GOVERNMENT DEGREE COLLEGE FOR WOMEN, GAJWEL

DEPARTMENT OF PHYSICS

DEPARTMENTAL PROFILE

CONTENTS:

BRIEF HISTORY OF THE DEPARTMENT:

- The Department of Physics was established in the year 2008.
- B.Sc. course with M.P.C. T/M was started initially.
- Later B.Sc. course with M.P.Cs. E/M and M.P.C. E/M started in 2017.
- Physics lab was started then with a budget of around Rs.10, 000.
- Initially only 14 to 20 students were admitted in Physics course.
- Now the lab is enriched with nearly 3 lakh rupees worth equipment.
- Physics course is in high demand in the area. Now with the permitted intake of 60 each in M.P.C. and M.P.Cs. combinations.

STRENGTH OF THE DEPARTMENT:

- The department has three spacious laboratories equipped with instruments.
- The sincere and dedicated academic staff members have been the pillars of the department, who have played key roles in the overall development of the College in general and department in particular. They have been continuously guiding students in achieving academic excellence and improvement in their overall personality.
- The department has dedicated and qualified lecturers who are committed to render relentless service to the students in grooming their bright career ahead.
- Department feel privileged to proclaim that, because of its perpetual efforts and inspiring talks, many of our college students have opted Physics at their PG level education.
- Giving coaching to our students for M.Sc. Physics entrance examinations.

VISION OF THE DEPARTMENT:

The primary aim of the department is to provide high quality learning environment in physics, preparing bright undergraduates who will push frontiers of knowledge in physics and its related disciplines through scholarly activities.

MISSION OF THE DEPARTMENT:

The mission of the department is to inspire, prepare, and empower students to succeed in the ever changing world.

Objectives:

- To improve lab facilities.
- Introduction of PG course.
- Establishing departmental level Career guidance cell.
- To motivate its faculty for Minor Research Projects (MRPs).
- Planning for a special coaching to our students for M.Sc. Physics entrance examinations of prestigious universities like the IITs, Central Universities etc. and other employment examinations, wherein physics as its core subject to test.

Best practices:

To improve the confidence and remove the fear of examinations, the department has initiated the concept called “Peer Evaluation Test”. In this practice, students weekly write the answer for one important question in the book. And those answers are evaluated by their peer group. This improves their writing skills and also peer communication.

Best Practice:

Title of the practice:

PEER EVALUATION TEST

Objectives:

- To improve students writing skills
- To create awareness on evaluation process
- To improve learning skills
- To impart knowledge to the students

The context:

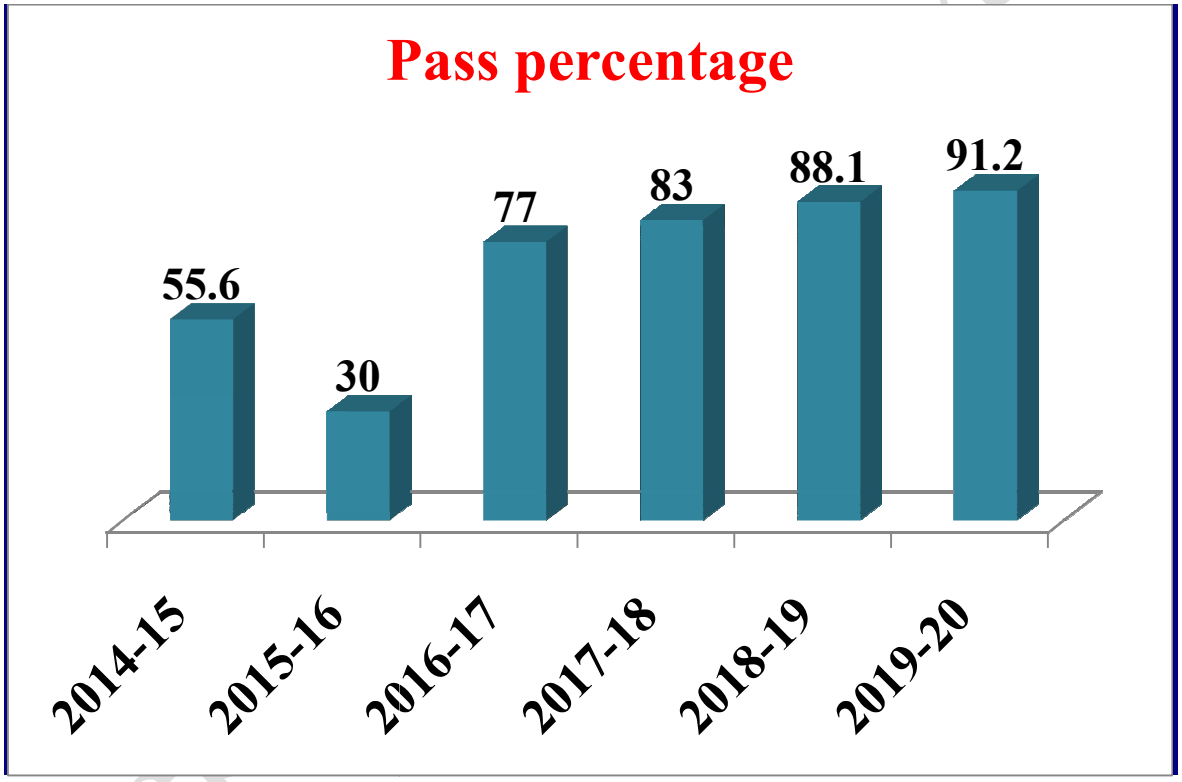
Students feel difficult in learning tough topics and get confused in solving derivations. They do mistakes during examinations. To make them perfect we initiated this practice.

The Practice:

In this practice students have been given question bank for each paper. Every week they write answers for one long question or two short questions for 10 marks in 20 minutes. In this process, that particular topic will be revised, recollected and written by students. Immediately after finishing test, students internally correct their answers by following the concept peer evaluation. In this concept of peer evaluation, they exchange their books, correct the answers and allot marks. So they get an idea on the evaluation process and distribution of marks to every division in the answer. It also improves their time managing skills.

Problems encountered:

Some of the students may get confused while giving marks and in the division of marks. That will be resolved by the concerned lecturer.


Pass percentage
55.6
30
77
83
88.1
91.2
2014-15
2015-16
2016-17
2017-18
2018-19
2019-20

Details of the successive teaching faculty:

Sl.No.	Name of the faculty	Qualifications	Period
1.	Smt.M.Bhavani	M.Sc.,(Ph.D.)	2009-2012
2.	Amtul Kubra	M.Sc.	2013-2016
3.	T.Srinivas	M.Sc.	2017-2019
4.	Smt.D.Sumalatha	M.Sc., B.Ed.	2018 to till date
5	Smt. P.Sowjanya	M.Sc., CSIR-NET, (Ph.D.)	2019 to till date

Details of the present teaching staff:

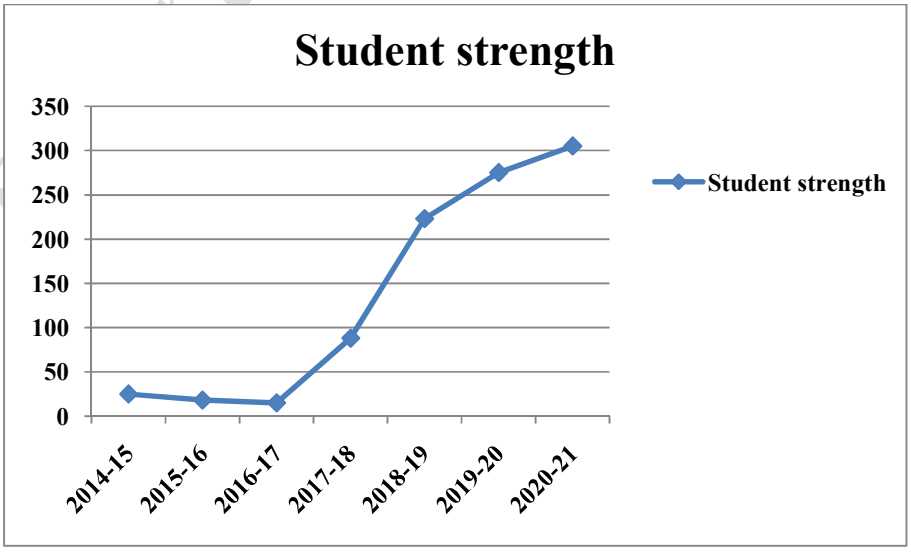
Sl. No.	Name of the Faculty	Designation	Qualification	Experience
1	Smt.P.Sowjanya	Assistant Professor	M.Sc., CSIR-NET, (Ph.D).	10 years
2	Smt.D.Sumalatha	Contract lecturer	M.Sc., B.Ed.	12 years

Details of courses offered with physics:

Sl. No.	Course Combination	Medium	Permitted Strength
1	B.Sc. (Maths, Physics, Chemistry)	English	60
2	B.Sc. (Maths, Physics, Computer Science)	English	60

Details of student strength:

Sl.No.	Academic year	Students strength			Total
		I year	II year	III year	
1	2014-15	3	11	11	25
2	2015-16	5	2	11	18
3	2016-17	9	4	2	15
4	2017-18	80	6	2	88
5	2018-19	141	76	6	223
6	2019-20	85	123	67	275
7	2020-21	117	76	112	305



B.Sc. PHYSICS SYLLABUS UNDER CBCS SCHEME
SCHEME OF INSTRUCTION (w.e.f. 2016)

SEMESTER	PAPER(THEORY AND PRACTICAL)	INSTRUCTIONS Hrs/week	MARKS	CREDITS
I -SEM	Paper-I: Mechanics	4	100	4
	Practicals-I: Mechanics	3	50	1
II -SEM	Paper-II:- Waves and Oscillations	4	100	4
	Practicals-II: Waves and Oscillations	3	50	1
III -SEM	Paper-III: Thermodynamics	4	100	4
	Practicals-III: Thermodynamics	3	50	1
IV –SEM	Paper-IV: Optics	4	100	4
	Practicals-IV: Optics	3	50	1
V –SEM	Paper-V: Electromagnetism	3	100	3
	Practicals-V: Electromagnetism	3	50	1
	Paper-VI: Elective – I Solid state physics/ Quantum Mechanics and Applications	3	100	3
	Practicals-VI: Elective – I Solid state physics/ Quantum Mechanics and Applications	3	50	1
VI -SEM	Paper-VII: Modern Physics	3	100	3
	Practicals-VII: Modern Physics Lab	3	50	1
	Paper-VIII: Elective – II Basic Electronics/ Physics of Semiconductor Devices	3	100	3
	Practicals-VIII: Elective-II Basic Electronics/ Physics of Semiconductor Devices	3	50	1

B.Sc. PHYSICS SYLLABUS UNDER CBCS SCHEME
SCHEME OF INSTRUCTION (w.e.f. 2019)

SEMESTER	PAPER(THEORY AND PRACTICAL)	INSTRUCTIONS Hrs/week	MARKS	CREDITS
I -SEM	Paper-I: Mechanics & Oscillations	4	100	4
	Practicals-I: Mechanics & Oscillations	3	50	1
II -SEM	Paper-II:- Thermal Physics	4	100	4
	Practicals-II: Thermal Physics	3	50	1
III -SEM	Paper-III: Electromagnetic Theory	4	100	4
	Practicals-III: Electromagnetic Theory	3	50	1
IV –SEM	Paper-IV: Waves & Optics	4	100	4
	Practicals-IV: Waves & Optics	3	50	1
V –SEM	Paper-V: A. Modern Physics B. Computational Physics	4	100	4
	Practicals-V: A. Modern Physics B. Computational Physics	3	50	1
VI –SEM	Paper-VI: A. Electronics B. Applied Optics	4	100	4
	Practicals-VI: A. Electronics B. Applied Optics	3	50	1

Skill Enhancement Courses

1. Experimental methods and Errors analysis
2. Electrical circuits and Networking
3. Basic Instrumentation
4. Biomedical Instrumentation
5. Digital Electronics

General Elective:

1. Renewable Energy &Energy Harvesting

Project work/Optional (Nano science)

B.Sc. PHYSICS PROGRAM SPECIFIC OUTCOMES:

- To understand the basic laws and explore the fundamental concepts of physics.
- To understand the concepts and significance of the various physical phenomenon.
- To carry out experiments to understand the laws and concepts of Physics.
- To apply the theories learnt and the skills acquired to solve real time problems.
- To acquire a wide range of problem solving skills, both analytical and technical and to apply them.
- To enhance the student's academic abilities, personal qualities and transferable skills this will give them an opportunity to develop as responsible citizens.
- To produce graduates who excel with the competencies and values required for leadership to serve a rapidly evolving global community.
- To motivate the students to pursue PG courses in reputed institutions.
- This program introduces students to the methods of experimental physics. Emphasis will be given on laboratory techniques specially the importance of accuracy of measurements.
- Providing hands-on learning experience such as in measuring the basic concepts in properties of matter, heat, optics, electricity and electrostatics.

Department of Physics is enriched with sufficient lab equipment as mentioned below.

- ✓ Diffraction Grating
- ✓ Heating efficiency of a Electric Kettle experiment – setup
- ✓ Sonometer teak wood with 2 bridge and 3 wires
- ✓ Energy gap of a semiconductor with two meters
- ✓ Polarimeter
- ✓ Stefan's constant
- ✓ Half-Full Adder
- ✓ Newton Ring Apparatus
- ✓ P-N Junction diode characteristics
- ✓ Zener diode characteristics
- ✓ Transistor Characteristics
- ✓ Thermistor characteristics
- ✓ Fly wheel
- ✓ Travelling microscopes
- ✓ Digital logic trainer kit
- ✓ Pulfrich refractometer
- ✓ Bar pendulum and simple pendulums
- ✓ Thermister Boards
- ✓ Boy's Method arrangement
- ✓ Lee's experiment – set up
- ✓ Newton laws of cooling – set up

In addition to all these equipments, we have consumable items such as patch cards, prisms, aspiratory bottles, stop-clocks, meter scales, rubber corks, mercury, copper and brass wires, reading lenses, thermometers, watch glasses, capillary tubes, cubes, droppers, sodium and mercury lamps etc..

Other Departmental core organs:

- Departmental Library
- Coaching for M.Sc. Physics entrance
- Career Guidance

Departmental association activities:

The department of Physics organizes a wide range of activities throughout the year.

- **Field trips**
- **Subject Quiz Competitions**
- **Project works**
- **Arrangement of Extension and guest Lectures**
- **Science day**

Student Centric Activities:

These are the student centric activities, which make them to be more passionate in the field of Physics.

- **Student seminars**
- **Conducting slip-tests**
- **Giving Assignments**
- **Group Discussions**
- **Remedial Classes**

Student Seminars:



















Extension lectures:

An extension lecture is provided for first year students on the topic “Simple Harmonic Motion” by Sri B.Narsimha, Lecturer in Physics, GDC, Gajwel on 07/02/2019.

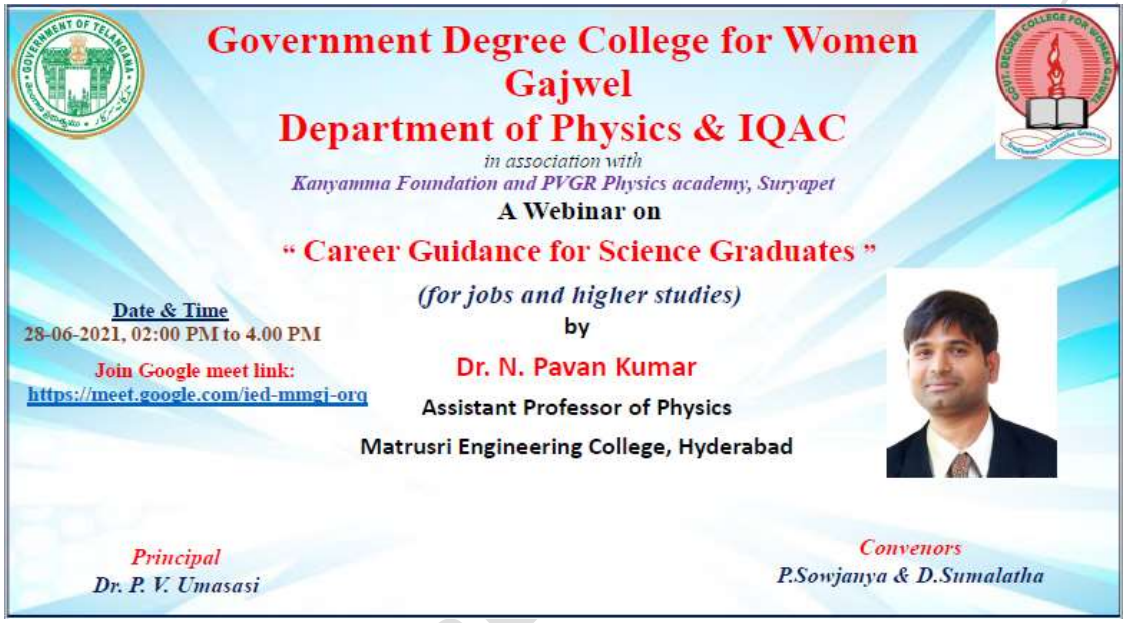


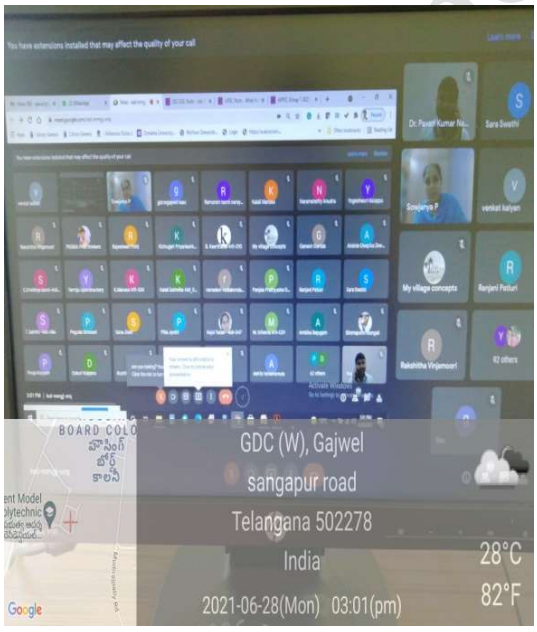

An extension lecture is provided for final year students on the topic "Superconductivity- its applications" by Dr.N.Pavan Kumar, Young Scientist Fellow, DMRL, Hyderabad on 20/09/2019.

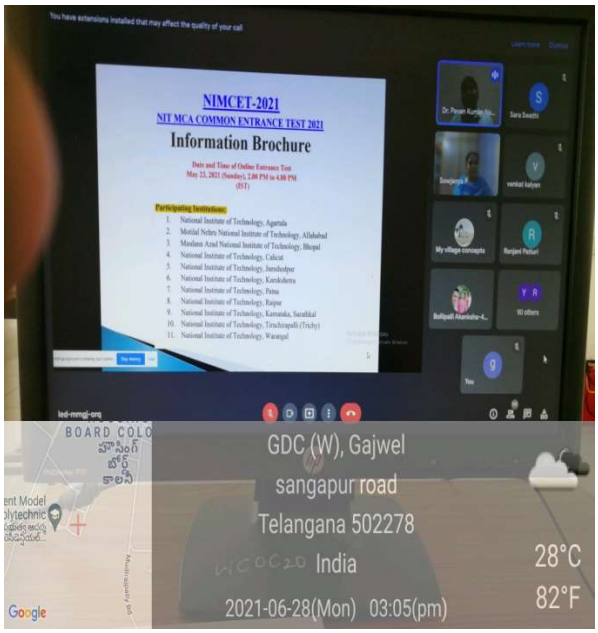
An extension lecture is arranged for second year students on the topic "Magneto statics" by Smt.M.Bhavani, Assistant Professor of Physics, GDC, Gajwel on 24/02/2021.

Extension lecture on Career guidance:

Conducted one day webinar for final year students on the topic “Career Guidance for Science Graduates” (for jobs and higher studies) by Dr.N.Pavan Kumar, Assistant Professor of Physics, Matrusri Engineering College, Hyderabad on 28/07/2021.







Science Expo:

Science day was celebrated on 26/02/2019 by all Science departments. Total 16 working models and 20 posters were exhibited from department of Physics.


నమస్తే తెలంగాణ 27/2/2019
ఆవిష్కరణల్లో బాలికలు ముందుండాలి

National Science Day Celebrations on 27/02/2021. Total 15 working models and posters were exhibited from department of Physics out of 65 from all other science departments.


నవతెలంగాణ

ప్రభుత్వ డిగ్రీ కళాశాలలో నేషనల్ సైన్స్ డే

ప్రజ్ఞాపూర్:గజ్వేల్ మహిళ ప్రభుత్వ డిగ్రీ కళాశాలలో నేషనల్ సైన్స్ డే సందర్భంగా శనివారం సైన్స్ ఎక్స్‌పోను నిర్వహించారు.ఈ కార్యక్రమంలో సైన్స్ అధ్యాపకుల మార్గదర్శకత్వంలో పలు సైన్స్ విద్యార్థినులు విజ్ఞాన శాస్త్రం సంబంధిత పోస్టర్లను, ప్రయోగాలను, నమూనాలను ప్రదర్శించారు. ఇందులో మొత్తం 65 రకాల ప్రదర్శలు భౌతిక శాస్త్రం, రసాయన శాస్త్రం, జంతుశాస్త్రం, వృక్ష శాస్త్రం, మైక్రోబయాలజీ, బయోటెక్నాలజీ విభాగాల్లో ప్రదర్శించారు. ఈ కార్యక్రమాన్ని ప్రిన్సిపాల్ పి.వి ఉమాశశి ప్రారంభించి అన్ని ప్రదర్శనను పరిశీలించి విద్యార్థులను అభినందించారు.ఈ కార్యక్రమంలో కళాశాల అధ్యాపకులు, విద్యార్థులు తదితరులున్నారు.

మన ఆచారాల్లో సైన్స్ దాగి ఉంది

గజ్వేల్ అర్బన్ : బాలికల ఎడ్యుకేషన్ హబ్‌లోని మహిళా డిగ్రీ కళాశాలలో సైన్స్ ఎగ్జిబిషన్

సిద్దిపేట టౌన్, ఫిబ్రవరి 27 : మన ఆచారాల వెనుక సైన్స్ దాగి ఉందని కాకతీయ విశ్వవిద్యాలయం రిటైర్డ్ రిజిస్ట్రార్ ప్రొఫెసర్ ఎస్. రాంరెడ్డి అన్నారు. సిద్దిపేట ప్రభుత్వ డిగ్రీ కళాశాలలో శనివారం జాతీయ సైన్స్ దినోత్సవం నిర్వహించారు. ఈ సందర్భంగా ఆయన మాట్లాడుతూ సైన్స్ అండ్ టెక్నాలజీని వినియోగించుకున్న అనేక దేశాలు అభివృద్ధి చెందాయన్నారు. భారతీయ స్త్రీలు వాడే గోరింటాకు కాళ్లకు రాసుకునే పసుపు.. ఇతర ఆచారాల వెనుక సైన్స్ ఉంద న్నారు. సైన్స్‌కు ప్రాచుర్యం కల్పించే కార్యక్రమాలకు పూర్తిగా సహకరిస్తామని శాస్త్రవేత్త పురుషోత్తం అన్నారు. కార్యక్రమంలో వక్త శ్రీనివాసులు, ప్రిన్సిపాల్ ప్రసాద్, వైస్ ప్రిన్సిపాల్ హుస్సేన్, అధ్యాపకులు అయోధ్యరెడ్డి, పల్లవి, మధుసూదన్, గోపాలసుదర్శనం ఉన్నారు.

ఉమెన్స్ డిగ్రీ కళాశాలలో సైన్స్‌డే

గజ్వేల్ అర్బన్, ఫిబ్రవరి 27 : బాలికల ఎడ్యుకేషన్ హబ్‌లోని మహిళా డిగ్రీ కళాశాలలో జాతీయ సైన్స్ దినోత్సవాన్ని నిర్వహించారు. కార్యక్రమంలో భాగంగా విద్యార్థులు అధ్యాపకుల మార్గదర్శకత్వంలో విజ్ఞాన శాస్త్ర సంబంధిత పోస్టర్లను, ప్రయోగాలను, నమూనాలను ప్రదర్శించారు. భౌతిక, రసాయన, జంతుశాస్త్రం, వృక్ష శాస్త్రం, మైక్రోబయాలజీ, బయో టెక్నాలజీ విభాగాల్లో విద్యార్థులు తమ ప్రయోగాలను ప్రదర్శించారు. విద్యార్థుల ప్రయోగాలు, నమూనాలను ప్రిన్సిపాల్ ఉమాశశి, లెక్చరర్లు పరిశీలించారు.

Field visit:

Department of Physics organised a *field trip* to NGRI (National Geophysical Research Institute), Hyderabad to BSC(MPC&MPCs) students on the open day i.e., 26-09-2019 which being the foundation day of CSIR. Also visited Department of Physics, Osmania University.

Jignasa Student Study project:




A study on "Skills of reduced short circuit" carried out by B.Mamatha, G.Sharanya, M.Prasanna, P.Sindhuja, P.Sudha and Sana under the guidance of Smt.D.Sumalatha, Lecturer in Physics and Sri.T.Srinivas, Lecturer in Physics, Government Degree College(W), Gajwel. This project is selected for state level competition.

Competetions for Students:

Conducted Quiz on “Mechanics” on 01/10/18. Total 03 groups participated with 05 members in each group.


On the occasion of National Energy Conservation Day, the department has conducted the painting competition on the theme “Conservation of different energy sources” on 16/12/2019.



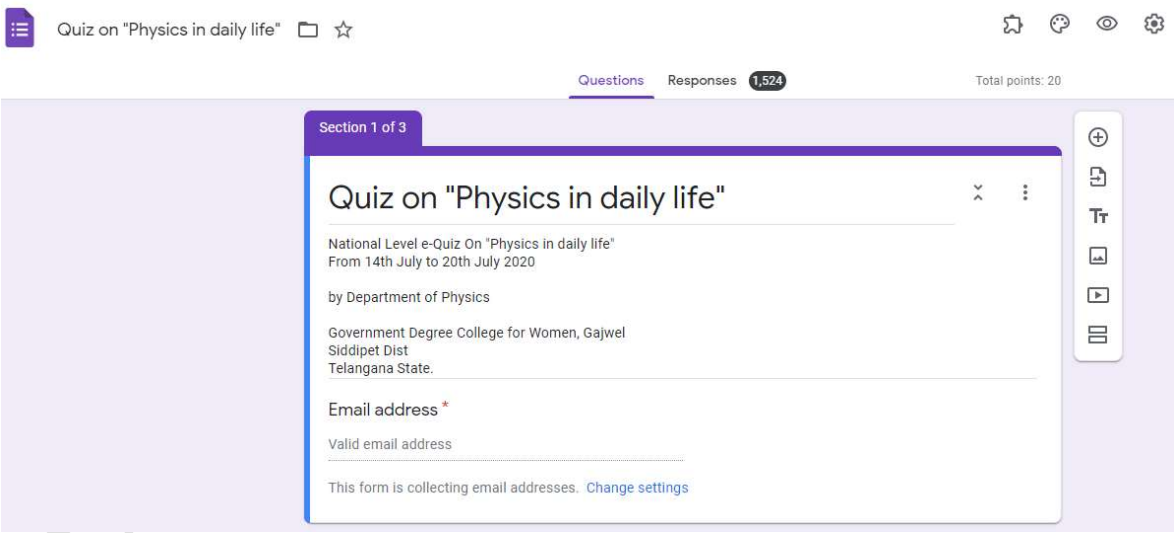

National level e-Quiz on “Physics in daily life” is conducted from 14th July to 20th July 2020. Total 1524 participants from 20 states of India have attempted this quiz. Total 20 MCQs are given with 1 mark each. The participants who got 50% and above were issued online certificate of appreciation through their mails. Feedback is also collected from participants.

Quiz link: https://forms.gle/LAVHvy9dkkwJKShS8

Participant’s link:

https://docs.google.com/spreadsheets/d/1c0rFfaJGzooHnn37NHOzPBOh8lkYgst2GGxFS6e1mlg/edit?usp=sharing

Feedback link:
https://docs.google.com/spreadsheets/d/1stmo7fhRB5sHKNM2prDbkIHp3iv6blF9-knotd1Gg5Q/edit?usp=sharing



Quiz on "Physics in daily life"

* Required

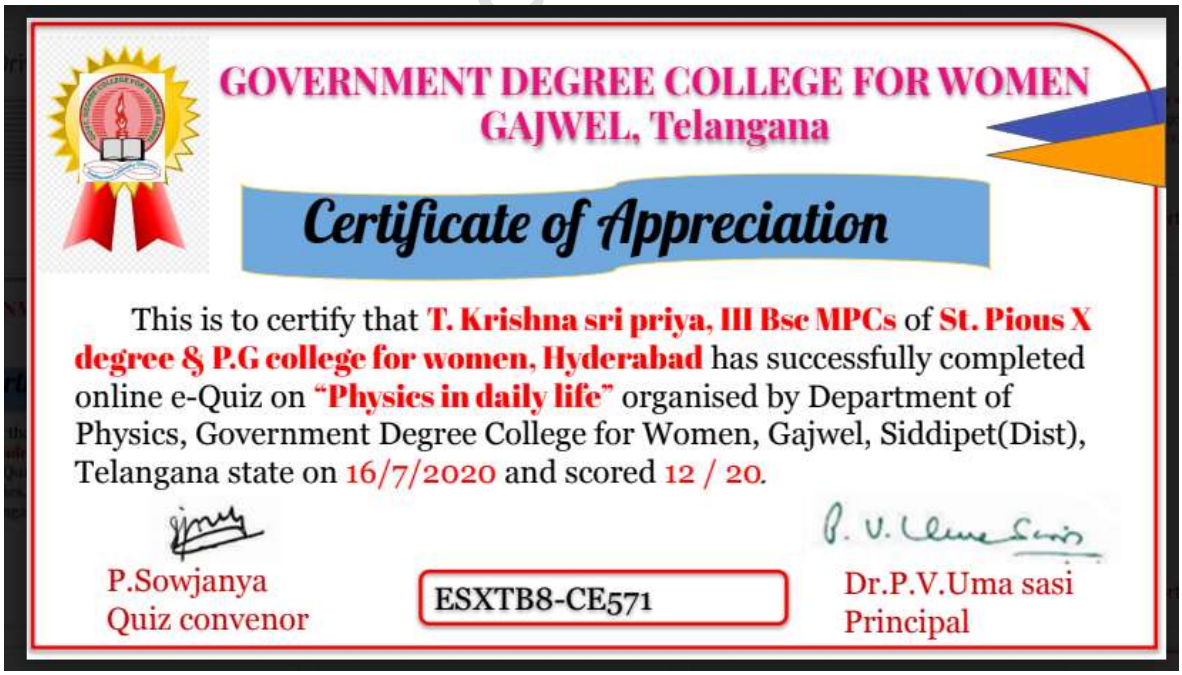
Multiple choice questions

Each question carries one mark

Examples of Newton's law of motion * 1 point

- ◯ Walking on the ground
- ◯ Playing hockey
- ◯ Driving a car
- ◯ All of the above
- ◯ 1 & 3

The concept involved in the ball point pen is * 1 point



GOVERNMENT DEGREE COLLEGE FOR WOMEN
GAJWEL, Telangana

Certificate of Appreciation

This is to certify that **T. Krishna sri priya, III Bsc MPCs** of **St. Pious X degree & P.G college for women, Hyderabad** has successfully completed online e-Quiz on **"Physics in daily life"** organised by Department of Physics, Government Degree College for Women, Gajwel, Siddipet(Dist), Telangana state on 16/7/2020 and scored 12 / 20.

P.Sowjanya
Quiz convenor

ESXTB8-CE571

Dr.P.V.Uma sasi
Principal

Quiz on "Physics in daily life"

National Level e-Quiz On "Physics in daily life"
From 14th July to 20th July 2020

by Department of Physics

Government Degree College for Women, Gajwel
Siddipet Dist
Telangana State.

* Required

Email address *

Your email

Name of the participant *

Will be printed on the certificate

Your answer

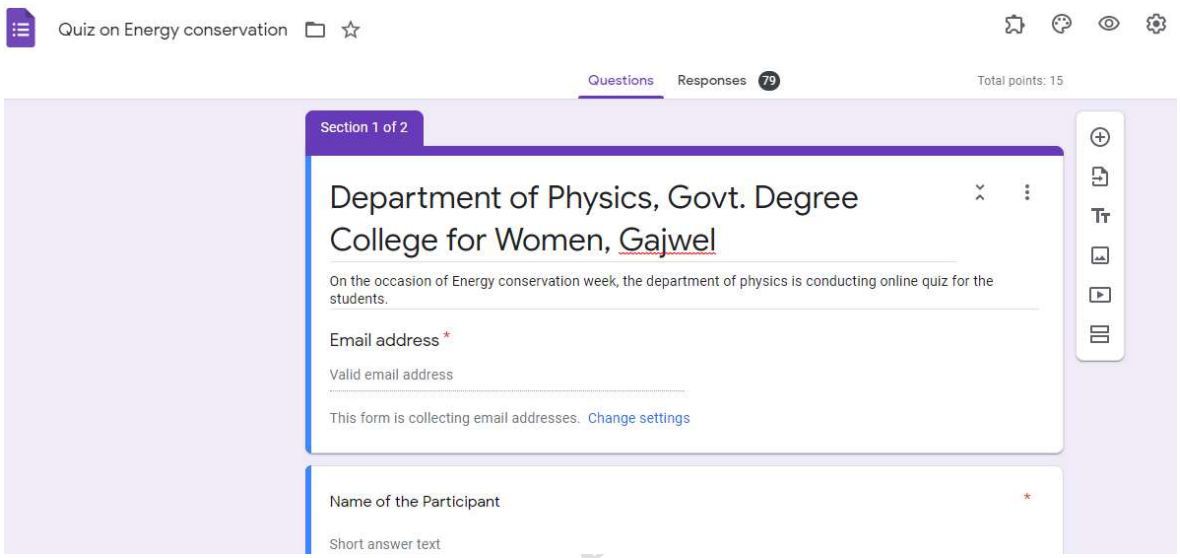
Designation *

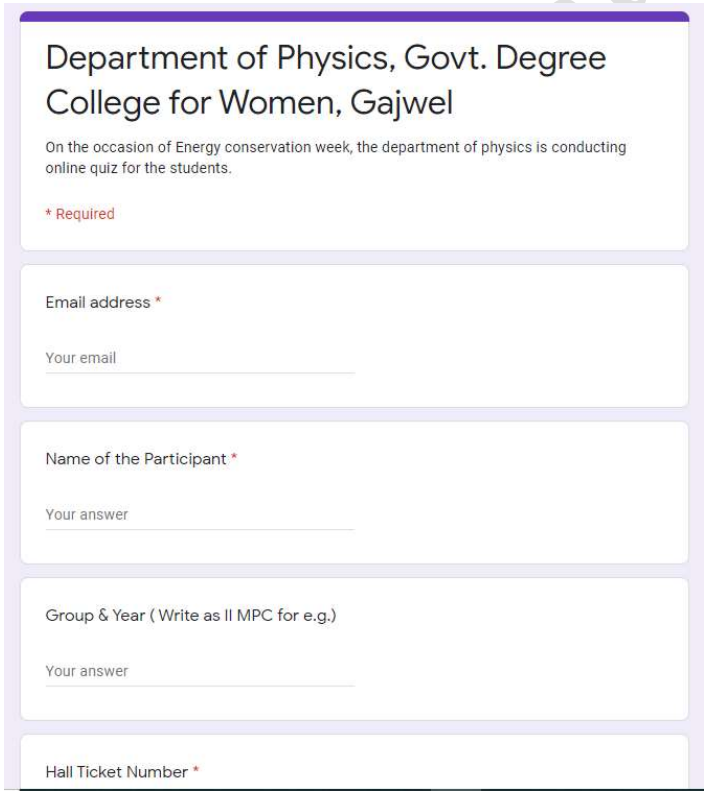
For e.g. Faculty write as "Assistant Professor of Physics" and students write group name as "III BSc MPC"

Your answer

E-Quiz on “Energy Conservation” is conducted on 16/12/2020 for students on the occasion of energy conservation week. Total 79 participants have attempted this quiz. Total 15 MCQs are given with 1 mark each.

Quiz link: https://forms.gle/2qH3EEhXpkVSb54R7





Participation in college level activities:

Bathukamma celebrations

మహిళా డిగ్రీ కళాశాలలో బతుకమ్మ సంబరాలు

బతుకమ్మ ఆడుతున్న విద్యార్థినీలు, అధ్యాపకులు

గజ్వేల్, అక్టోబర్ 8 (ప్రభ న్యూస్): గజ్వేల్ పట్టణంలోని ప్రభుత్వ మహిళా డిగ్రీ కళాశాలలో శుక్రవారం మహిళా సాధికారిక విభాగం ఆధ్వర్యంలో ఘనంగా నిర్వహించారు. ఈ సందర్భంగా అధ్యాపకులు, విద్యార్థినిలు ఆటపాటలతో బతుకమ్మ వేడుకలను జరుపుకున్నారు. కళాశాల ప్రిన్సిపాల్ ఉమాశశి మాట్లాడుతూ తెలంగాణ సంస్కృతిని ప్రతిబింబించే అతి ముఖ్యమైన పండుగ బతుకమ్మ అని ఆమె పేర్కొన్నారు.

మహిళా డిగ్రీ కళాశాలలో బతుకమ్మ పండుగ సంబరాలు

యూసుఫ్ గజ్వేల్

41 mins ago

54 వీక్షించారు

తెలంగాణ సాంప్రదాయ కళలను విద్యార్థి దశ నుండే అలవర్చుకోవాలని సిద్దిపేట జిల్లా గజ్వేల్ ప్రభుత్వ మహిళా డిగ్రీ కళాశాల ప్రిన్సిపాల్ ఉమా శశి తెలిపారు. గజ్వేల్ ప్రభుత్వ మహిళా డిగ్రీ కళాశాలలో బతుకమ్మ సంబరాలను ఘనంగా నిర్వహించారు. ప్రిన్సిపాల్ ఉమా శశి మాట్లాడుతూ.. పువ్వులను ప్రకృతిని కొలిచే ఆరాధ్యదైవంగా బతుకమ్మ పండుగను తెలంగాణ ఆడపడుచులు ఘనంగా జరుపుకుంటారని, వారం రోజుల పాటు తీరొక్క పూలతో బతుకమ్మలను తయారుచేసి రకరకాల పాటలతో బొడ్డెమ్మలను ఆరాధిస్తూ తమ మాంగల్యబలంని చల్లగా చూడాలని తమ కుటుంబంలో ఆనందాలని, ఉత్సాహాలని నింపాలని మాత్రమే కాక అనుబంధాలను పెంచే విధంగా ఈ పండుగను మహిళలు ఘనంగా నిర్వహిస్తున్నామని అన్నారు.

Rally on “Telanganaku haritha haaram”

Awareness program on “Right to Vote”

ప్రభుత్వ మహిళా డిగ్రీ కళాశాలలో ఓటరు చైతన్య కార్యక్రమం

గజ్వేల్, మార్చి 16 (ప్రభ న్యూస్) : గజ్వేల్ ప్రభుత్వ మహిళా డిగ్రీ కళాశాలలో శనివారం ఓటరు చైతన్య కార్యక్రమాన్ని నిర్వహించారు. ఈ కార్యక్రమానికి జిల్లా ఉపాధి అధికారి ప్రశాంతి హాజరై ఓటరు ప్రక్రియపై విద్యార్థులకు అవగాహన కల్పించారు. ఓటు అంటే ఏమిటి, ఓటరు జాబితాలో పేరు ఉందో లేదో తెలుసుకోవడం ఎలా, ఓటరు ఫోటో గుర్తింపుకార్డు, ఓటరు స్లిప్పులు, దివ్యాంగులైన వారికి సౌకర్యాలు, పోలింగ్‌కేంద్రానికి వచ్చేముందు ఓటరు తెలుసుకోవాల్సిన అంశాలు, ఓటింగ్ యంత్రాల గురించి, ఓటింగ్ ప్రక్రియ గురించి, ఓటర్లు చేయాల్సిన ఫిర్యాదులు, ఎవరికిఫిర్యాదుచేయాలని, వాటి పరిష్కార మార్గాలు, 1950 టోల్‌ఫ్రీ కాల్‌సెంటర్, సీవిజల్ ఆప్ తదితర వాటిపై సమగ్రంగా సమాచారం అందించారు. నోటుకు ఓటు అమ్ముకోవద్దని, దేశ భవిష్యత్తును మార్చే శక్తి ఓటుకు ఉందని పేర్కొన్నారు. అనంతరం మహిళా డిగ్రీ కళాశాల ప్రిన్సిపాల్ ఉమాశశి మాట్లాడుతూ ప్రజాస్వామ్యంలో మంచినాయకున్ని ఎన్నుకునేందుకు ఓటుహక్కు ఆయుధమని, ప్రతి ఒక్కరు ఓటుహక్కును వినియోగించుకొని ప్రజాస్వామ్యాన్ని పరిపుష్టం చేయాలని, ఓటు విలువను తెలిపారు. ఈ కార్యక్రమంలో కళాశాల సిబ్బంది, విద్యార్థులు పాల్గొన్నారు.

మాట్లాడుతున్న ప్రశాంతి

Sun, 17 March 2019
https://epaper.prabhanews.com/c/37667260

ఓటు హక్కును సద్వినియోగం చేసుకోవాలి

ఓటు హక్కుపై విద్యార్థినులకు అవగాహన కల్పిస్తున్న దృశ్యం

గజ్వేల్‌రూరల్:

దేశ భవిష్యత్‌ను మార్చే శక్తి ఓటుకే ఉందని.. ఓటు హక్కును సద్వినియోగం చేసుకొని సరైన నాయకుడిని ఎన్నుకోవాలని జిల్లా ఉపాధి అధికారి ప్రశాంతి విద్యార్థినులకు సూచించారు. పట్టణంలోని బాలికల హాబ్‌లోగల ప్రభుత్వ మహిళా డిగ్రీ కళాశాలలో శనివారం ఓటరు చైతన్యంపై విద్యార్థినులకు అవగాహన కల్పించారు. ఈ సందర్భంగా ఏర్పాటు చేసిన కార్యక్రమంలో ఆమె మాట్లాడారు. ఓటరు జాబితాలో పేరు ఉందా అని ఎలా తెలుసుకోవాలి ,ఓటరు ఫొటో గుర్తింపు కార్డు, ఓటరు స్లిప్పులు, దివ్యాంగులకు సౌకర్యాలు, పోలింగ్ కేంద్రానికి వచ్చే ముందు ఓటర్లు తెలుసుకోవాల్సిన అంశాలు తదితర అంశాలపై వివరించారు. ఆదే విధంగా ఓటర్లు ఎవరికి ఫిర్యాదు చేయాలి, వాటి పరిష్కార మార్గాలు, 1950 టోల్‌ఫ్రీ కాల్‌సెంటర్, సీ-విజిల్ యాప్ వంటి వాటిపై అవగాహన కల్పించారు. ఓటర్లు నోటుకు ఓటును అమ్ముకోవద్దని కోరారు. కళాశాల ప్రిన్సిపాల్ డాక్టర్ పీవీ ఉమాశశి మాట్లాడుతూ.. ఓటు హక్కు వజ్రాయుధం లాంటిదని, ప్రతి ఒక్కరూ ఓటు హక్కును వినియోగించుకోవాలని తెలిపారు. కార్యక్రమంలో కళాశాల సిబ్బంది, విద్యార్థినులు పాల్గొన్నారు.

An awareness program is conducted to students by Dr.Triveni on the topic “Health, Hygiene and Nutrition”

On the occasion of International Women's Day, an awareness program 09/03/2021 is conducted to staff on "How to use Pickers to conduct Quiz easily for students". Also sample quiz was conducted to the women staff members. All women faculty were actively participated in games conducted by the Women Empowerment Cell Convenor Smt.P.Sowjanya, Asst.Prof. of Physics.

Rangoli competition on the occasion of Sankranthi festival.

In association with Lion's club, Gajwel "Health camp" was conducted on 18/11/2021. Blood samples of students were collected to get CBP and their health profile.


Medak, Telangana, India
Unnamed Road, Telangana 502278, India
Lat 17.833894°
Long 78.678172°
18/11/21 11:37 AM
Google


Herbal Park
GDC Women, Gajwel
Women's educational hub
Telangana 502278
India
2021-11-18(Thu) 11:50(am)
25°C
77°F
Google


Herbal Park
GDC Women, Gajwel
Women's educational hub
Telangana 502278
India
2021-11-18(Thu) 11:52(am)
25°C
77°F
Google

A seminar is arranged for science students on the topic “Women in Science” on the occasion of Madam Curie birthday in association with Vignana Darshini and Jana Vignana Vedika on 23/11/2021.

నేటి తరం అమ్మాయిలు వివక్షను ఎదుర్కోవాలి

గజ్వేల్, నవంబరు 23: సమాజంలోని వివక్షను నేటి తరం అమ్మాయిలు ధైర్యంగా ఎదుర్కోవాలని విజ్ఞానదర్శిని వ్యవస్థాపకుడు టి.రమేశ్ అన్నారు. గజ్వేల్ పట్టణంలోని ప్రభుత్వ మహిళా డిగ్రీ కళాశాలలో సైన్స్ రంగంలో మహిళల పాత్ర అంశంపై మంగళవారం విజ్ఞానదర్శిని ఆధ్వర్యంలో నిర్వహించిన రాష్ట్రీయ సదస్సులో ఆయన మాట్లాడారు. నేటి మహిళలు అన్ని రంగాల్లో రాణిస్తున్నారని, సైన్స్ రంగంలో మహిళలు ఇంకా ముందుకు వెళ్లాలన్నారు. చేతబడి, బాణామతి లాంటి శక్తులున్నాయని నమ్మబలుకుతున్న వ్యక్తులు చేసే మాయాజాలాన్ని విద్యార్థుల ముందు చేసి చూపించారు. కార్యక్రమంలో ప్రిన్సిపాల్ ఉమాశశి, విజ్ఞాన దర్శిని సభ్యులు శోభారాణి, సౌభాగ్య, లావణ్య పాల్గొన్నారు.

'సైన్స్'లో మహిళలు ముందుకు సాగాలి

మాట్లాడుతున్న రమేశ్

గజ్వేల్‌రూరల్: మహిళలు సైన్స్ రంగంలో మరింత ముందుకు సాగాలని విజ్ఞాన దర్శిని వ్యవస్థాపకులు, జన విజ్ఞాన వేదిక సభ్యులు రమేశ్ ఆకాంక్షించారు. గజ్వేల్ పట్టణంలోని బాలికల ఎడ్యుకేషన్ హబ్‌లోని ప్రభుత్వ మహిళా డిగ్రీ కళాశాలలో మంగళవారం విజ్ఞాన దర్శిని ఆధ్వర్యంలో నిర్వహించిన రాష్ట్రీయ సదస్సుకు రమేశ్‌తో పాటు జన విజ్ఞాన వేదిక సభ్యులు శోభారాణి, సౌభాగ్య, లావణ్య హాజరయ్యారు. వారు మాట్లాడుతూ నేటి సమాజంలో మహిళలు అన్ని రంగాల్లో తమవంతు పాత్రను పోషిస్తున్నారని, మహిళలు లేని రంగమంటూ లేదన్నారు. మహిళల పట్ల జరుగుతున్న వివక్షతను నేటి యువత ధైర్యంగా ఎదుర్కోవాలన్నారు. ఈ సందర్భంగా మూడనమ్మకాలకు సంబంధించి ప్రయోగాత్మకంగా వివరించి ప్రతి పనిని సైంటిఫిక్ దృష్టితో చూడాలని సూచనలు చేశారు. కార్యక్రమంలో కళాశాల ప్రిన్సిపల్ డాక్టర్ పీవీ ఉమాశ్రీ, అధ్యాపక బృందం, విద్యార్థినులు పాల్గొన్నారు.

■ గజ్వేల్ రూరల్, నవంబర్ 23: మహిళలు శాస్త్ర సాంకేతిక రంగాల్లో రాణించాలని, అప్పుడే సముచిత స్థానం లభిస్తుందని జన విజ్ఞన వేదిక సభ్యుడు రమేశ్ అన్నారు. మంగళవారం ప్రభుత్వ మహిళా డిగ్రీ కళాశాలలో విజ్ఞానదర్శినిలో భాగంగా సైన్స్‌రంగంలో మహిళ పాత్ర అనే అంశంపై సదస్సు నిర్వహించారు. ఈ సందర్భంగా రమేశ్ మాట్లాడుతూ.. మహిళలు సైన్స్‌లో ప్రతిభ చాటాలన్నారు. విద్యార్థులు చేసే ప్రతి పనిని సైంటిఫిక్ దృష్టితో చూడాలని సూచించారు. కార్యక్రమంలో ప్రిన్సిపాల్ ఉమశశి, సభ్యులు శోభారాణి, సౌభాగ్య, లావణ్య తదితరులు పాల్గొన్నారు.

TIME TABLE – DEPARTMENT OF PHYSICS

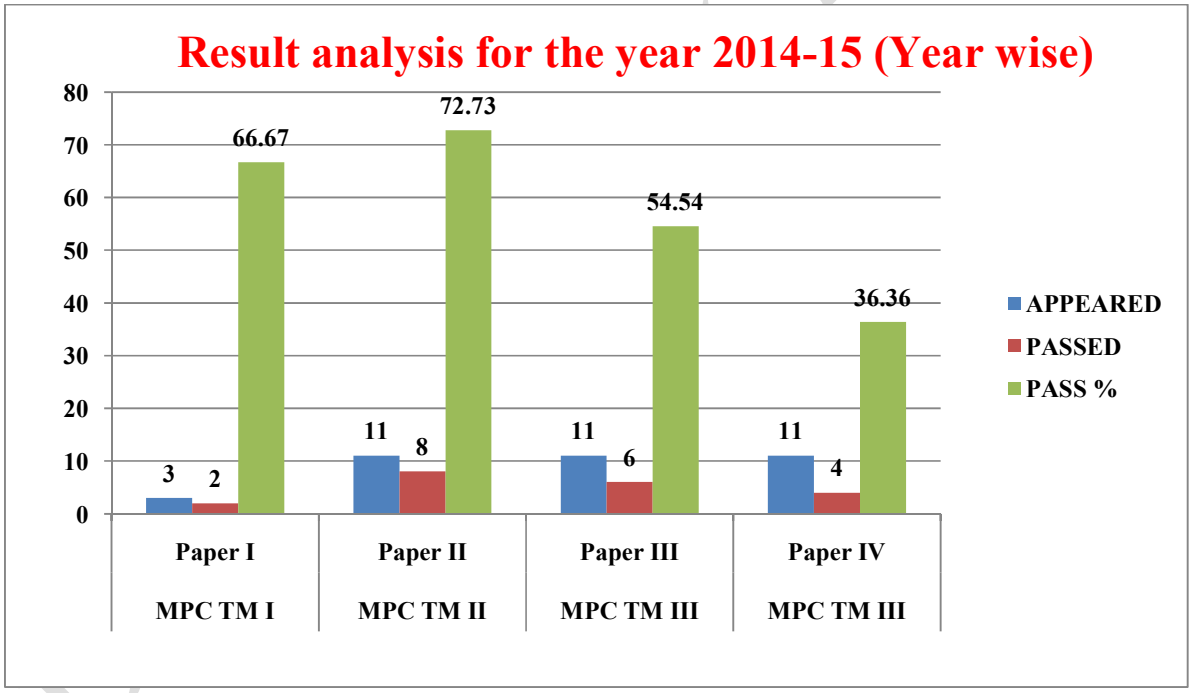
TIME TABLE FOR THE ACADEMIC YEAR 2018-19							
DAY	**I**	**II**	**III**		**IV**	**V**	**VI**
MON	**I MPC TM**	**II MPC EM II MPCS EM III MPC TM**	**I MPC EM I MPCS EM**			**I MPC EM PRACTICALS I MPCS EM PRACTICALS II MPC EM PRACTICALS**	
TUE	**III MPC TM**	**II MPC TM**	**II MPC EM II MPCS EM**		**I MPC TM**	**I MPC TM PRACTICALS III MPC TM PRACTICALS**	
WED		**III MPC TM**		**LUNCH**	**II MPC EM II MPCS EM**		
THU	**II MPC TM**	**I MPC EM I MPCS EM**	**I MPC TM III MPC TM**			**II MPCS PRACTICALS**	
FRI		**II MPC EM II MPCS EM**	**I MPC EM I MPCS EM**		**III MPCTM II MPC TM**	**II MPC TM PRACTICALS**	
SAT	**I MPC EM I MPCS EM**	**II MPC TM**	**III MPC TM**		**I MPC TM**	**III MPC TM PRACTICALS**	

TIME TABLE FOR THE ACADEMIC YEAR 2021-22

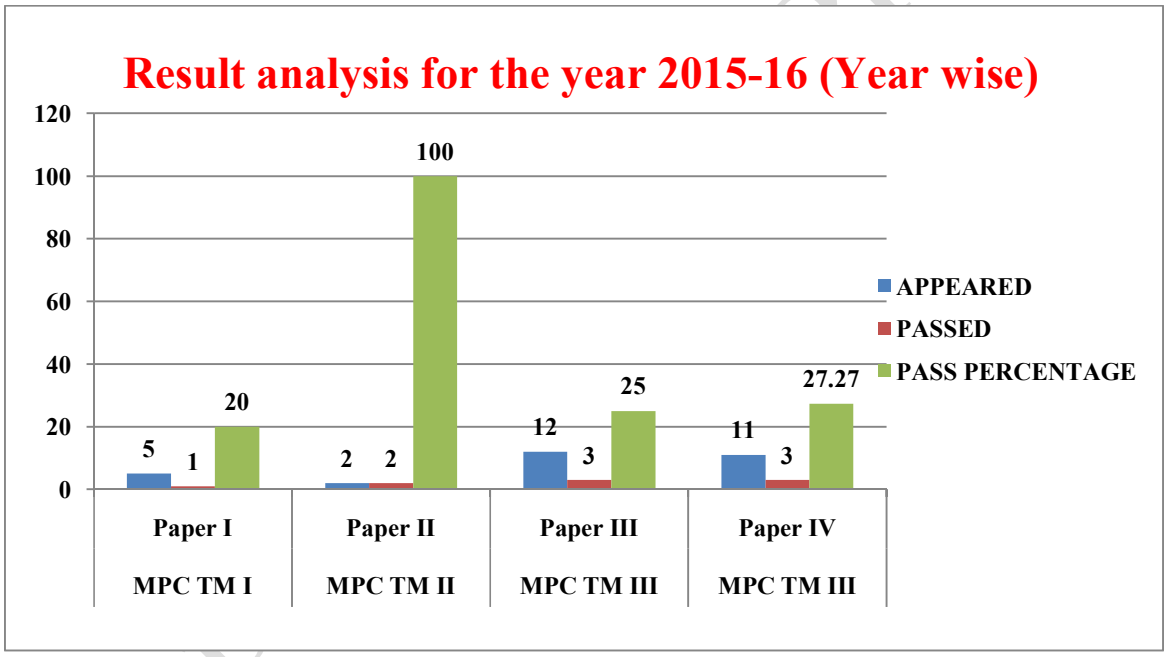
Day	10:00-10:50	10:50-11:40	11:40-12:30	12:30-01:20	01:20 - 02:00	02:00-02:50	02:50-03:40	03:40-04:30
MON		III MPC EM III MPCS EM	I MPC EM I MPCS EM	II MPC EM II MPCS EM	Break	II MPC EM PRACTICALS		
TUE	I MPC EM I MPCS EM	II MPC EM II MPCS EM				I MPC EM PRACTICALS III MPCS EM PRACTICALS		
WED	III MPC EM III MPCS EM			II MPC EM II MPCS EM		I MPCS EM PRACTICALS		
THU		III MPC EM III MPCS EM	I MPC EM I MPCS EM			II MPCS EM PRACTICALS		
FRI	III MPC EM III MPCS EM			I MPC EM I MPCS EM				
SAT		II MPC EM II MPCS EM				III MPC EM PRACTICALS		

Result Analysis:

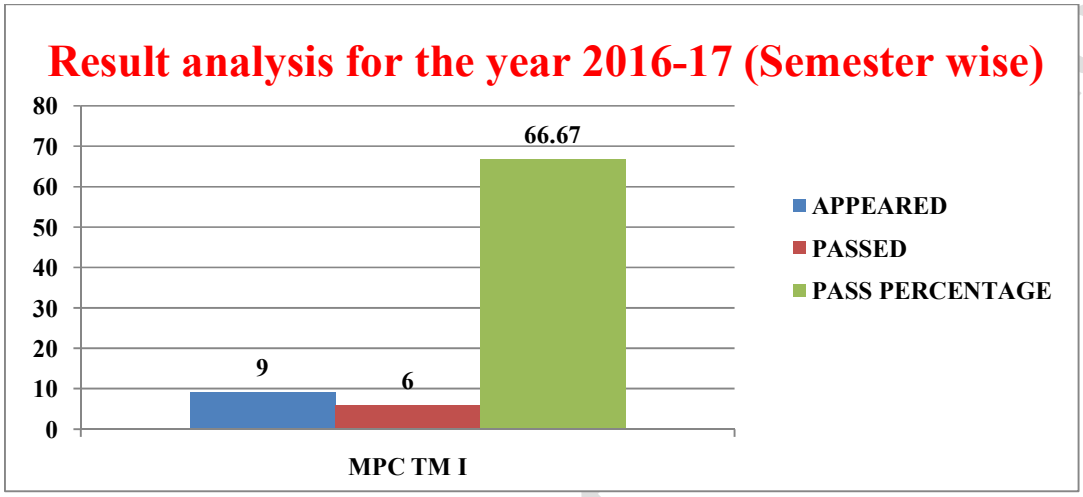
2014-15				
GROUP/YEAR	PAPER	NO OF STUDENTS		PASS PERCENTAGE
		APPEARED	PASSED	
I MPC TM	Paper I	3	2	66.67%
II MPC TM	Paper II	11	8	72.73%
III MPC TM	Paper III	11	6	54.54%
III MPC TM	Paper IV	11	4	36.36%



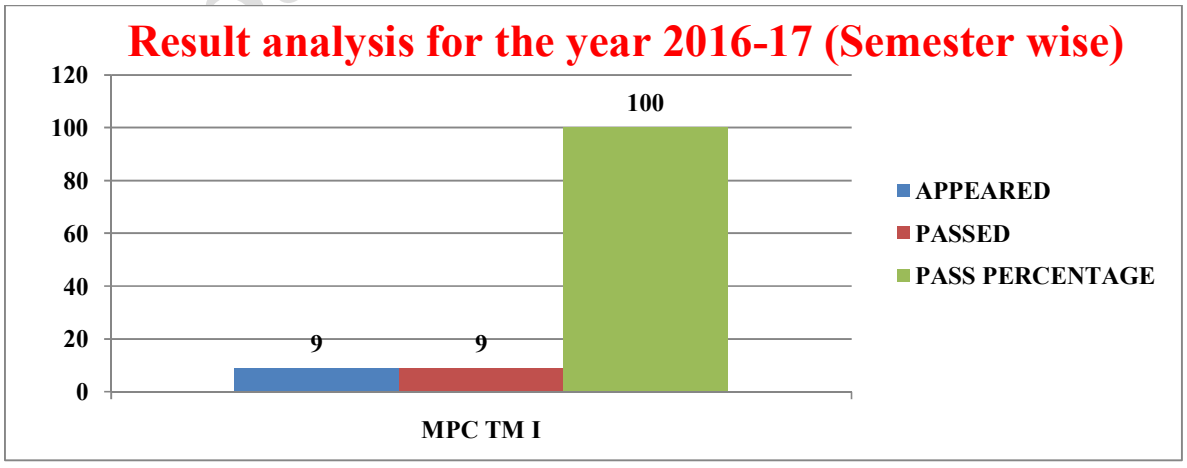
2015-16				
GROUP/YEAR	PAPER	NO OF STUDENTS		PASS PERCENTAGE
		APPEARED	PASSED	
I MPC TM	Paper I	5	1	20.00%
II MPC TM	Paper II	2	2	100.00%
III MPC TM	Paper III	12	3	25.00%
III MPC TM	Paper IV	11	3	27.27%



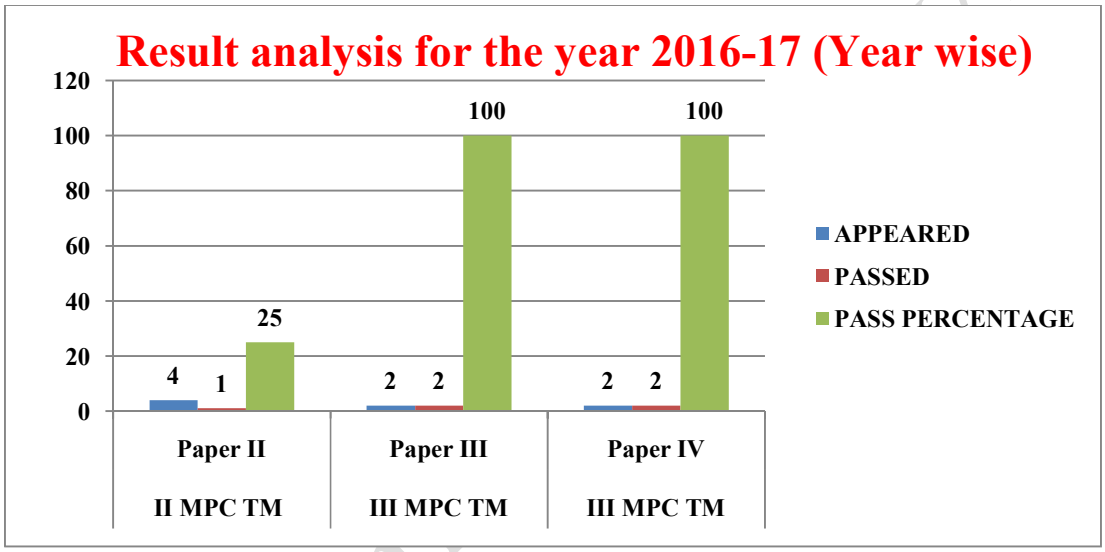
2016-17 Semester I				
GROUP/YEAR	PAPER	NO OF STUDENTS		PASS PERCENTAGE
		APPEARED	PASSED	
I MPC TM	Paper I	9	6	66.67



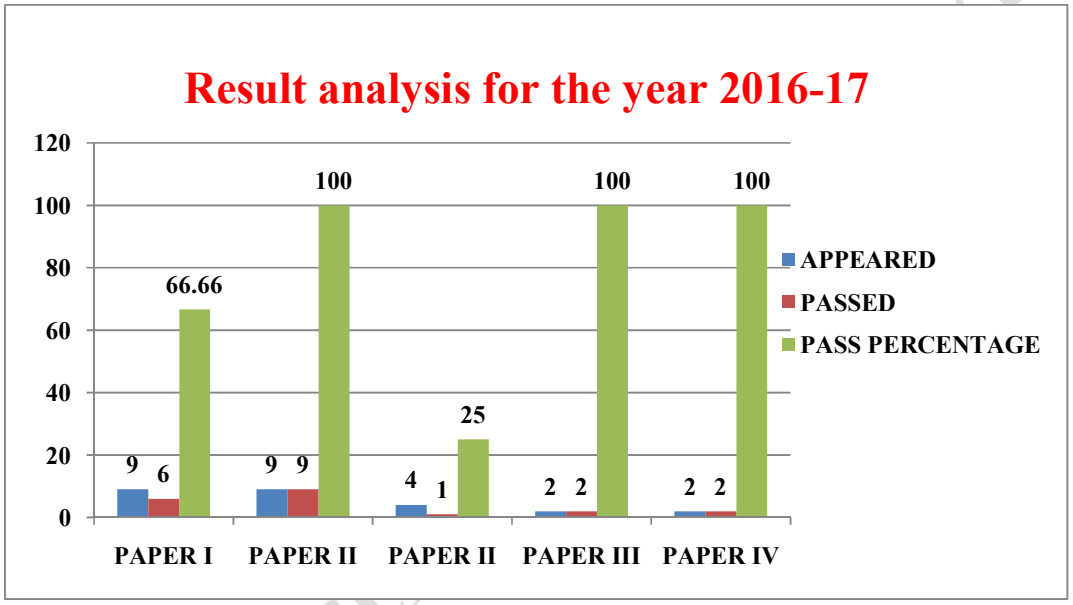
2016-17 Semester II				
GROUP/YEAR	PAPER	NO OF STUDENTS		PASS PERCENTAGE
		APPEARED	PASSED	
I MPC TM	Paper II	9	9	100%



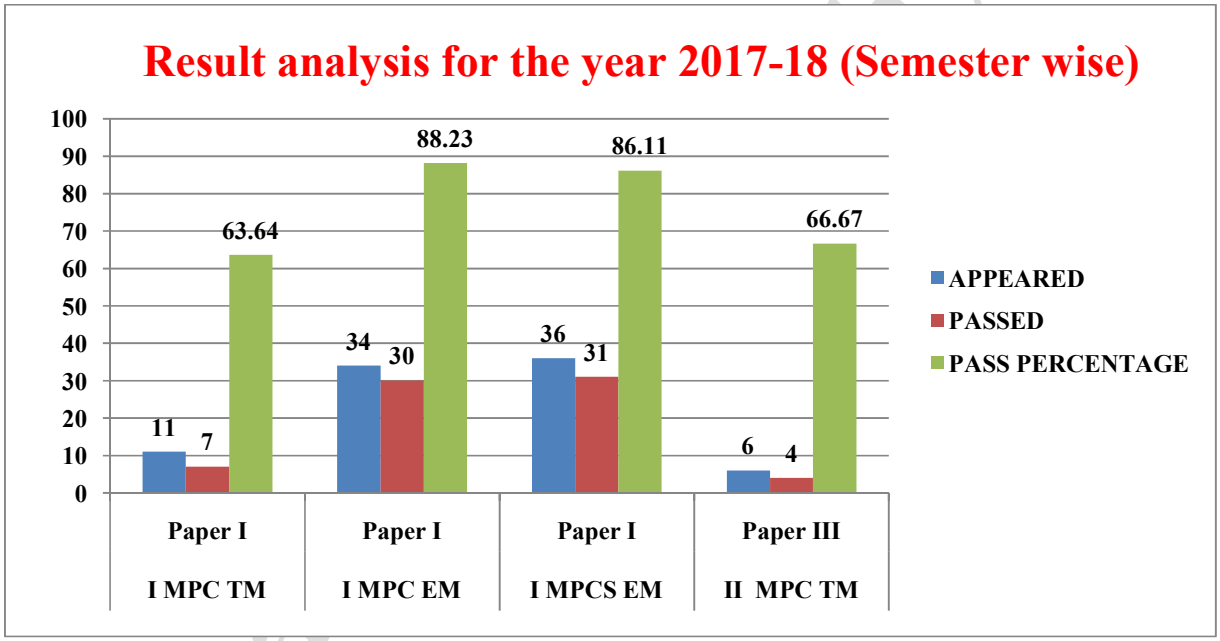
2016-17				
GROUP/YEAR	PAPER	NO OF STUDENTS		PASS PERCENTAGE
		APPEARED	PASSED	
II MPC TM	Paper II	4	1	25.00%
III MPC TM	Paper III	2	2	100.00%
III MPC TM	Paper IV	2	2	100.00%



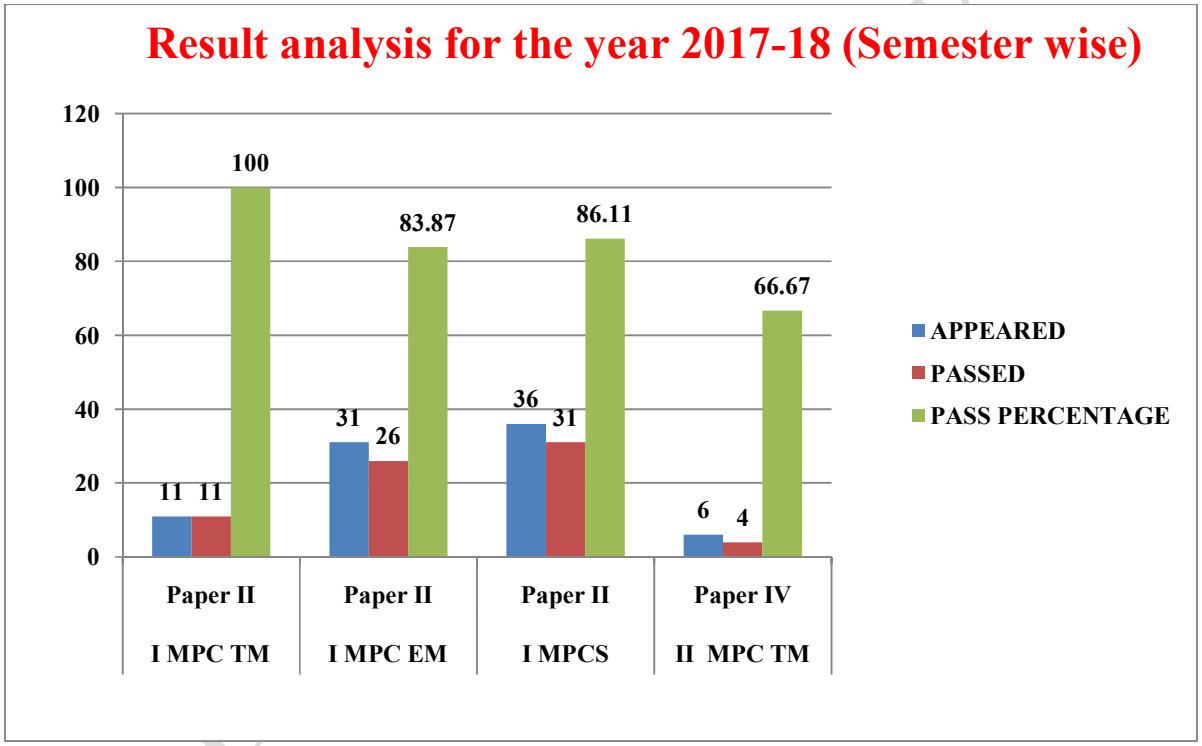
2016-17				
GROUP/ YEAR	PAPER	NO OF STUDENTS		PASS PERCENTAGE
		APPEARED	PASSED	
I MPC (SEM I)	PAPER I	9	6	66.66
I MPC (SEM II)	PAPER II	9	9	100
II YEAR	PAPER II	4	1	25
III YEAR	PAPER III	2	2	100
III YEAR	PAPER IV	2	2	100



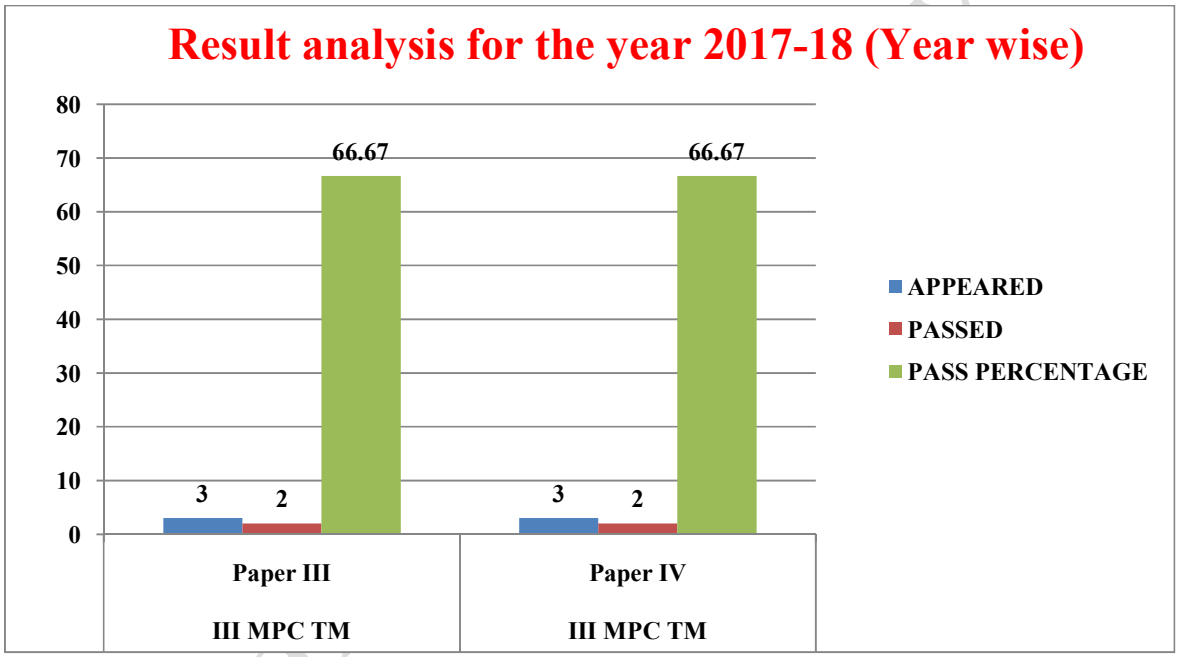
2017-18 SEMESTER I & III				
GROUP/YEAR	PAPER	NO OF STUDENTS		PASS PERCENTAGE
		APPEARED	PASSED	
I MPC TM	Paper I	11	7	63.63%
I MPC EM	Paper I	34	30	88.23%
I MPCS EM	Paper I	36	31	86.11%
II MPC TM	Paper III	6	4	66.67%



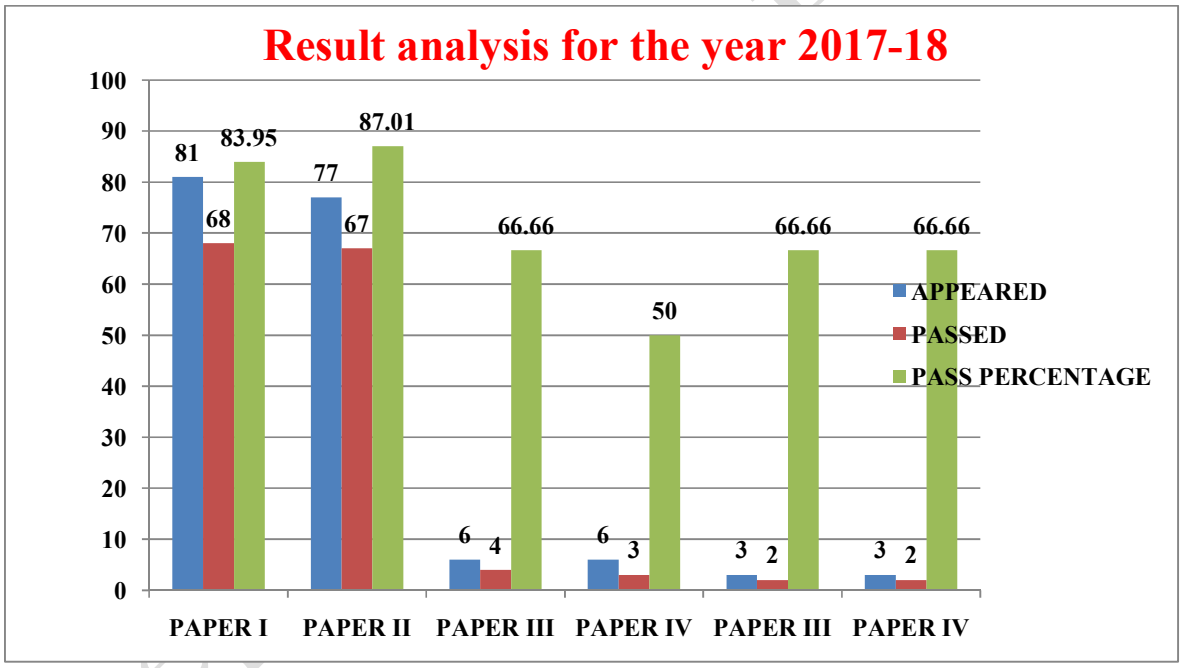
2017-18 SEMESTER II & IV				
GROUP/YEAR	PAPER	NO OF STUDENTS		PASS PERCENTAGE
		APPEARED	PASSED	
I MPC TM	Paper II	11	11	100%
I MPC EM	Paper II	31	26	83.87%
I MPCS EM	Paper II	36	31	86.11%
II MPC TM	Paper IV	6	4	66.67%



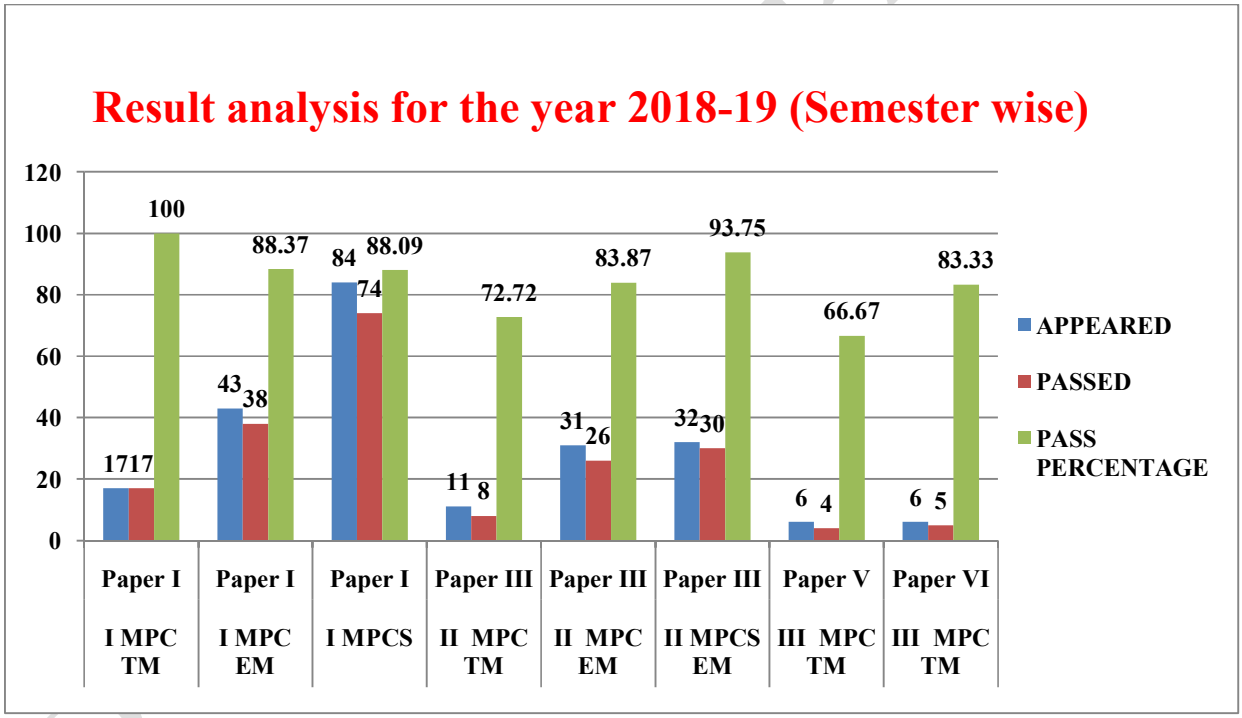
2017-18				
GROUP/YEAR	PAPER	NO OF STUDENTS		PASS PERCENTAGE
		APPEARED	PASSED	
III MPC TM	Paper III	3	2	66.67%
III MPC TM	Paper IV	3	2	66.67%



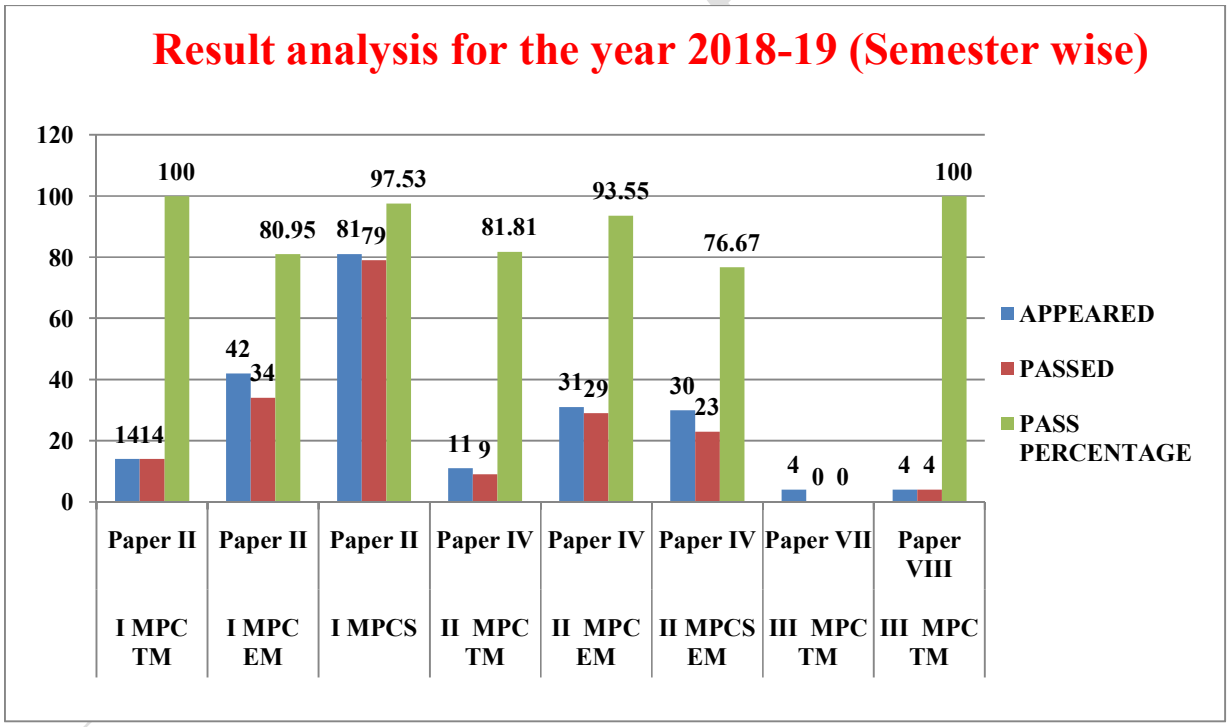
2017-18				
SEM/YEAR	PAPER	NO OF STUDENTS		PASS PERCENTAGE
		APPEARED	PASSED	
SEM I/ I YEAR	PAPER I	81	68	83.95
SEM II / I YEAR	PAPER II	77	67	87.01
SEM III /II YEAR	PAPER III	6	4	66.66
SEM IV/ II YEAR	PAPER IV	6	3	50
III YEAR	PAPER III	3	2	66.66
III YEAR	PAPER IV	3	2	66.66



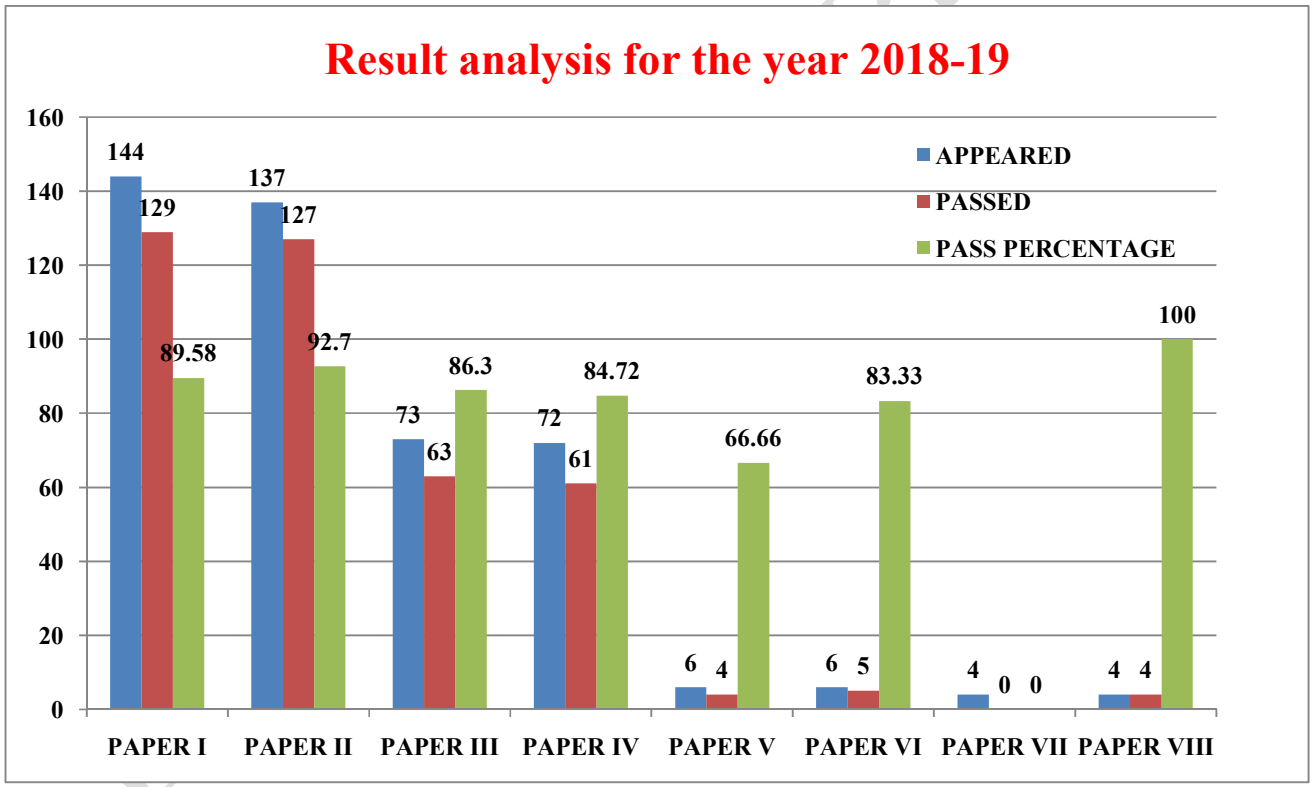
2018-19 SEMESTER I, III & V				
GROUP/YEAR	PAPER	NO OF STUDENTS		PASS PERCENTAGE
		APPEARED	PASSED	
I MPC TM	Paper I	17	17	100%
I MPC EM	Paper I	43	38	88.37%
I MPCS EM	Paper I	84	74	88.09%
II MPC TM	Paper III	11	8	72.72%
II MPC EM	Paper III	31	26	83.87%
II MPCS EM	Paper III	32	30	93.75%
III MPC TM	Paper V	6	4	66.67%
III MPC TM	Paper VI	6	5	83.33%



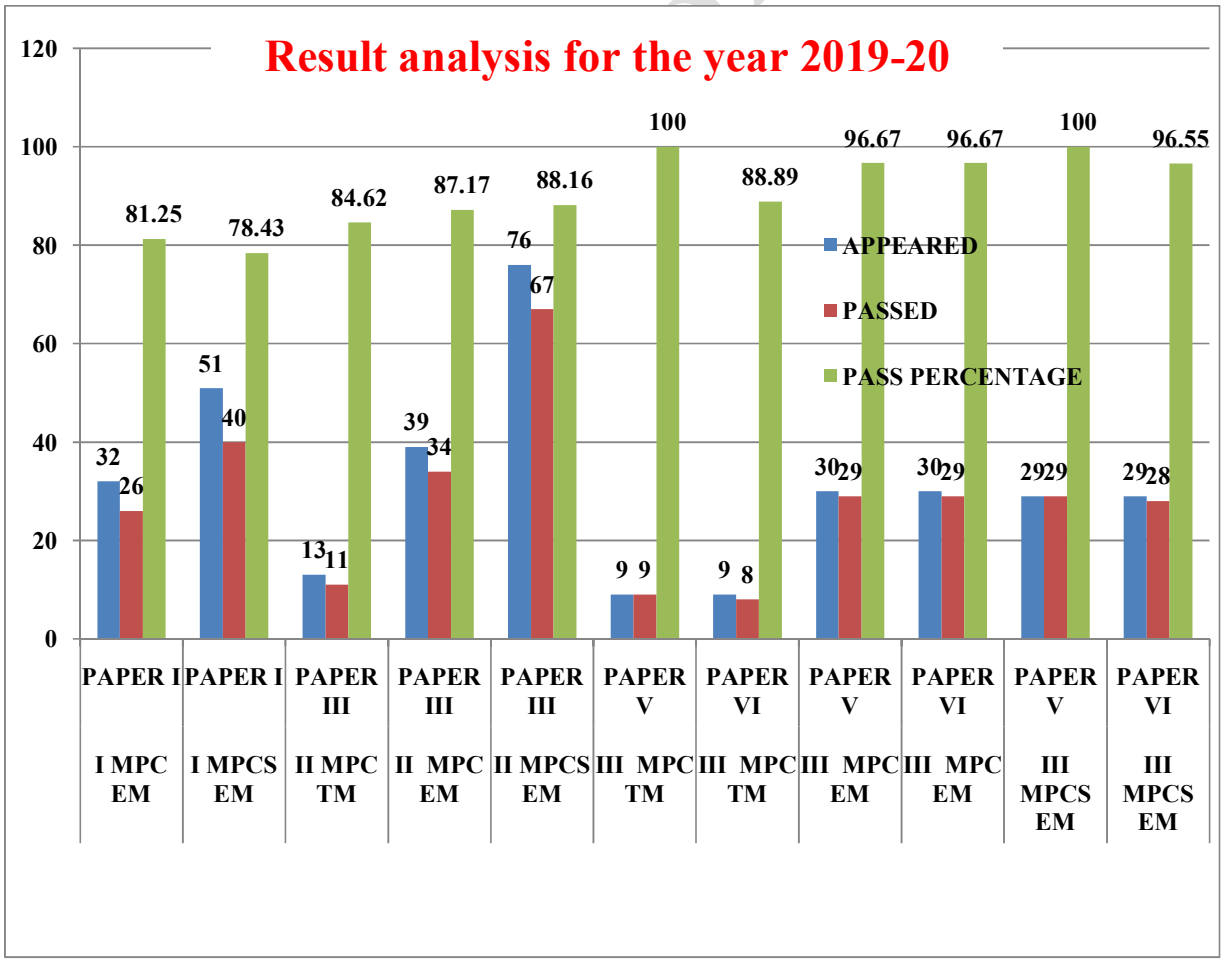
2018-19 SEMESTER II, IV & VI				
GROUP/YEAR	PAPER	NO OF STUDENTS		PASS PERCENTAGE
		APPEARED	PASSED	
I MPC TM	Paper II	14	14	100%
I MPC EM	Paper II	42	34	80.95%
I MPCS EM	Paper II	81	79	97.53%
II MPC TM	Paper IV	11	9	81.81%
II MPC EM	Paper IV	31	29	93.55%
II MPCS EM	Paper IV	30	23	76.67%
III MPC TM	Paper VII	4	0	0%
III MPC TM	Paper VIII	4	4	100%



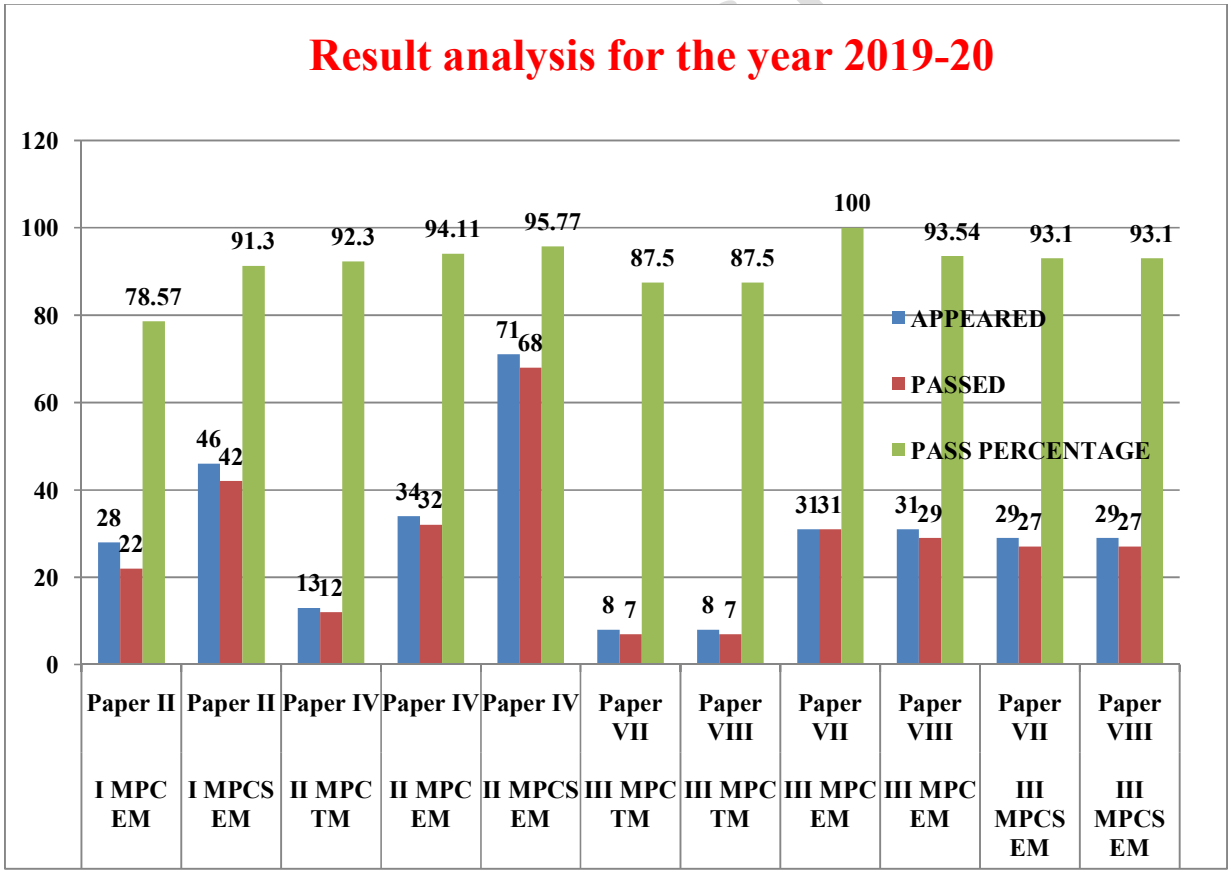
2018-19				
SEM/YEAR		NO OF STUDENTS		PASS PERCENTAGE
	PAPER	APPEARED	PASSED	
SEM I/ I YEAR	PAPER I	144	129	89.58
SEM II/ I YEAR	PAPER II	137	127	92.7
SEM III/ II YEAR	PAPER III	73	63	86.3
SEM IV/ II YEAR	PAPER IV	72	61	84.72
SEM V/ III YEAR	PAPER V	6	4	66.66
SEM V/ III YEAR	PAPER VI	6	5	83.33
SEM VI/ III YEAR	PAPER VII	4	0	0
SEM VI/ III YEAR	PAPER VIII	4	4	100



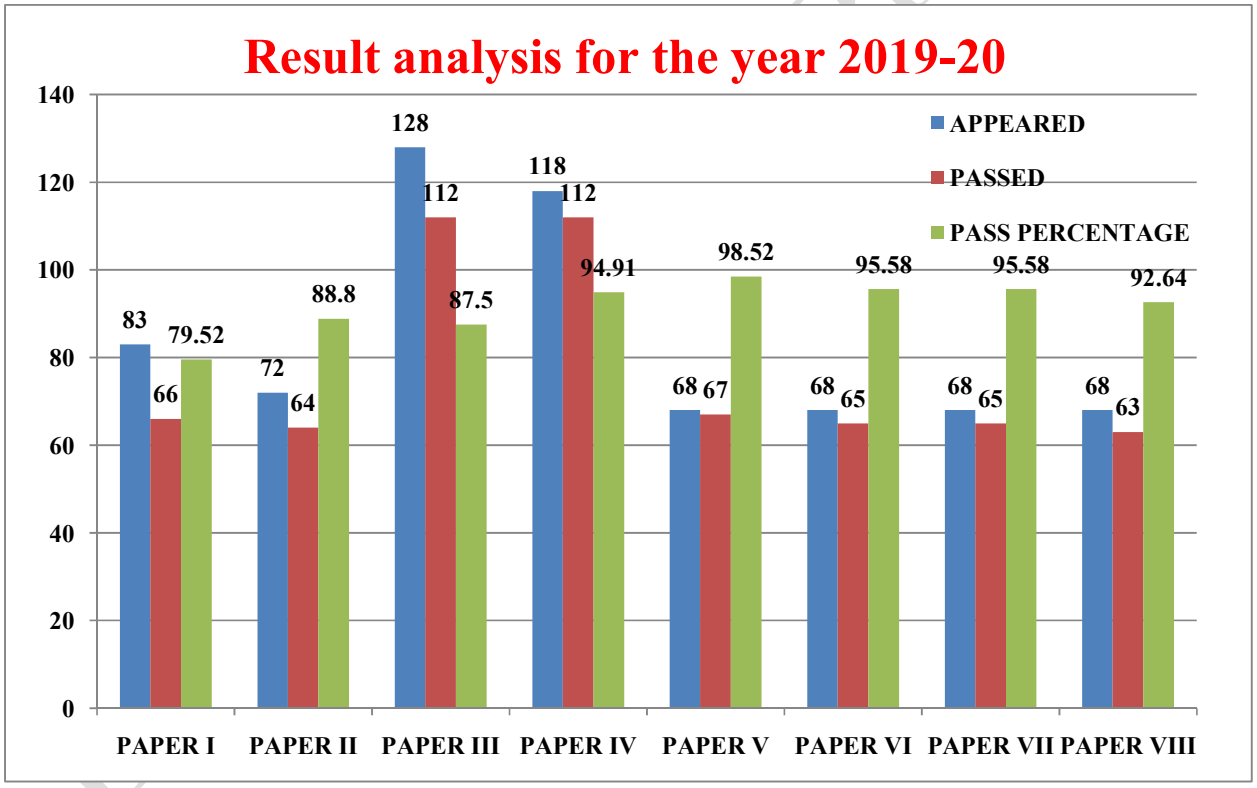
2019-20 SEM I, III & V				
GROUP/YEAR	PAPER	NO.OF STUDENTS		PASS PERCENTAGE
		APPEARED	PASSED	
I MPC EM	PAPER I	32	26	81.25
I MPCS EM	PAPER I	51	40	78.43
II MPC TM	PAPER III	13	11	84.62
II MPC EM	PAPER III	39	34	87.17
II MPCS EM	PAPER III	76	67	88.16
III MPC TM	PAPER V	9	9	100
III MPC TM	PAPER VI	9	8	88.89
III MPC EM	PAPER V	30	29	96.67
III MPC EM	PAPER VI	30	29	96.67
III MPCS EM	PAPER V	29	29	100
III MPCS EM	PAPER VI	29	28	96.55



2019-20 SEMESTER II, IV & VI				
GROUP/YEAR	PAPER	NO OF STUDENTS		PASS PERCENTAGE
		APPEARED	PASSED	
I MPC EM	Paper II	28	22	78.57
I MPCS EM	Paper II	46	42	91.3
II MPC TM	Paper IV	13	12	92.3
II MPC EM	Paper IV	34	32	94.11
II MPCS EM	Paper IV	71	68	95.77
III MPC TM	Paper VII	8	7	87.5
III MPC TM	Paper VIII	8	7	87.5
III MPC EM	Paper VII	31	31	100
III MPC EM	Paper VIII	31	29	93.54
III MPCS EM	Paper VII	29	27	93.1
III MPCS EM	Paper VIII	29	27	93.1



2019-20				
SEM/YEAR	PAPER	NO OF STUDENTS		PASS PERCENTAGE
		APPEARED	PASSED	
SEM I/ I YEAR	PAPER I	83	66	79.52
SEM II/ I YEAR	PAPER II	72	64	88.8
SEM III/ II YEAR	PAPER III	128	112	87.5
SEM IV/ II YEAR	PAPER IV	118	112	94.91
SEM V/ III YEAR	PAPER V	68	67	98.52
SEM V/ III YEAR	PAPER VI	68	65	95.58
SEM VI/ III YEAR	PAPER VII	68	65	95.58
SEM VI/ III YEAR	PAPER VIII	68	63	92.64



Students Progression:

మెరిసిన గజ్వేల్ మహిళా
డిగ్రీ కళాశాల విద్యార్థినులు

గజ్వేల్, అక్టోబర్ 22: ఇటీవల విడుదలైన రాష్ట్ర స్థాయి ఉమ్మడి సీపీజీఈటీ ఫలితాల్లో గజ్వేల్ ప్రభుత్వ మహిళా డిగ్రీ కళాశాల విద్యార్థినులు మంచి ర్యాంకులు సాధించారు. కళాశాలకు చెందిన విద్యార్థిని మమత ఫిజిక్స్ విభాగంలో 14వ ర్యాంకు, వృక్ష శాస్త్రంలో ఎ.ఆకాంక్ష 100వ ర్యాంకు, కామర్స్‌లో కె. పల్లవి 148 ర్యాంకు, ఎకనామిక్స్‌లో ఈత 210 ర్యాంకు, బయోటెక్నాలజీలో భార్గవి 390 ర్యాంకులు సాధించారు. అంతేకాకుండా కళాశాలకు చెందిన మరో 50మంది వివిధ విభాగాల్లో ర్యాంకులు సాధించినట్లు కళాశాల ప్రిన్సిపాల్ డాక్టర్ ఉమాశశి తెలిపారు. శుక్రవారం ప్రిన్సిపాల్‌తో పాటు కళాశాల అధ్యాపక బృందం విద్యార్థినులను అభినందించింది.

ర్యాంకు సాధించిన విద్యార్థిని అభినందిస్తున్న కళాశాల ప్రిన్సిపాల్ ఉమాశశి, అధ్యాపకులు. ఇన్‌సెట్‌లో ఫిజిక్స్‌లో 14వ ర్యాంకు సాధించిన మమత

పీజీ ప్రవేశపరీక్ష ఫలితాల్లో
ప్రభుత్వ కళాశాల విద్యార్థుల సత్తా

గజ్వేల్, అక్టోబరు 22: పీజీ ప్రవేశపరీక్ష ఫలితాల్లో గజ్వేల్ మహిళా డిగ్రీ కళాశాల విద్యార్థినులు సత్తాచాటారు. ఎం.మమత ఫిజిక్స్ విభాగంలో రాష్ట్రస్థాయిలో 14వ ర్యాంకు, బాటనీ విభాగంలో ఏ.ఆకాంక్ష 100వ ర్యాంకు, పల్లవి కామర్స్ విభాగంలో 148వ ర్యాంకు, జీ.గీత ఎకనామిక్స్ విభాగంలో 210వ ర్యాంకు, బి.భార్గవి బయోటెక్నాలజీ విభాగంలో 390వ ర్యాంకు సాధించారు. వారిని ప్రిన్సిపల్ డాక్టర్ పివి ఉమాశశి అభినందించారు.

logo

CPGET - 2021

DIRECTORATE OF ADMISSIONS : OSMANIA UNIVERSITY, HYDERABAD

RANK CARD

Hall Ticket No.	:	69088250117
Candidate's Name	:	MUNIGADAPA MAMATHA
Father's Name	:	MUNIGADAPA KANAKAIAH
Test Name	:	M.Sc. Physics

Community: BC_D

Date of Birth: 28/11/2000

Marks Obtained	:	76
Rank	:	14

Convener

M. Mamatha

CPGET - 2020
DIRECTORATE OF ADMISSIONS : OSMANIA UNIVERSITY, HYDERABAD

RANK CARD

Hall Ticket No. : 69087530116

Candidate's Name : BEEMARABOINA MAMATHA

Father's Name : NARAYANA

Test Name : M.Sc. Physics

Community: BC_D

Date of Birth: 10/10/1999

Marks Obtained : 56

Rank : 120

Convener

B.Mamatha

CPGET - 2020
DIRECTORATE OF ADMISSIONS : OSMANIA UNIVERSITY, HYDERABAD

RANK CARD

Hall Ticket No. : 69087520402

Candidate's Name : KOTHAPALLI SRILATHA

Father's Name : KOTHAPALLI SHANKARAIAH

Test Name : M.Sc. Physics

Community: BC_D

Date of Birth: 06/03/2000

Marks Obtained : 56

Rank : 124

Convener

K Srilatha

CPGET - 2020
DIRECTORATE OF ADMISSIONS : OSMANIA UNIVERSITY, HYDERABAD

RANK CARD

Hall Ticket No.	:	69087530155
Candidate's Name	:	POOJARI SINDHUJA
Father's Name	:	POOJARI MALLESHAM
Test Name	:	M.Sc. Physics

Community: BC_D

Date of Birth: 06/05/2000

Marks Obtained	:	54
Rank	:	158

Convener

CPGET - 2020
DIRECTORATE OF ADMISSIONS : OSMANIA UNIVERSITY, HYDERABAD

RANK CARD

Hall Ticket No.	:	69188250266
Candidate's Name	:	PETIKETI SUDHA
Father's Name	:	PETIKETI BEEMAPPA
Test Name	:	M.Sc. Physics

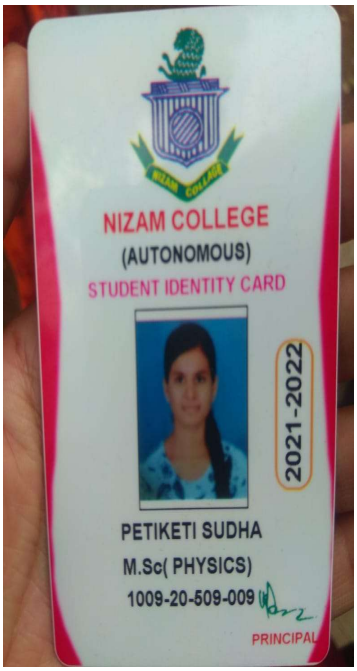
Community: BC_D

Date of Birth: 09/04/2000

Marks Obtained	:	50
Rank	:	249

P. Sudha.

Convener



CPGET - 2021

DIRECTORATE OF ADMISSIONS : OSMANIA UNIVERSITY, HYDERABAD

RANK CARD

Hall Ticket No.	:	69088250408
Candidate's Name	:	KONKA LAVANYA
Father's Name	:	KONKA BALARAJU
Test Name	:	M.Sc. Physics

Community: BC_B

Date of Birth: 27/07/2001

Marks Obtained	:	43
Rank	:	358

Convener

Lavanya

CPGET - 2020

DIRECTORATE OF ADMISSIONS : OSMANIA UNIVERSITY, HYDERABAD

RANK CARD

Hall Ticket No.	:	69087530127
Candidate's Name	:	GUDALA SHARANYA
Father's Name	:	GUDALA OMKARESHWAR
Test Name	:	M.Sc. Physics

Community: OC

Date of Birth: 25/02/1999

Marks Obtained	:	44
Rank	:	499

Convener

CPGET - 2020

DIRECTORATE OF ADMISSIONS : OSMANIA UNIVERSITY, HYDERABAD

RANK CARD

Hall Ticket No.	:	69088260636
Candidate's Name	:	KATHROJU NAGALATHA
Father's Name	:	KATHROJU BALINGAM
Test Name	:	M.Sc. Physics

Community: BC_B

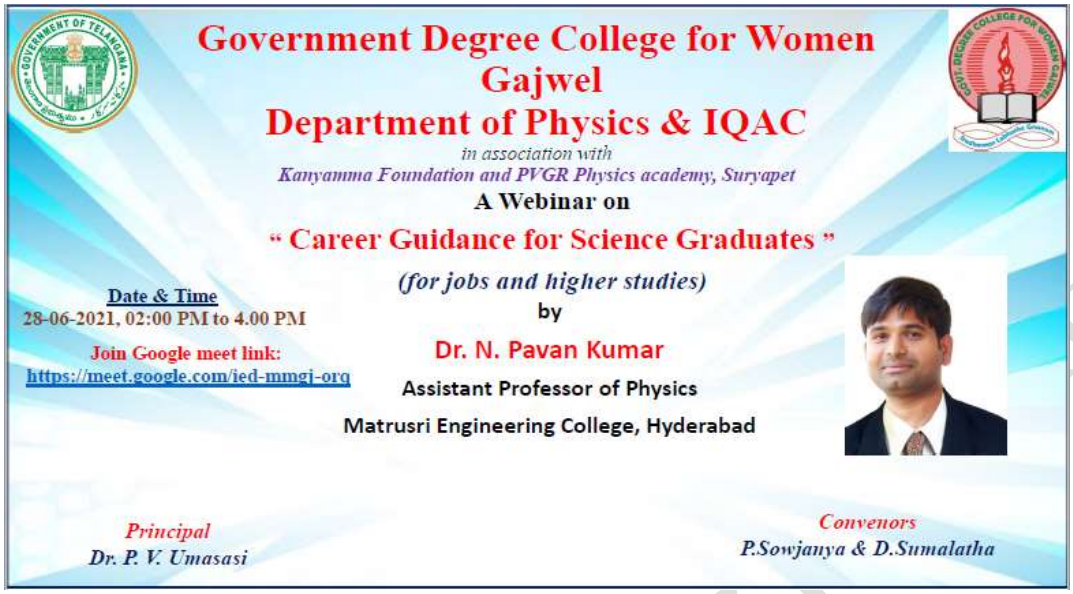
Date of Birth: 30/07/1999

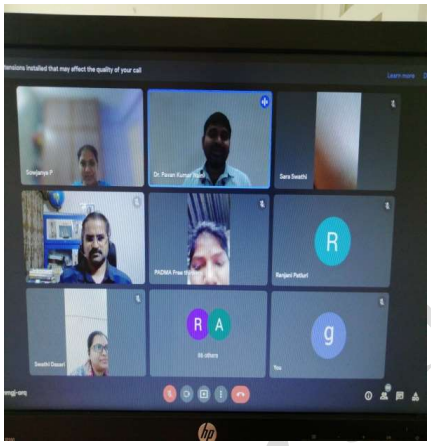
Marks Obtained	:	44
Rank	:	512

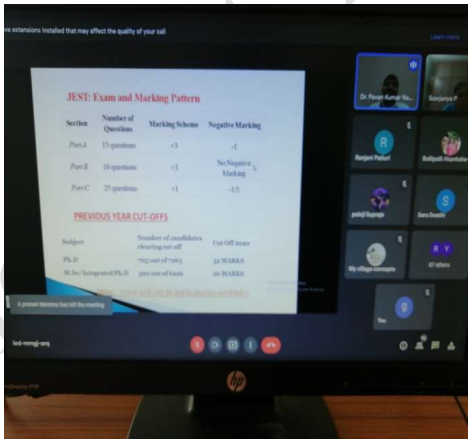
K.Nagalatha.

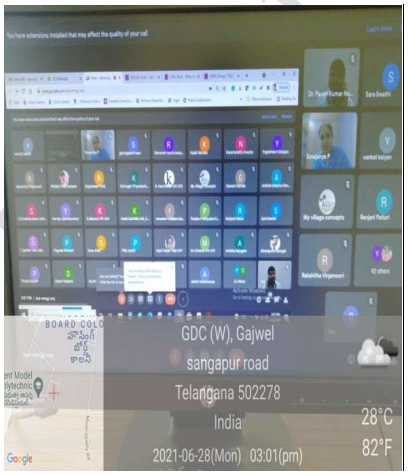
Convener

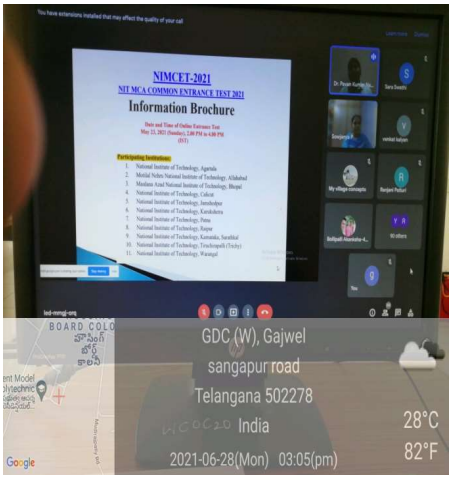
Department of Physics activities during COVID-19











Online Study Project: May, June 2020

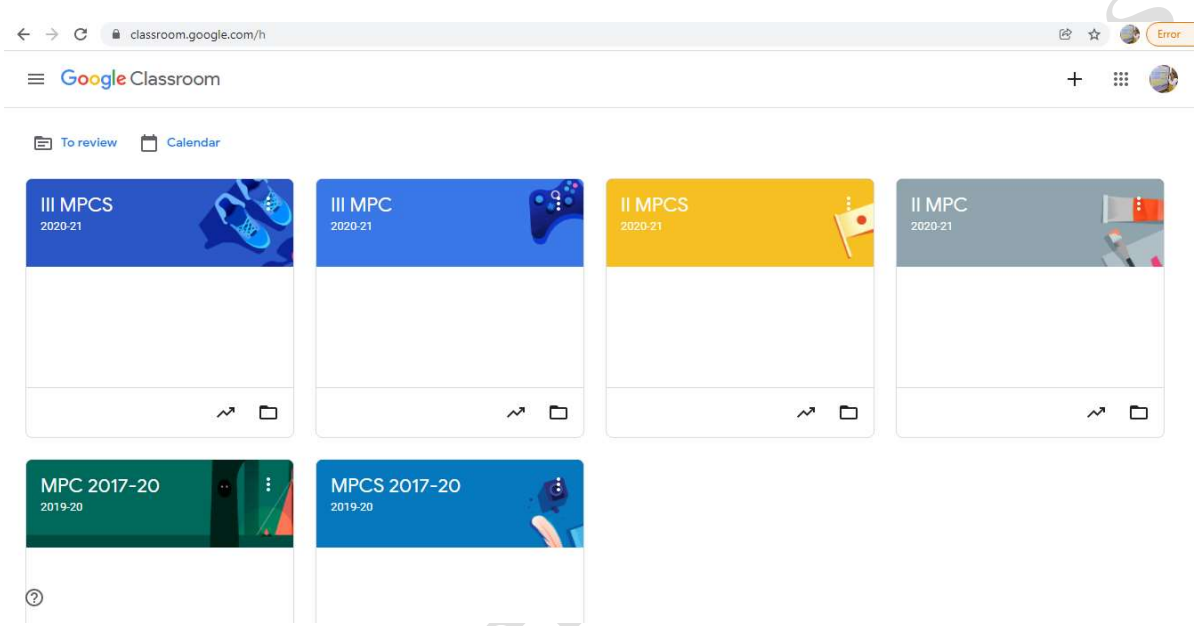
S.No.	Project Name	Name of the students	Group/Year	H.T.No.	Supervisor
1	Future Sources of Energy	B.Meghana	II MPCS	602918468013	P.Sowjanya
2	Energy harvesting devices	P.Swathi	II MPCS	602918468066	P.Sowjanya
3	Types of lenses used in camera	S.Srividya laxmi	II MPCS	602918468085	P.Sowjanya
4	Tesla coil	Y.Lavanya	II MPC	602918441044	D.Sumalatha
5	Optical fiber communications applications	R.Swathi	II MPC	602918441038	D.Sumalatha
6	Superconductivity and their real applications	M.Mamatha	II MPC	602918441030	D.Sumalatha
7	Quantum mechanics	B.Sushma	II MPCS	602918468008	P.Sowjanya
8	Wave energy and its applications	A.Akhila	II MPCS	602918468004	P.Sowjanya
9	Crystallography	Kajolyadav	II MPCS	602918468047	P.Sowjanya
10	Transformer	B.Ashwini	II MPCS	602918468020	D.Sumalatha
11	Liquid crystal	B.Sushma	II MPCS	602918468016	D.Sumalatha
12	Archimedes Principle	G.Supriya	II MPCS	602918468035	P.Sowjanya
13	Advances in Superconductivity	K.Lavanya	II MPCS	602918468055	P.Sowjanya
14	Wireless electricity	V.Shravani	II MPCS	602918468087	D.Sumalatha
15	Soft magnet and applications	P.Nandini	II MPCS	602918468033	P.Sowjanya
16	Dark matter	B.Veena	II MPCS	602918468019	P.Sowjanya
17	Advance of dark matter	R.Sahithi	II MPCS	602918468076	P.Sowjanya
18	Smart sensors	D.Tejaswini	II MPCS	602918468024	P.Sowjanya
19.	The working of a hydraulic lift	B.Sushma A.Sandhya G.Supriya G.Priyanka	II MPCS	602918468016 602918468001 602918468035 602918468044	P.Sowjanya
20.	Photo electric effect explanations	G.Bhavani K.Harika U.Bhavani	I MPCS	602919468030 602919468057 602919468089	P.Sowjanya

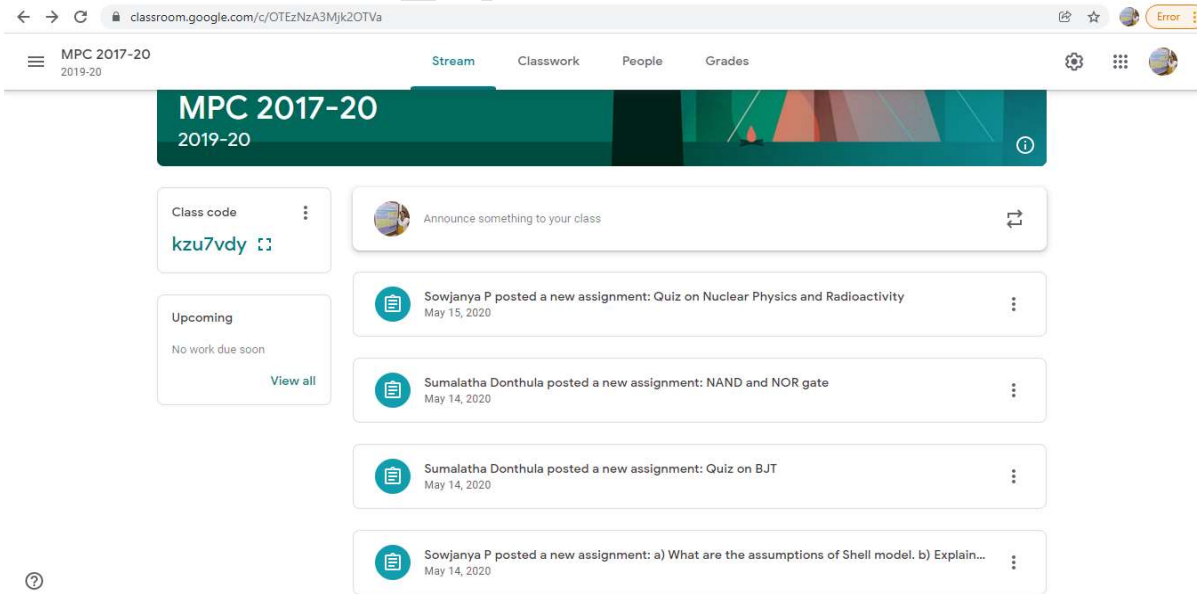
Online Study Project: May 2021

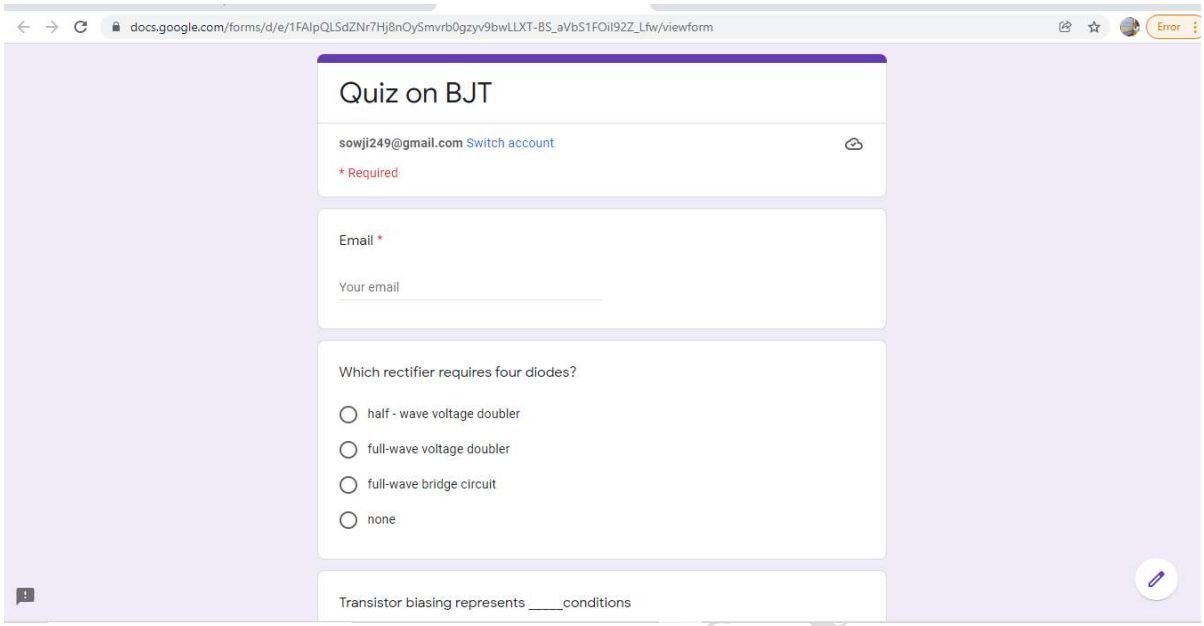
S.No.	Project Name	Name of the students	Group/Year	H.T.No.	Supervisor
1	Head phone Usage	J.Saisamyuktha	I MPCS	602920468041	P.Sowjanya
2	Advantages of rocket technology	Md Reshma R.Madhavi	I MPCS I MPCS	602920468078 602920468067	P.Sowjanya
3	Electric Batteries	S.Arrthi	I MPCS	602920468083	P.Sowjanya
4	Artificial intelligence	M.Bhuvaneshwari	I MPCS	602920468064	P.Sowjanya
5	Wireless communication	K.Poojitha Ayesha Fathima	I MPCS I MPCS	602920468016 602920468004	D.Sumalatha
6	Reflection of concave mirror	P.Gayathri Chandana Divya	I MPCS I MPCS I MPCS	602920468062 602920468092 602920441022	P.Sowjanya
7	Mechanism of touch screen in smart phones	Asma Yadsmeen G.Sirija Reddy	I MPCS I MPCS I MPCS	602920468081 602920468082 602920468025	P.Sowjanya
8	Thermal Physics	K.Vandana	I MPCS	602920468047	P.Sowjanya
9	Portable mobile charger	A.Kumari	I MPCS	602920468001	P.Sowjanya
10	Inverse square law photovoltaic cell technology	P.Bhavana	I MPCS	602920468072	D.Sumalatha
11	Solar tree	G.Ruchitha	I MPCS	602920468028	P.Sowjanya
12	Light dependent resistance	K.Laxmi R.Varsha Sana	I MPCS I MPCS I MPCS	602920441017 602920441025 602920441026	D.Sumalatha
13	Recent developments in high-efficiency	V.Anusha T.Anusha	I MPCS I MPCS	602920468091 602920468087	P.Sowjanya
14	Piezoelectric effect and its applications	K.Vijayalatha J.Sravani	I MPCS I MPCS	602920468060 602920468043	P.Sowjanya
15	Nuclear power on the moon	S.Gayathri K.Bhumika	I MPCS I MPCS	602920468080 602920468049	P.Sowjanya
16	Wireless power transmission	Nazreen M.Vinoda	I MPCS I MPCS	602920468070 602920468063	P.Sowjanya
17	Gravity waves	P.Manusha	I MPCS	602920468023	P.Sowjanya
18	Cyclotron performance and new developments	J.Archana M.Swathi	I MPCS I MPCS	602920468040 6029204680	P.Sowjanya
19.	Piezo electric effect	B.Sreeharsha	I MPCS	602920468006	P.Sowjanya
20.	The effect of solar power	G.Kalpana	I MPC	602920441012	D.Sumalatha
21	Solar system	T.Sravani G.Sravani	I MPC I MPC	602920441030 602920441032	D.Sumalatha
22	Solar cell	G.Kavitha	I MPC	602920441014	D.Sumalatha

23	Design and construction of an antenna booster Wi-Fi signal	Ch.Manasa	I MPCS	602920468013	P.Sowjanya
24	Fiber optic communication	K.Nikhitha	I MPC	602920441018	D.Sumalatha
25	Sonar Technology	Ch.Nandhini	I MPCS	602920468016	P.Sowjanya

Classes through Google Classroom







Competitions:

1. National level e-Quiz on "Physics in daily life" is conducted from 14th July to 20th July 2020. Total 1524 participants from 20 states of India have attempted this quiz.
2. E-Quiz on "Energy Conservation" is conducted on 16/12/2020 for students on the occasion of energy conservation week. Total 79 participants have attempted this quiz.

Online teaching:

List of video recordings:

By Smt.P.Sowjanya

Sl.No.	Date	Topic	YouTube link	Duration
1	16/7/2020	Fiber optics	https://youtu.be/MOU-dH3vbRE	32
2	17/07/2020	Introduction to vectors	https://youtu.be/czIEO0TMDZU	41
3	18/07/2020	Vector analysis	https://youtu.be/PTpveD7O3wA	34
4	21/07/2020	Introduction to Electrostatics	https://youtu.be/cq3TVziryes	30
5	22/07/2020	Gauss law and its applications	https://youtu.be/Fq8fl7znW6M	38

6	23/07/2020	Electric potential	https://youtu.be/Cey8ZF4FrdI	39
7	24/07/2020	Introduction to Magnetostatics	https://youtu.be/VrApvkzdzkI	34
8	25/07/2020	Ampere's law	https://youtu.be/hXXEJX7MwwQ	36
9	27/07/2020	Electromagnetic induction	https://youtu.be/woHE6Q6kG3A	33
10	28/07/2020	Introduction to Maxwell's equations	https://youtu.be/wxpGJFGpJBo	38
11	29/07/2020	Maxwell equations & Electromagnetic waves	https://youtu.be/jhlqJKwqfFM	48
12	30/07/2020	Monochromatic aberrations	https://youtu.be/8jmP7mjxCeo	54
13	31/07/2020	Chromatic aberrations	https://youtu.be/usnT2T2F_9M	40
14	03/08/2020	Vector operators- grad, div and curl	https://youtu.be/1d2FZvGObUQ	38
15	04/08/2020	Stoke's theorem	https://youtu.be/VGIHaONiPhc	43
16	05/08/2020	Gauss divergence theorem	https://youtu.be/xNYqtZAIJ64	45
17	06/08/2020	Green's theorem	https://youtu.be/8w9zO57TWU8	36
18	07/08/2020	Introduction to crystal structure	https://youtu.be/16E-w-Da1LQ	43
19	10/08/2020	Symmetry in crystals	https://youtu.be/aLEPKlmj7cY	49
20	20/08/2020	Bravais lattice	https://youtu.be/qdAG9YguO_Q	52
21	21/08/2020	Miller indices	https://youtu.be/qBqKyo9_t1c	45
22	24/08/2020	Reciprocal lattice, Brillouin zones	https://youtu.be/vAbH-yDK0Wk	47
23	25/08/2020	Structure factor	https://youtu.be/vouY_lZkm3w	50
24	26/08/2020	Lattice vibrations - phonon	https://youtu.be/Twe7KUw0sS4	29
25	01/07/2021	Waves and their characteristics	https://youtu.be/PMb38_54lSY	15
26	02/07/2021	Introduction to Optics	https://youtu.be/t6FuKvT5nX0	13
27	03/07/2021	Coherence and types of Interference	https://youtu.be/9duwbYZV7Dc	18

By Smt.D.Sumalatha

Sl.No.	Date	Topic	YouTube link	Duration
1	16/7/2020	Basics of semiconductors	https://youtu.be/afpg-VVX6cY	20
2	17/07/2020	Types of semi conductors	https://youtu.be/u6zwS4tfVzc	20
3	18/07/2020	PN Junction diode	https://youtu.be/xVb7WaT9wh8	21
4	21/07/2020	Zener diode	https://youtu.be/MtVCM6G88tE	21
5	22/07/2020	Transistors	https://youtu.be/5h6DT30MtWo	25
6	23/07/2020	Types of Transistors	https://youtu.be/H8mqmiBBr4o	24
7	24/07/2020	Transistor configurations	https://youtu.be/p-hk7x9s3To	20
8	25/07/2020	Gain factors	https://youtu.be/AUfNA7CWW6g	23
9	27/07/2020	Electric flux	https://youtu.be/IuCGPJ5JUZk	30
10	28/07/2020	Gauss law	https://youtu.be/LSwEQNbeC4Y	28
11	29/07/2020	Electric field due to charged spherical distribution	https://youtu.be/P2PQFTCfgWg	34
12	30/07/2020	Electric field due to charged cylinder	https://youtu.be/TSlfsK4WxRA	26
13	31/07/2020	Plane, linear charge distribution	https://youtu.be/xVb7WaT9wh8	25
14	03/08/2020	conservation of E, differential form of gauss law	https://youtu.be/jxInePN9IJA	25
15	04/08/2020	Electric potential	https://youtu.be/77r-v3vd2x8	28
16	05/08/2020	potential energy	https://youtu.be/X8ArIP7HKEY	27
17	06/08/2020	potential due to spherical charge distribution	https://youtu.be/O5YwFI4js64	25
18	07/08/2020	Biot -Savart law	https://youtu.be/U1u6PvsvzJ0	30
19	10/08/2020	Ampere law, divergence of B	https://youtu.be/CUTj_7FWJ44	25
20	12/08/2020	linear, circular ,solenoid M.F	https://youtu.be/-ymX46_x0CQ	27
21	13/08/2020	Energy stored in M. F., magnetic force between two current carrying conductor	https://youtu.be/ri3Y4k9xD0w	32
22	14/08/2020	Moving coil Galvanometer	https://youtu.be/fcvOP8DvGYQ	20

23	17/08/2020	Fa29raday laws, Lenz law	https://youtu.be/eQGT9eoHTvk	26
24	18/08/2020	Self induction, mutual induction	https://youtu.be/1zQMexQ6hpA	29
25	19/08/2020	Continuity equation, modification of Ampere's law	https://youtu.be/_BAqwNFXZm0	20
26	20/08/2020	Maxwell Equations in electro magnetism	https://youtu.be/pF8puWLxyAs	20
27	21/08/2020	Maxwell Equations in vacuum	https://youtu.be/y1aApPlK6lU	24
28	24/08/2020	Maxwell Equations in free space	https://youtu.be/ilQhYudQv-s	20
29	25/08/2020	Plane wave equation, transverse nature of electromagnetic waves	https://youtu.be/9b82hykb-0g	27
30	26/08/2020	Linear, circular, elliptical polarisation	https://youtu.be/H6vBu2g-DiM	28
31	05/05/2021	semiconductors	https://youtu.be/hqweK1er0uA	17
32	06/05/2021	ABCD Parameters	https://youtu.be/7LfGamTplIc	18
33	07/05/2021	y -Parameters	https://youtu.be/DiXcQlPrFS0	21
34	10/05/2021	h parameters	https://youtu.be/oQDLg7SHF-0	20
35	11/05/2021	Thevenin's Theorem	https://youtu.be/2jsSv6_Onhs	17
36	12/05/2021	Norton’s Theorem	https://youtu.be/1nL9BBOG1F8	21
37	13/05/2021	Thevenin's Theorem problems	https://youtu.be/ZA7Oex8QAsU	19
38	17/05/2021	two Port Network	https://youtu.be/ZYLehYAjiJw	21
39	18/05/2021	maximum Power Transfer Theorem	https://youtu.be/j4mQQJtVVHk	31
40	19/05/2021	Z-Parameters	https://youtu.be/Ru-ajTT_qIM	23
41	20/05/2021	Band Theory	https://youtu.be/8_ojIFw_URc	27
42	21/05/2021	Diodes	https://youtu.be/VDy1V36czko	19
43	22/05/2021	Diodes Characteristics	https://youtu.be/fMKJYW4BC_M	24
44	24/05/2021	Transistors	https://youtu.be/pIKoGYAx9oU	17
45	25/05/2021	Types of Transistors	https://youtu.be/B3cEqM163Mw	21
46	26/05/2021	Transistors Configurations	https://youtu.be/muAVZB5kgaU	23
47	27/05/2021	CE Configuration	https://youtu.be/85j4VIPblhg	17
48	28/05/2021	Digital Electronics	https://youtu.be/6bAuy2qTWKo	17
49	29/05/2021	Number System	https://youtu.be/Mmrzy09WzTQ	29
50	31/05/2021	Logic Gates	https://youtu.be/swsPjgIGOWQ	18

S0WJANYA PAGIDALA
M.Sc (Physics), CSIR-NET, (Ph.D.)
Assistant Professor of Physics
GDC (W), Gajwel
E-mail : **sowji249@gmail.com**
Contact No.:**+91 9490986490**

1. **Name** : P.SOWJANYA
2. **Department** : PHYSICS
3. **Designation** : Assistant professor
4. **Educational Qualifications** : M.Sc. Physics, CSIR-JRF (NET), (Ph.D.)
5. **Teaching experience** :

   - Working as Assistant Professor of Physics in GDC (W), Gajwel, Siddipet Dist., from 23/01/2019 to till date.
   - Worked in GDC, Srisailam, Kurnool, A.P. as a lecturer in Physics 07/06/2017 to 22/01/2019.
   - Worked in KVR GDC (W), Kurnool, A.P. as a lecturer in Physics from 04/02/2012 to 06/06/2017.
   - Worked in Andhra Mahila Junior College, Osmania University Campus as a lecturer in Physics for a period of 1 year (2009-10).
   - Worked in IIIT-Basar as Assistant Professor for a period of 1 year (2008-2009).

6. **Research experience** :
   - As JRF under Dr.Ranjan Datta, ICMS in Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore from August 2010 to January 2012.
   - As part time research scholar under Prof.M.V.Ramana Reddy, Department of Physics, University College of Science, OU, Hyderabad from April 2017 to till date.
7. **Academic Achievements:**

   - I had been receiving **PRATHIBHA Scholarship** from the Govt. of A.P. during 2004-2008.
   - Secured state 16^{th} rank in intermediate.
   - Secured state 41^{st} rank in M.Sc. entrance (OU), and got ranks below 50 in all other entrances appeared.

- Secured 32nd rank in M.Sc. entrance of NIT, Warangal.
- Secured ALL INDIA 159th Rank in GATE-PHYSICS
- Secured ALL INDIA 33rd rank in CSIR entrance (PHYSICS) , and eligible for Research (JRF)

8. Courses attended:

S.No	Title of the course attended	Organised by	Period
1	Choice Based Credit System- Preparation of Basic Format for existing autonomous colleges	UGC ASC, University of Hyderabad	15/04/2014 to 17/04/2014
2	Refresher course on "Soft skills for Professional Excellence"	UGC ASC JNTU Hyderabad	07/07/2014 to 26/07/2014
3	Short term course on ICT	UGC HRDC, OU, Hyderabad	16/03/2016 to 22/03/2016
4	Orientation course	UGC HRDC, OU, Hyderabad	14/06/2017 to 14/07/2017
5	Hands on training on "OER,CONTENT DEVELOPMENT, MOOCS AND MOODLE"	NIT, Warangal	19/11/2018 to 24/11/2018
6	Short term course on "ICT Tools in Higher Education"	UGC-HRDC & RUSA, OU, Hyderabad	12/08/2020 to 19/08/2020
7	Orientation on SDG-4 – Quality Education to Asst. Professors/ Lecturers Commissionerate of Collegiate Education (CCE)	Dr.MCR HRD Institute of Telangana	05/05/2021 to 07/05/2021

9. Published/ Participated in Seminars/ conferences:

S. No	Title with Page No.	Name of the Journal	ISSN/ ISBN No.	Date & Period
1	Green Nano technology (84-86)	National seminar on "Green Chemistry: Contribution to the Environmental sustainability"	978-93-82163-16-9	28/01/15 to 29/01/15
2	Physics Education using 21st century skills (133-134)	Innovations in Science Education: A research oriented approach	978-93-82163-92-3	02/02/15 & 03/02/15
3	How to reduce daily / work life stress using yoga (203-205)	Role of sports and Nutrition-Its impact on personality development	978-81-921580-6-8	18/02/15 & 19/02/15
4	An overview of various thin film	New trends on advanced materials	978-93-85101-07-6	27/02/2015

	growth techniques (119-122)			
5	Steps to reduce pollution to achieve Swatchh bharath (251-253)	Swatchh Bharath-Role of Society	978-93-85100-50-5	11/12/2015
6	Achieving gender equality – Some policies in India (61-65)	Human rights with special reference to Women Rights: Issues and Concerns	97893-85101-43-4	23/01/2017 & 24/01/2017

Sl.No.	Title of the paper	Organised by	International/ National/ State	Date & Period
1	Sustainable management of biodiversity	GDC(M), Kurnool	National	12/12/2014
2	Kadambari navala- Pathra chithrana	Dept. of Telugu, KVRGDC(W), Kurnool	National	06/01/2015 & 07/01/2015
3	Green Nano technology	KVRGDC(W), Kurnool	National	28/01/2015 & 29/01/2015
4	Industrial applications of nano materials	GDC(M), Ananthapur	National	30/01/2015 & 31/01/2015
5	Physics Education using 21st century skills	KVRGDC(W), Kurnool	National	02/02/2015 & 03/02/2015
6	Preventions to reduce noise, light and radioactive pollutions	Dept. of Chemistry, Osmania College(A), Kurnool	National	07/02/2015
7	How to reduce daily / work life stress using yoga	KVRGDC(W), Kurnool	National	18/02/2015 & 19/02/2015
8	Effect of Geomagnetism on Human life	Dept. of Physics, Osmania College(A), Kurnool	National	21/02/2015 & 22/02/2015
9	An overview of various thin film growth techniques	GDC(M), Kadapa	National	27/02/2015
10	Steps to reduce pollution to achieve Swatchh bharath	Silver Jubilee Govt. College(A), Kurnool	National	11/12/2015
11	Human rights with special reference to Women Rights: Issues and Concerns	KVRGCW (A), Kurnool	National	23/01/2017 & 24/01/2017
12	Recent trends in Physics & Electronics	Dept. of Physics & Electronics, Rayalaseema University	National	30/08/17 & 31/08/17
13	Challenges & Opportunities of Indian tourism	Dept. of History, GDC, Srisailam	National	21/09/17 & 22/09/17
14	Magnetocaloric studies of polycrystalline Ho doped $GdMnO_3$ multiferroics	Andhra Pradesh Science Congress-2018 by Yogi Vemana University, Kadapa, A.P.	National	09/11/2018 to 11/11/2018

15	Synthesis and Magnetic characterization of cobalt doped nickel ferrites	Material Science for Societal Advancement	International	20/01/2020 & 22/01/2020

10. Guest lectures :

- Guest lecture on the topic "Aberrations in lens" for II year students of GDC(M), Kurnool on 04/01/2016
- Guest lecture on the topic "Statistical mechanics" for II year students of Silver Jubilee Govt. Degree College (A), Kurnool.
- Guest lecture on the topic "Fiber optics" for II year students of GDC(W), Begumpet.

11. Workshops attended:

Sl.No.	Name of the workshop	Organised by	International/ National/ State	Date & Period
1	CBCS& Online internal examination at UG level semester system	DRC,Kurnool at GTRM GDC, Yerraguntla, Kurnool	State level workshop	25/01/2016
2	Departmental Conference on UG syllabus for Physics	Dept. of Physics, UCS, OU	Department Conference	29/02/2020
3	Low cost models with simulations in undergraduate Physics practicals	GDC(A), Siddipet	State level workshop	07/03/2020

12. Online programmes attended:

Sl.No.	Name of the Program	Organised by	Date & Period
1	Learning Physics through simple experiments	IIT, Kanpur	02/04/2020 to 10/06/2020
2	The use of virtual physics labs- Creating next generation teachers	Department of Freshman Engineering, Geethanjali College of Engineering and Technology, Hyderabad	20/05/2020 to 24/05/2020
3	Emerging trends in Sciences - Usage of Research Tools and Techniques	Vardhaman College of Engineering, Hyderabad	15/06/2020 to 20/06/2020
4	E-Quiz on NAAC terminology	KVR GCW(A), Kurnool	17/06/2020
5	Research skill development	Dept of Physics, GITAM, Hyderabad	23/06/2020 to 27/06/2020

6	Webinar on "Functional materials and applications"	Dept of Physics, TSWRDC(W), Budvel	26/07/2020
7	E-Quiz on General Studies	Dept of Public Administration, GDC(W), Gajwel	29/07/2020
8	Liquid crystals and nanomaterials for display technology	Vignan's Institute of Management & Technology for Women, Hyderabad	08/08/2020
9	Short term course on "ICT Tools in Higher Education"	UGC-HRDC & RUSA, OU, Hyderabad	12/08/2020 to 19/08/2020
10	Non destructive testing methods and applications	Matrusri Engineering College, Hyderabad	05/09/2020
11	Workshop on Rietveld Refinement Method	UGC-DAE Consortium for Scientific Research, Mumbai Centre	22/09/2020 to 24/09/2020
12	Orientation on SDG-4 – Quality Education to Asst. Professors/ Lecturers Commissionerate of Collegiate Education (CCE)	Dr.MCR HRD Institute of Telangana	05/05/2021 to 07/05/2021
13	Transformation through NAAC accreditation process, A national level workshop for higher educational institutions	Institute for Academic Excellence	21/06/2021 to 22/06/2021

13. Institutional social responsibilities :

a. Convenor for Women Empowerment cell

b. Convenor for Internal Complaints Cell

c. In charge of Department of Physics

14. YouTube videos uploaded:

S.No.	Date	Topic	YouTube link	Duration
1	16/7/2020	Fibre optics	https://youtu.be/MOU-dH3vbRE	32
2	17/07/2020	Introduction to vectors	https://youtu.be/czIEO0TMDZU	41
3	18/07/2020	Vector analysis	https://youtu.be/PTpveD7O3wA	34
4	21/07/2020	Introduction to Electrostatics	https://youtu.be/cq3TVziryes	30
5	22/07/2020	Gauss law and its applications	https://youtu.be/Fq8fl7znW6M	38
6	23/07/2020	Electric potential	https://youtu.be/Cey8ZF4FrdI	39
7	24/07/2020	Introduction to Magnetostatics	https://youtu.be/VrApvkzdzkI	34

8	25/07/2020	Ampere's law	https://youtu.be/hXXEJX7MwwQ	36
9	27/07/2020	Electromagnetic induction	https://youtu.be/woHE6Q6kG3A	33
10	28/07/2020	Introduction to Maxwell's equations	https://youtu.be/wxpGJFGpJBo	38
11	29/07/2020	Maxwell equations & Electromagnetic waves	https://youtu.be/jhlqJKwqfFM	48
12	30/07/2020	Monochromatic aberrations	https://youtu.be/8jmP7mjxCeo	54
13	31/07/2020	Chromatic aberrations	https://youtu.be/usnT2T2F_9M	40
14	03/08/2020	Vector operators- grad, div and curl	https://youtu.be/1d2FZvGObUQ	38
15	04/08/2020	Stoke's theorem	https://youtu.be/VGIHaONiPhc	43
16	05/08/2020	Gauss divergence theorem	https://youtu.be/xNYqtZAIJ64	45
17	06/08/2020	Green's theorem	https://youtu.be/8w9zO57TWU8	36
18	07/08/2020	Introduction to crystal structure	https://youtu.be/16E-w-Da1LQ	43
19	10/08/2020	Symmetry in crystals	https://youtu.be/aLEPKlmj7cY	49
20	20/08/2020	Bravais lattice	https://youtu.be/qdAG9YguO_Q	52
21	21/08/2020	Miller indices	https://youtu.be/qBqKyo9_t1c	45
22	24/08/2020	Reciprocal lattice, Brillouin zones	https://youtu.be/vAbH-yDK0Wk	47
23	25/08/2020	Structure factor	https://youtu.be/vouY_lZkm3w	50
24	26/08/2020	Lattice vibrations - phonon	https://youtu.be/Twe7KUw0sS4	29
25	01/07/2021	Waves and their characteristics	https://youtu.be/PMb38_54lSY	15
26	02/07/2021	Introduction to Optics	https://youtu.be/t6FuKvT5nX0	13
27	03/07/2021	Coherence and types of Interference	https://youtu.be/9duwbYZV7Dc	18

15. Awards and Recognition **:** As BOS member in GDC(W), Begumpet for the academic year 2019-20

DONTHULA SUMALATHA
M.Sc (Physics), (Ph.D.)
Contract Lecturer in Physics
GDC (W), Gajwel
E-mail : **suma.donthula@gmail.com**
Contact No.:**9985159946**

1. **Name** : D.SUMALATHA
2. **Department** : PHYSICS
3. **Designation** : Contract Lecturer
4. **Educational Qualifications** : M.Sc. B.Ed., (Ph.D.)

- **M.Sc** in **Opto Electronics**
  - From AV post graduate centre, OU.
  - Scored an overall aggregate of **78.4%**
  - During 2005-2007.
- **B.Ed**
  - From A.P. College of Education, Duddeda
  - Scored overall aggregate of **70%**
  - During 2003-04
- **B.Sc** in **Maths - Physics – Chemistry**
  - from Indira Women's Degree College, Siddipet
  - affiliated to OU, Hyderabad,
  - secured an overall aggregate of **69.4%**
  - During 2000-2003.
- **Intermediate**
  - from Grurukrupa Junior College, Siddipet
  - Board of Intermediate, Andhra Pradesh,
  - Secured an aggregate of **65.4%**
  - During 1998-2000.
- **SSC**
  - from Vivekananda Vidyalayam,Pandilla, Karimnagar
  - Board of Secondary Education**,** Andhra Pradesh,
  - Secured an aggregate of **68.33%**

5. Teaching experience:

- Working as Lecturer in Physics in GDC (W), Gajwel, Siddipet Dist., from 17/07/2018 to till date.
- Worked in GDC, Alair, Nalgonda Dist., as a Lecturer in Physics 02/12/2008 to 30/06/2018
- Worked in GDC (Autonomous), Siddipet, as a Lecturer in Physics from 12/10/2007 to31/03/2008

6. Journal Publications:

S. No	Title with Page No.	Name of the Journal	ISSN No.	Date & Period
1	Development of macro cyclic based Electrochemical Sensors for Copper	International Journal of Research and Applications Vloume-2 Issue-6,259-262	2349-0020	12-06-2015
2	Synthesis and Characterization of Novel Cation Exchange Adsorbent for the treatment of real samples for Metal ions	International Journal of Research and Applications Vloume-3 Issue-11,454-460	2349-0020	30-07-2016
3	Synthesis and Characterization of Titanium dioxide nano particles and nano composites with CdS	International Journal of Research and Applications Vloume-3 Issue-11,487-493	2349-0020	30-09-2016
4	Characterization of Bivalent Zn(II) and Cd(II) Nanoparticles/Nano composites by XRD	International Research Journal of Engineering and Technology Vloume-7 Issue-4, 341-344	2395-0056	12-04-2020
5	Association Constant and Free Energy Change Properties of Sodium Sterate in Aqueous CH_3OH & Aqueous DMSO Composition	International Journal of Research and Applications Vloume-2 Issue-26,1601-1604	2349-0020	30-07-2021

7. Workshops attended:

Sl.No.	Name of the workshop	Organized by	International/ National/ State	Date & Period
1	Network Theorem and Combination of Logic Gates by using Discrete Components	GDC(M),Gajwel	State level workshop	03/11/2018
2	Low cost models with simulations in undergraduate Physics practicals	GDC(A), Siddipet	State level workshop	07/03/2020

8. Online programmes attended:

Sl.No.	Name of the Program	Organised by	Date & Period
1	Emerging Applications of ICT Tools in Higher Education	Government Degree & P.G College, Gajwel	11/06/2020 to 13/06/2020
2	Research Methodology	Visaka Institute for Professional Studies	14/06/2020
3	cyber security , cyber crimes	Christu Jyothi Institute of Technology &Science, Jangaon	15/06/2020
4	Scilab	Geethanjali College of Engineering and Technology	16/06/2020
5	Emerging Trends in Sciences - Usage of Research Tools and Techniques	Vardhaman College of Engineering, Hyderabad	15/06/2020 to 20/06/2020
6	Skill development and competency enhancement for college teachers	Government Degree College, Parkal	17/06/2020 to 30/06/2020
7	Online QUIZ on "MODERN PHYSICS"	Nagarjuna government College(A), nalgonda.	27/6/2020
8	Faculty development programs on digital teaching tools	Government City College(A), Hyderabad	29/06/2020 to 05/07/2020
9	TSKC online QUIZ	NTR Government Degree College for Women, Mahabubnagar	05/07/2020
10	E-Quiz on SPECTROSCOPY	Government Degree College for Women, Gajwel	06 /07/ 2020
11	Sustainability of institutions of higher learning in the context of covid 19 challenges perspectives	Government Degree College, Narsampet	06/07/2020 to 11/07/2020
12	Hurdles and Solutions in Research Avenues	Tara Government Degree College(A), Sangareddy	13/07/2020 to 26/07/2020
13	Personality Development & Innovative Pedagogies	Christu Jyothi Institute of Technology &Science	03/08/2020 to 07/08/2020

14	Dielectric materials and their characterization studies in the microwave frequency region	Vignan's Institute of Management & Technology for Women, Hyderabad.	14/08/2020

9. You Tube video uploaded:

Sl. No.	Date	Topic	Youtube link	Duration
1	16-07-2020	Basics of semiconductors	https://youtu.be/afpg-VVX6cY	20
2	17-07-2020	Types of semi conductors	https://youtu.be/u6zwS4tfVzc	20
3	18-07-2020	PN Junction diode	https://youtu.be/xVb7WaT9wh8	21
4	21-07-2020	Zener diode	https://youtu.be/MtVCM6G88tE	21
5	22-07-2020	Transistors	https://youtu.be/5h6DT30MtWo	25
6	23-07-2020	Types of Transistors	https://youtu.be/H8mqmiBBr4o	24
7	24-07-2020	Transistor configurations	https://youtu.be/p-hk7x9s3To	20
8	25-07-2020	Gain factors	https://youtu.be/AUfNA7CWW6g	23
9	27-07-2020	Electric flux	https://youtu.be/IuCGPJ5JUZk	30
10	28-07-2020	Gauss law	https://youtu.be/LSwEQNbeC4Y	28
11	29-07-2020	Electric field due to charged spherical distribution	https://youtu.be/P2PQFTCfgWg	34
12	30-07-2020	Electric field due to charged cylinder	https://youtu.be/TSlfsK4WxRA	26
13	31-07-2020	Plane, linear charge distribution	https://youtu.be/xVb7WaT9wh8	25
14	03-08-2020	Conservation of E, differential form of gauss law	https://youtu.be/jxInePN9IJA	25
15	04-08-2020	Electric potential	https://youtu.be/77r-v3vd2x8	28
16	05-08-2020	Potential energy	https://youtu.be/X8ArIP7HKEY	27
17	06-08-2020	Potential due to spherical charge distribution	https://youtu.be/O5YwFI4js64	25
18	07-08-2020	Biot Savart law	https://youtu.be/U1u6PvsvzJ0	30
19	10-08-2020	Ampere law, divergence of B	https://youtu.be/CUTj_7FWJ44	25
20	12-08-2020	linear, circular, solenoid M.F	https://youtu.be/-	27

			ymX46_x0CQ	
21	13-08-2020	Energy stored in M. F., magnetic force between two current carrying conductor	https://youtu.be/ri3Y4k9xD0w	32
22	14-08-2020	Moving coil Galvanometer	https://youtu.be/fcvOP8DvGYQ	20
23	17-08-2020	Faraday laws, Lenz law	https://youtu.be/eQGT9eoHTvk	26
24	18-08-2020	Self induction, mutual induction	https://youtu.be/1zQMexQ6hpA	29
25	19-08-2020	Continuity equation, modification of Ampere's law	https://youtu.be/_BAqwNFXZm0	20
26	20-08-2020	Maxwell Equations in electro magnetism	https://youtu.be/pF8puWLxyAs	20
27	21-08-2020	Maxwell Equations in vacuum	https://youtu.be/y1aApPlK6lU	24
28	24-08-2020	Maxwell Equations in free space	https://youtu.be/ilQhYudQv-s	20
29	25-08-2020	Plane wave equation, transverse nature of electromagnetic waves	https://youtu.be/9b82hykb-0g	27
30	26-08-2020	Linear, circular, elliptical polarisation	https://youtu.be/H6vBu2g-DiM	28
31	05-05-2021	Semiconductors	https://youtu.be/hqweK1er0uA	17
32	06-05-2021	ABCD Parameters	https://youtu.be/7LfGamTplIc	18
33	07-05-2021	Y-Parameters	https://youtu.be/DiXcQlPrFS0	21
34	10-05-2021	H parameters	https://youtu.be/oQDLg7SHF-0	20
35	11-05-2021	Thevenin's Theorem	https://youtu.be/2jsSv6_Onhs	17
36	12-05-2021	Norton's Theorem	https://youtu.be/1nL9BBOG1F8	21
37	13-05-2021	Thevenin's Theorem problems	https://youtu.be/ZA7Oex8QAsU	19
38	17-05-2021	Two Port Network	https://youtu.be/ZYLehYAjiJw	21
39	18-05-2021	Maximum Power Transfer Theorem	https://youtu.be/j4mQQJtVVHk	31
40	19-05-2021	Z-Parameters	https://youtu.be/Ru-ajTT_qIM	23
41	20-05-2021	Band Theory	https://youtu.be/8_ojIFw_URc	27
42	21-05-2021	Diodes	https://youtu.be/VDy1V36czko	19
43	22-05-2021	Diodes Characteristics	https://youtu.be/fMKJYW4BC_M	24
44	24-05-2021	Transistors	https://youtu.be/pIKoGYAx9oU	17

45	25-05-2021	Types of Transistors	https://youtu.be/B3cEqM163Mw	21
46	26-05-2021	Transistors Configurations	https://youtu.be/muAVZB5kgaU	23
47	27-05-2021	CE Configuration	https://youtu.be/85j4VIPblhg	17
48	28-05-2021	Digital Electronics	https://youtu.be/6bAuy2qTWKo	17
49	29-05-2021	Number System	https://youtu.be/Mmrzy09WzTQ	29
50	31-05-2021	Logic Gates	https://youtu.be/swsPjgIGOWQ	18