.

➢ Assignments submitted by students:

S.NO	Sem	Group	Name of the Student	Topic
1.	V	MPCS	N.Sasi Kumar	1.Definitions in Electrostatics
				2.E due to uniformly charged cylinder
2.			M.Govardhan	1.E due to uniformly charged cylinder
3.	III	MPCS	P.Nissi	1.Lens Aberrations
				2.Interference
				3.Polarization
4.	IV	MPCS	P.Nissi	1.Thermodynamics
				2.Thermodynamic potentials and Maxwell's equations
5.			S.Vinodh	1.Thermodynamics
				2.Thermodynamic potentials and Maxwell's equations
6.			Y.Sasi Kumar	1.Thermodynamics 2. Thermodynamic potentials and Maxwell's Equations
7.	I	MPCS	G.Venkateswarlu	1. Mechanics of Particals
				2. Rigid Body Dynamics
8.			CH.Naveen	1. Mechanics of Particals
				2. Rigid Body Dynamics
9.			CH.Ganesh	1. Mechanics of Particals
				2. Rigid Body Dynamics

- **PROJECT WORK:**

The Final year B.Sc.(MPCS) students have done their Project work on " Environmental Pollution- Causes and Consequences" for the academic year 2019-2020.

2.6 Student Performance and Learning outcomes:

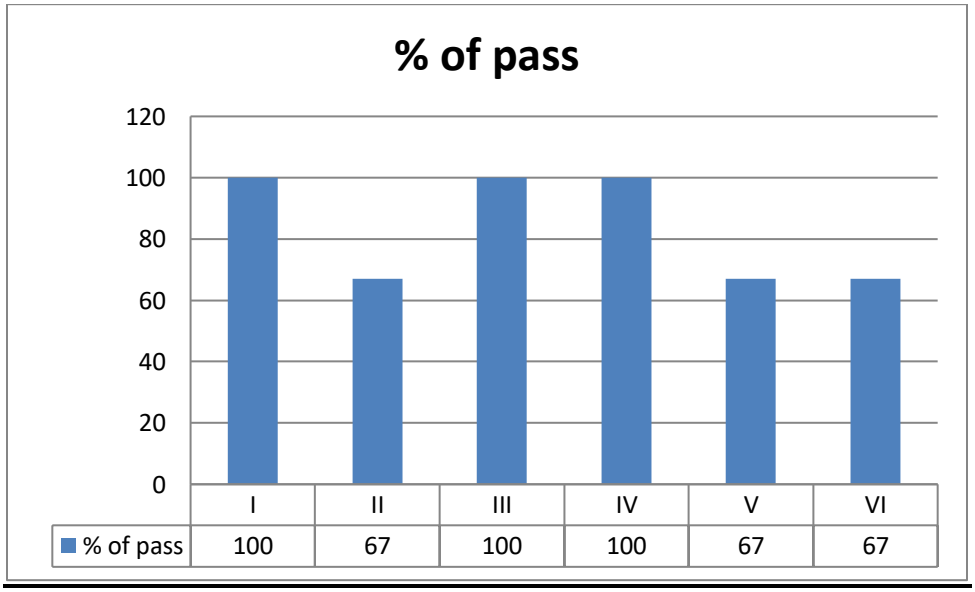
- Student Performance assessed through internal and external exams.
- Students Progression Register maintained for year wise progression
- Counseling sessions conducted and recorded to assess their performance.
- The II B.Sc (MPCs) group is allotted to the Department of Physics for Ward counseling for the academic year 2019-2020. For this, apart from regular class work, counseling classes are taken on various areas i.e., Personality Development, Carrere counseling, SWOT analysis with which to identify the various factors that may influence the accomplishments of the students. On the basis of theses one can develop effective strategies that would help in achieving their objectives.

PROGRAMME OUTCOMES (POs) :

- Apply principles/laws of physics to solve the physical problems.
- Identify/formulate the complex physics problems.
- Design the solutions for physics problems.
- Conduct experiments in physics and interpret the data.
- Use the modern tools to learn the physics.
- Take the responsibility for physics practice.
- Demonstrate the physics knowledge for sustainable development.
- Use ethical principles and norms of physics practice.
- Function effectively as individual as well as in a team.
- Communicate the physics effectively.
- Demonstrate the knowledge in physics to manage the physics projects effectively.
- Lifelong learning of physics.

➢ 1. Result Analysis:

S.NO	Sem	Appeared	Passed	Absent	Fail	% of Pass
1.	I	04	04	01	Nil	100
2.	II	04	02	01	01	67
3.	III	04	03	01	Nil	100
4.	IV	04	03	01	Nil	100
5.	V	03	02	Nil	01	67
6.	VI	03	02	Nil	01	67



2.7 Student Satisfaction Survey:

- Student Feedback system have been implemented on various parameters in improving the standards of oneself and institution.
- Feed back on course for the improvement of course content from final year students.
- Feedback on faculty to analyse faculty performance.
- Parents Feedback for overall constructive development of the institution.

Criterion III: Research, Innovation and Extension

3.1 Promotion of Research Facilities

3.2 Resource mobilization of Research

3.3 Innovation eco system

3.4 Research publications and Awards

3.5 Consultancy

3.6 Extension Activities

3.7 Collaboration

3.3 Innovation eco system

- Guest lectures and subject related programmes conducted in the department to motivate and inspire the students towards higher levels of education and research.

- The Department of Physics organized the National Science Day on 28.02.2020 on the theme "Women in Science". The respected Principal, faculty of all disciplines and the students are participated in the programme. The head of the institution conveyed that every student should have passionate on science and advised to grow well. Faculty of Physics presented an article on Raman Effect and explained the significance of science in our daily life. Related to the theme Women in Science, the B.Sc. (MPCs) students briefed of their views about significance and the need of encouraging the women in higher education by manifesting the famous women scientists throughout the world in the field of science.

- On the eve of National Science Day, The Department of Physics conducted a science exhibition in the laboratory by displaying the apparatus related to various branches of physics i.e. Mechanics, Optics, Thermodynamics, Electricity & Magnetism, Electronics and Renewable Energy to the students of B.A, B.COM and B.Sc. (MZC) groups to motivate and inspire them towards science. The faculty of physics explained the needy of Renewable Energy sources i.e. solar energy, Wind energy, Tidal energy and Ocean thermal energy for the future generations. Along with the students the respected Principal, faculty of all disciplines visited and showed their curiosity to know the functioning of every apparatus and conveyed their happiness about exhibition.

- National Science Day







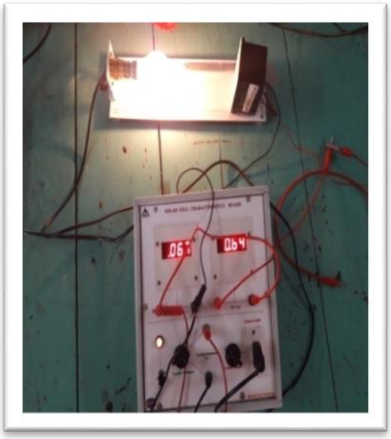
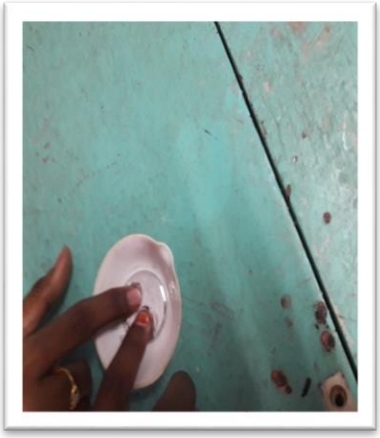


- Science Exhibition:



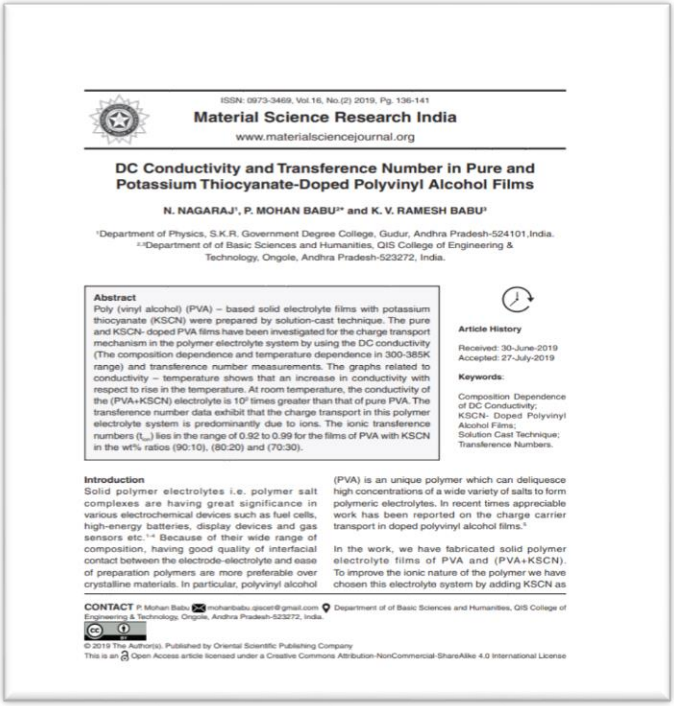




3.4 Research publications and Awards:

S.NO	Published Research Paper	Name of the Jounal	Volume
1.	DC Conductivity and Transference Number in Pure and Potassium Thiocyanate-Doped Polyvinyl Alcohol Films	Material Science Research India	ISSN: 0973-3469, Vol.16, No.(2) 2019, Pg. 136-141



ISSN: 0973-3469, Vol.16, No.(2) 2019, Pg. 136-141
Material Science Research India
www.materialsciencejournal.org

DC Conductivity and Transference Number in Pure and Potassium Thiocyanate-Doped Polyvinyl Alcohol Films

N. NAGARAJ[1], P. MOHAN BABU[2*] and K. V. RAMESH BABU[3]

[1]Department of Physics, S.K.R. Government Degree College, Gudur, Andhra Pradesh-524101,India.
[2,3]Department of of Basic Sciences and Humanities, QIS College of Engineering & Technology, Ongole, Andhra Pradesh-523272, India.

Abstract
Poly (vinyl alcohol) (PVA) – based solid electrolyte films with potassium thiocyanate (KSCN) were prepared by solution-cast technique. The pure and KSCN- doped PVA films have been investigated for the charge transport mechanism in the polymer electrolyte system by using the DC conductivity (The composition dependence and temperature dependence in 300-385K range) and transference number measurements. The graphs related to conductivity – temperature shows that an increase in conductivity with respect to rise in the temperature. At room temperature, the conductivity of the (PVA+KSCN) electrolyte is 10^2 times greater than that of pure PVA. The transference number data exhibit that the charge transport in this polymer electrolyte system is predominantly due to ions. The ionic transference numbers (t_{ion}) lies in the range of 0.92 to 0.99 for the films of PVA with KSCN in the wt% ratios (90:10), (80:20) and (70:30).

Article History
Received: 30-June-2019
Accepted: 27-July-2019

Keywords:
Composition Dependence of DC Conductivity; KSCN- Doped Polyvinyl Alcohol Films; Solution Cast Technique; Transference Numbers.

Introduction
Solid polymer electrolytes *i.e.* polymer salt complexes are having great significance in various electrochemical devices such as fuel cells, high-energy batteries, display devices and gas sensors etc.[1-5] Because of their wide range of composition, having good quality of interfacial contact between the electrode-electrolyte and ease of preparation polymers are more preferable over crystalline materials. In particular, polyvinyl alcohol (PVA) is an unique polymer which can deliquesce high concentrations of a wide variety of salts to form polymeric electrolytes. In recent times appreciable work has been reported on the charge carrier transport in doped polyvinyl alcohol films.[6]

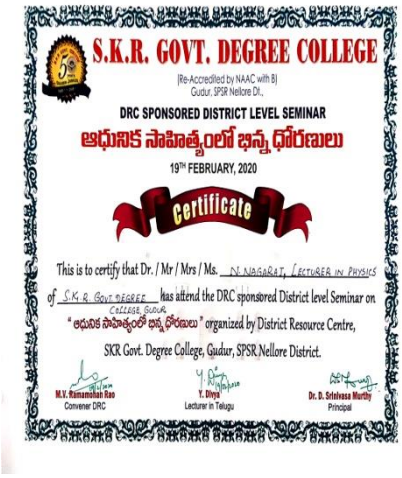
In the work, we have fabricated solid polymer electrolyte films of PVA and (PVA+KSCN). To improve the ionic nature of the polymer we have chosen this electrolyte system by adding KSCN as

CONTACT P. Mohan Babu mohanbabu.qiscet@gmail.com Department of of Basic Sciences and Humanities, QIS College of Engineering & Technology, Ongole, Andhra Pradesh-523272, India.

3.6 Extension Activities:

- Participation in Seminars/Conferences/Workshops

S.NO	Seminar/Conference/Work shop	Topic	Date	Venue
1.	National Conference	Recent Trends in Science, Engineering & Technology.	30th – 31th October2019	Annamacharya Institute of Technology & Sciences (Autonomous) Tirupati.
2.	National Seminar	Emerging Trends in Advances in Multi Functional Materials	10th – 11th December2019	Acharya Nagarjuna University, Department of Physics, Guntur.
3.	DRC Sponsored Seminar	ఆధునిక సాహిత్యంలో భిన్న ధోరణులు	19.02.2020	S.K.R Govt Degree College, Gudur, SPSR Nellore Dist.



CRITERIAN IV: Infrastructure and Learning Resources

4.1 Physical Facilities

4.2 Library as a Learning Resource

4.3 IT Infrastructure

4.4 Maintenance of Campus Infrastructure

4.1 Physical Facilities

- The Department has staff room with Departmental library.
- Having one laboratory equipped with latest instruments according to the CBCS syllabus.
- Recently equipped instruments are
    1. Stefan's Radiation constant apparatus
    2. Searle's apparatus for thermal conductivity
    3. Stefan's law apparatus
    4. I-V Characteristics of Solar cell
    5. Study the characteristics of Wind
    6. Apparatus to study the performance of a solar cell.
- Smart class room with Virtual class facility
- ICT enabled Digital class rooms.

4.2 Library as a Learning Resource

- The Departmental library having books, journals and subject related learning materials which enable students to acquire information, knowledge and skills required for their cource.

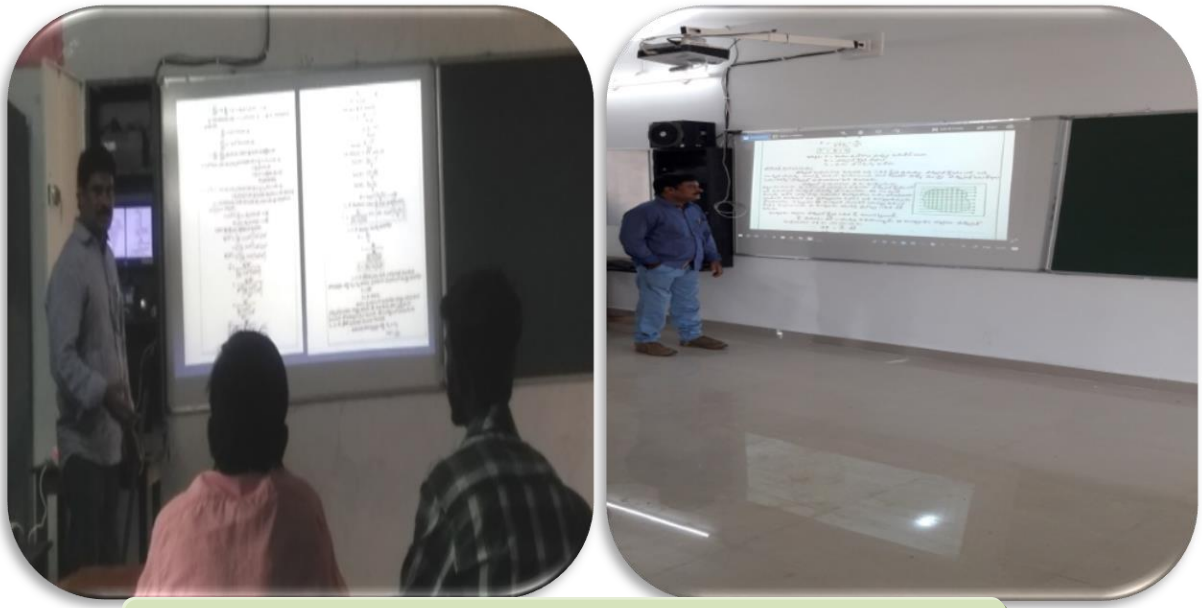
- The ICT and Virtual mode learning resources available in the smart class room facilitate the students access to technology and information retrieval on current and relevant issues.

Department Library

4.3 IT Infrastructure

The Department having:

- Smart class room with Virtual class facility
- ICT enabled Digital class rooms.



Smart class room with Virtual class facility

CRITERIA V: Student Support and Progression

5.1Student Support

1. Bridge course
2. Ward Counselling
3. Remedial coaching

5.2Student Progression

5.3Student Participation and Activities

5.4Alumni Engagement

5.1Student Support

- Bridge Course:

The Bridge course for I B.Sc. (MPC &MPCS) students on "Mechanics" was conducted to support the students to have a smooth transition to higher level of studies.

S.NO	Name of Student	Group	Number of classes conducted	Date
1.	Ch. Venkateswarlu	MPC	07	21.06.2019 TO 29.06.2019
2.	Ch. Naveen	MPCS		
3.	G. Venkateswarlu			
4.	J . Ganesh			
5.	Sk. Akhila			
6.	Ch. Gnesh			

Topics covered under Bridge course on Mechanics:

1. Newton laws
2. Types of Motions
3. Rigid body
4. Elastic constants
5. Kepler laws
6. Theory of Relativity

Ward counseling:

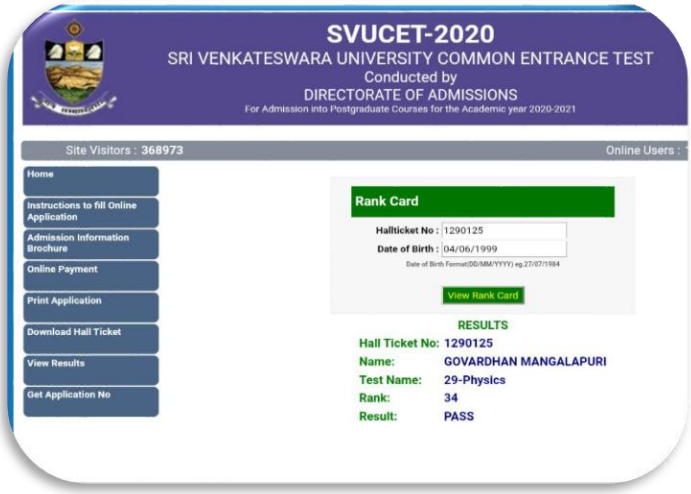
- Counseling not only supports the students to make decisions pertaining to their professional career, but it also makes them confident and mentally prepare them for societal hardships. Teacher support the student to recognize their strengths, sharpen their interests and provides them with career options to explore their dreams.

- The II B.Sc (MPCs) group is allotted to the Department of Physics for Ward counseling for the academic year 2019-2020. Under this programme apart from regular class work, counseling classes are taken on various areas i.e., Personality Development, Carrere counseling, SWOT analysis with which to identify the various factors that may influence the accomplishments of the students. On the basis of theses one can develop effective strategies that would help in achieving their objectives.

5.2 Student Progression

- M. Govardhan, III B.Sc(MPCs) secured 34th rank in Sri Venkateswara University PGCET-2020 , Tirupathi and 20th rank in Vikrama Simhapuri University PG CET-2020 , SPSR Nellore for the admission into PG course in Physics .

- N.Sasi kumar, III B.Sc(MPCs) secured 42nd rank in Vikrama Simhapuri University PG CET-2020 , SPSR Nellore for the admission into PG course in Physics



5.3 Student Participation and Activities

- National Science Day:

The Department of Physics organized the National Science Day on 28.02.2020 on the theme **"Women in Science".** The respected Principal, faculty of all disciplines and the students are participated in the programme. The head of the institution conveyed that every student should have passionate on science and advised to grow well. Faculty of Physics presented an article on Raman Effect and explained the significance of science in our daily life. Related to the theme Women in Science, **the B.Sc. (MPCs) students participated and briefed** of their views about significance and the need of encouraging the women in higher education by manifesting the famous women scientists throughout the world in the field of science



CRITERIAN VI: Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.2 Strategy Development and Deployment

6.3 Faculty Empowerment Strategies

6.4 Financial Management and Resource Management

6.5 Internal Quality Assurance System

6.1 Institutional Vision and Leadership

- The department has its Vision, Mission, objectives and values to accomplish the Institutional Vision:

- Vision of the department:

  - The department wishes to provide the most successful methods to teach proper knowledge of physics with basic principles for theoretical and Practical Physics. Which will in due course benefit the students to excel their practical and scientific skills towards higher levels of education.

- Mission:

  - Provide a standard level of education in the field of physics to the students and promote them towards higher levels of education.
  - Provide students with basic skills in solving problems in scientific and technical area of interest.
  - Promoting scientific research in student's creativity and make them exposure to current technologies.
  - To provide individual attention and enable character building.

- Objectives:
  - Maintain the quality of teaching with highly qualified teachers and modern facilities, to be able to fully develop the community to the best of our ability.
  - Work to develop new specialties, which make to capacity in work areas
  - Support the graduate program for master's and doctoral degrees.

- Values:

As we serve our community, we strive to hold to the following values:

- Striving for excellence in performance-based teaching and research
- Maintaining high levels of professionalism and integrity
- Creating an environment of active learning and effective communication
- Striving for the highest qualities in all aspects of our work

6.2 Strategy Development and Deployment

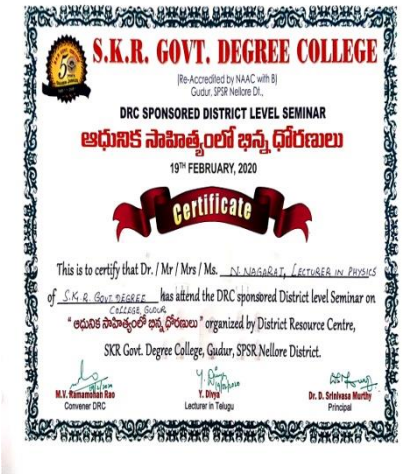
- Contributed in formulation of academic and administrative policies, procedures and strategies as a convener/ member in many institutional committees for the effective functioning of the institution.

S.NO	Institutional Committee	Convener/Member
1.	Student Union	Member
2.	Audio Visual	Convener
3.	Special fee	Convener
4.	Poor Boy's fund	Convener
5.	UGC	Convener
6.	Scholarships	Member
7.	Purchasing	Member
8.	IQAC/Feedback	Member
9.	Eco club	Member
10.	Academic Linkages	Member
11.	Anti ragging &Discipline	Member
12.	Attendance	Member
13.	DRC	Member
14.	Research & Consultancy	Member
15.	RUSA	Member
16.	JKC	Member

6.3 Faculty Empowerment Strategies

- Participated in seminars /workshops / conferences for professional development .

S.NO	Seminar/Conference/Work shop	Topic	Date	Venue
1.	National Conference	Recent Trends in Science, Engineering & Technology.	30th – 31th October2019	Annamacharya Institute of Technology & Sciences (Autonomous) Tirupati.
2.	National Seminar	Emerging Trends in Advances in Multi Functional Materials	10th – 11th December2019	Acharya Nagarjuna University, Department of Physics, Guntur.
3.	DRC Sponsored Seminar	ఆధునిక సాహిత్యంలో భిన్న ధోరణులు	19.02.2020	S.K.R Govt Degree College, Gudur, SPSR Nellore Dist.



6.5 Internal Quality Assurance System

- Participated in IQAC related activities for implementing its initiatives to increase the institutional quality in all aspects
- Participated in academic and administrative auditing related activities in the institution.
- All the activities in the department are documented as per NAAC criteria.

CRITERIAN VII: Institutional Values & Best Practices

7.1 Institutional Values and Social Responsibilities

7.2 Best Practices

7.3 Institutional Distinctiveness

7.1 Institutional Values and Social Responsibilities

The department strives to hold to the following values:

- Striving for excellence in performance-based teaching and research
- Maintaining high levels of professionalism and integrity
- Creating an environment of active learning and effective communication
- Striving for the highest qualities in all aspects of our work

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7.2 Best Practices

- Sri.Somasekhar garu, Rtd. Lecturer in Physics, Nellore donated an amount of Rs.10,000/- to the college and the amount was made in the form of fixed deposit through joint account in the SBI bank. He was asked to give cash prize award with the interest deposited in the bank to the first comer in second year Physics every year.

- The award was given to **N.Sasi kumar, Hall ticket No. 173129004 III B.Sc (MPCs),** secured highest marks in second year physics for the academic year 2019-2020.

7.3 Institutional Distinctiveness

- The department has keen interest to give coaching for PG entrance. The studentsss securing good ranks in PG entrance examinations conducted by various universities every year.

- M. Govardhan, III B.Sc(MPCs) secured 34th rank in Sri Venkateswara University PGCET-2020 , Tirupathi and 20th rank in Vikrama Simhapuri University PG CET-2020 , SPSR Nellore for the admission into PG course in Physics and joined in S.V University campus.

- N. Sasi Kumar, III B.Sc(MPCs) secured 42nd rank in Vikrama Simhapuri University PG CET-2020 , SPSR Nellore, for the admission into PG course in Physics and joined in V.S University campus.