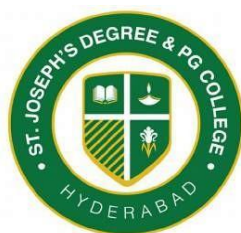


ST. JOSEPH'S DEGREE & PG COLLEGE
(Autonomous), Affiliated to Osmania University
Re-accredited by NAAC (3rd Cycle)
King Koti Road, Hyderabad.

DEPARTMENT OF PHYSICS & ELECTRONICS



SEMESTER REPORT 2022-23

Head

DR.M. SRAVAN KUMAR

Principal

Fr. Dr. D. SUNDER REDDY

Prepared By

Dr. SRAVAN KUMAR.M



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ABOUT ST. JOSEPH'S COLLEGE

About St. Joseph's College

St. Joseph's Degree & PG College, an autonomous college, affiliated to Osmania University was established by Hyderabad Archdiocese Educational Society (HAES) in the year 1997. The Archdiocese of Hyderabad has a glorious legacy of serving the people in the field of Education, Social Development and Health, apart from its religious activities for over 150 years.

The Archdiocese established HAES in the year 1983 as a separate Educational Society. It now has 24 Institutions under its realm including St. Joseph's Degree & PG College which is marching ahead on the path of Excellence under the visionary leadership of our Chairman **Most Rev. Dr. Poola Anthony** Archbishop of Hyderabad.

The college offers a wide range of UnderGraduate and Post Graduate Courses in Science, Commerce, Management, Mass Communication and Journalism under the dynamic leadership of our principal **Fr. Dr. D. Sunder Reddy**. St. Joseph's Degree and PG College, a leading name in the field of higher education, has earned several top prestigious rankings is re-accredited by NAAC (3RD Cycle) for its "Distinctive educational environment", which pays a shared focus on developing social and ethical values among the students, while equipping them with right knowledge and skills to meet the dynamics of the global market. One of the most prestigious affiliates to Osmania University, the college has deployed the academic flexibility of its Autonomous status to package a unique educational programme that is framed in collaboration with top notch academicians and industry experts to embrace the emerging trends in academics and industry. Apart from these several value add-on modules-certificate courses, life skills and job skills ensure that there is a wholesome learning designed to empower and nurture leaders of the future.

Accolades:

St. Joseph's college is consistently ranked among the top 10 Science Colleges in the twin cities of Hyderabad & Secunderabad and among top 50 colleges at all India level by print & electronic media.

About the Department of PHYSICS & ELECTRONICS

The Department of Physics & Electronics was established in the year 1997 with the objective of popularizing Mathematics among the students and to encourage research in mathematics, to strengthen the inculcated basic concepts of mathematics to students, to enhance the arithmetic ability of students. The department designed the curriculum for the existing courses to suit the emerging needs of the students.

Faculty of Science was established since the inception of the college in 1997 with a vision to inculcate scientific temperament and futuristic thinking in students, by providing them with extensive and diverse knowledge in the mathematical sciences, and to conduct cutting-edge research in the mathematical sciences. St. Joseph's college is consistently ranked among the top 3 Science Colleges in the twin cities of Hyderabad. The Department offers Under Graduate programmes which are innovatively designed and updated to keep pace with global trends in academics and industry. The Department emphasizes on experiential learning through various innovative methodologies which include industrial visits, seminars, workshops, guest lectures, exhibitions, mini projects for the holistic development of the students. Our laboratories also reflect the unique dichotomy of our curricula with general-purpose ones for core subjects and several specialized ones such as Data Analytics lab, Software Engineering Lab, SPSS Lab, Microprocessor & Micro Controller Lab, Digital & Analog Lab. Physics and Optics Lab. Access to such laboratories is provided to students and faculty on all working days. 4 A variety of extra-curricular activities brings science undergraduates together, too. We have Computer Club, Math Club and Science Club working actively since years to build the gap between the technology innovation and learning perspective. The strengths of the Departments are its quality faculty, innovative and flexible curricula with their unique focus on post-graduate education and employability, state-of-the-art facilities with remarkably high and open transparent policies that foster a healthy student-faculty interaction.

VISION

To promote knowledge based Citizens with Scientific temperament and futuristic thinking.

MISSION

- ☐ To explore the functional & realistic aspects of the subjects.
- ☐ To provide practical exposure to industry.
- ☐ To foster employability skills.
- ☐ To inculcate zeal among students to go beyond the curriculum and develop innovative ideas.
- ☐ To build life skills through value-based education and service-oriented programs

The Department is renowned for cutting edge state-of-the-art and quality education since its inception. The Department is also known for facilitating the quality education to the highest and conducting various curricular and extra-curricular activities to make students excel in every field of study, through Interaction with Industry Academia Meet(IAM), Board of Studies, Bridge Courses, Value-added Courses, Experiential Learning, Certificate Courses, Seminars & Guest Lectures, Peer group learning, Problem Solving Skills and Social Service Activities.

A variety of extra-curricular activities brings science undergraduates together, too. We Science Club working actively since years to build the gap between the technology innovation and learning

perspective. We organized and took part in seminars and guest lecturers, mini projects exhibitions and competitions for students and faculty.

The strengths of the Departments are its high quality faculty, innovative and flexible curricula with their unique focus on post-graduate education and employability, state-of-the-art facilities with remarkably high and open transparent policies that foster a healthy student-faculty interaction.

Our laboratories also reflect the unique dichotomy of our curricula with general-purpose ones for core subjects and several specialized ones such as Microprocessor & Micro Controller Lab, Digital & Analog Lab. Physics and Optics Lab. Access to such laboratories is provided to students and faculty on all working days.

Alumni of our B.Sc programs land jobs at top technology companies—such as Google, Infosys, Wipro, Microsoft, MRF, CAPGEMINI, TECH MAHINDRA, TCS ,etc. are hired by major employers in the financial, entertainment, health care, or defense industries, among others.

Department of Science

1. 3rd Best Science College in Hyderabad by “**India Today**” 2022.
2. 3rd Best Science College in Hyderabad by “**Group-MDRA Survey**”, 2021-
3. 3rd Best Science College in Hyderabad City by “**India Today, Nielsen Survey**”, May 2020.
4. 68th Best Science College in India by “**India Today Nielsen Survey**”, May 2020.
5. Ranked 49th BEST SCIENCE College in India by “**The Week-Hansa Research Survey in**”, June 2019.
6. Ranked 5th Top Emerging College of this Century in India by “**India Today, Nielsen Survey**”, 18th May 2019
7. Ranked 3rd among the BEST SCIENCE Colleges in Hyderabad city by “**India Today, Nielsen Survey**”, 18th May 2019
8. 49th Best Science College in India by “**India Today, Nielsen Survey**”, May 2018.
9. 3rd Best Science College in Hyderabad City by “**India Today, Nielsen Survey**” May 2018.
10. 39th Best Science College in India by “**India Today, Nielsen Survey**”, May 2017.
11. 3rd Best Science College in Hyderabad City by “**India Today, Nielsen Survey**”, May 2017.
12. 1st Best emerging Science College in India by “**India Today, Nielsen Survey**”, 30th May 2016.
13. 7th Best Science College in Hyderabad City by “**India Today, Nielsen Survey**”, 30th May 2016
14. 3rd Best emerging Science College in India by “**India Today, Nielsen Survey**”, June 2015.
15. 9th Best Science College in Hyderabad City by “**India Today, Nielsen Survey**”, June 2015.

Details of Faculty, Qualifications & Experience

S. No	Name	Qualifications	Designation	Experience
1	Dr. M. Sravan Kumar	M.Sc. B.Ed., MBA., Ph.D	Associate Professor	25
2	Mr.R.Ashok Kumar	M.Sc.(AE),UGC-Net	Assistant Professor	17
3	Dr. D. Padmashree	B.Tech. M.Tech.,Ph.D	Assistant Professor	11

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Department of Physics & Electronics

Workload Statement - [2022-23]- Semester-I, III & V

S. No	Name	Course	Sem	Subject	Theory	Practical	M/P/R	Total
1	Dr. M. Sravan Kumar	III B.Sc (MPCs)	V	Physics - 5 (Modern physics)	4	2		21
		III B.Sc (MPCs)	V	SEC-Applied Optics	2			26
		II B.Sc (MPCs)	II	Physics-III (Thermodynamics)	5	2		
		I B.Sc (MPCs)	I	Physics-I (Mechanics & Oscillations)	5	2		
		III /II B.Sc(MPCs)	V/III	Project/ Mentoring/Research			4	
2	Mr.R.Ashok Kumar	III B.Sc (MPCs)	V	Physics-6 (Solid State Physics)	4	2		
		III B.Sc (MECs)	V	Electronics-5 (Digital Electronics)	4	2		
		II B.Sc (MECs)	III	Electronics-3 (Analog circuits)	5	2		

		III B.Sc (MECs)	V	SEC(Basic Arduino Programming)	2			
3	Dr. D. Padma Shree	III B.Sc (MECs)	V	Electronics-6 (8051-Microcontroller)	4	2		
		II B.Sc (MECs)	III	Electronics-3 (Analog circuits)	5	2		
		III B.Sc (MECs)	I	Electronics-1 (Circuit Analysis)	5	2		
Principal								HOD
Fr. Dr. D. Sunder Reddy								Dr. SRAVAN KUMAR.M

Faculty Roles & Responsibilities in Department

S. No	Lecture –in- Charge	Responsibility
1	Dr. M. Sravan Kumar	Head & Program Coordinator for PHYSICS
		Class In-charge for first year B.Sc(MPCs)
		Physics Projects In-charge
		Convenor for the Examinations-(Examination Committee)
		Criteria In-charge - II & V
		Mentoring
		Staff welfare & Grievance committee member
		Science Club member
2	Mr.R.Ashok Kumar	Class In-charge for B.Sc MECs-II Years
		Time table coordinator for Science (B.Sc - All groups)
		Mentoring
		Science Club Coordinator
		Value added Course Committee member
		Infra-Structure and Lab maintenance committee member
3	Dr. D. PadmaShree	Class In-charge for B.Sc MECs-I Years
		Mentoring
		Departmental criteria in-charge for criteria-III & VI
		Research committee member

Departmental Contribution to Examination Branch

S. No	Name of the Faculty	Contribution to the Exam Branch
1.	Dr. M. Sravan Kumar	Paper Setter
		Evaluation of Scripts
		Moderation
		Re-evaluation of Scripts
		Practical examination conduction & evaluation
		Examinations planning and organizing for internal and external.
		Result Analysis of respective Subjects
2	Mr.R.Ashok Kumar	Paper Setter
		Evaluation of Scripts
		Moderation
		Re-evaluation of Scripts
		Result Analysis of respective Subjects
		Squad member for external examinations
		Internal examination invigilation
3	Dr. D. PadmaShree	Internal examination invigilation
		Evaluation of Scripts

Faculty Achievements

S .No	Name of the Faculty	Achievement
1.	Dr. M. Sravan Kumar	<ul style="list-style-type: none"> a. Awarded Doctorate Degree in Physics from Osmania University b. Published a Book chapter on Fundamentals of Material Science & Developments. c. Editorial Board member for the book entitled Scientific Computational Tools, Techniques and advanced Material Research. d. Influence of Dy doping on Structural, Magnetic and Optical properties of Ni-Zn Ferrites- Communicated to ECS journal of solid state sciences and technology. e. "Published paper title "Using PIR sensor embedded GUI for ROBOT to guide smart visitor"-International conference on innovation & advances in interdisciplinary research http://proceeding.conferenceworld.in/ICIAIR-2022/728112022M745.pdf- ISBN: 978-93-91535-29-2
2.	Mr.R.Ashok Kumar	Published a Book chapter on Fundamentals of Material Science & Developments in Scientific Computational Tools, Techniques and advanced Material Research
3.	Dr. D. PadmaShree	Published a Book chapter on Fundamentals of Material Science & Developments in Scientific Computational Tools, Techniques and advanced Material Research



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Revised Almanac for Under Graduate (UG) Odd Semesters I, III & V Academic Year 2022 - 2023

S. No.	Details	Date, Month & Year
1.	Commencement of Semester Classes for II nd & III rd Years	11 th July 2022 (Orientation)
2	Commencement of Semester – I Classes for I st Year	17 th August 2022 (Orientation)
3	Continuous Assessment Internal - I Examination for II nd & III rd Years	1 st Sept - 5 th Sept 2022
4	Continuous Assessment Internal - I Examination for I st Years	26 th Sept – 30 th Sept 2022
5	Dussehra Holidays	3 rd Oct - 8 th Oct 2022
6	Examination Notification	1 st Nov 2022
7	Continuous Assessment Internal - II Examination for I st , II nd & III rd Years	14 th Nov – 17 th Nov 2022
8	Internal Practical Examinations for II nd & III rd Years	7 th Nov – 12 th Nov 2022
9	Internal Practical Examinations for I st Year	19 th Nov – 22 nd Nov 2022
10	Submission of Examination Forms	
	a. Without Late Fee	7 th Nov – 12 th Nov 2022
	b. With Late Fee	14 th Nov – 17 th Nov 2022
11	External Practical Examinations for II nd & III rd Years	23 rd Nov – 30 th Nov 2022
12	Last date of Instruction	1 st Dec 2022
14	Preparation Holidays	2 nd Dec - 4 th Dec 2022
15	External Practical Examinations for I st Years	5 th Dec - 7 th Dec 2022
16	Odd Semester Theory Exams	8 th Dec – 23 rd Dec 2022
17	Christmas Holidays	24 th Dec 2022 – 1 st January 2023
18	College Re-open for Even Semester	2 nd January 2023

Note: Syllabus to be completed through Blended Mode



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HYDERABAD-500 029



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Department of Science
Academic Year 2022-23

Ref. No. SJC/08-07-2022/DS/01

Notice for Students

Orientation Programme for BSc(MPCs/MECs/MSCs) III Year Students

Date: 11-07-2022

Venue: Room No. 508

This is to inform B.Sc III year students that the orientation program is scheduled on 11-07-2022 from 8:30am to 1:15pm by respective HoDs to brief students about Campus culture, Academic culture and Department culture. It is mandatory for all the students to the programme.

Orientation Programme Schedule

8.30 am to 8.35 am	Prayer - By Rev. Fr. Prabhu Das
8.40 am to 9.30 am	By Head of the departments <input type="checkbox"/> College Culture <input type="checkbox"/> Academic Culture
9.30 am to 10.15 am	Orientation about the Department by Mr. D. Srinivas Reddy, Head, Department of Mathematics & Statistics

10.15 am to 11.00 am	Orientation about the Department by Mrs. M. Kiran Jyothi, Head, Department of Computer Science
11.00 am to 11.20 am	Break
11.30am to 12.15 pm	Orientation about the Department by Mrs. M. L. N. Rao, Head, Department of Physics & Electronics
12.15pm to 12.35pm	Orientation on Examinations by Prof. R. Anita, CoE.
12.35pm to 12.55pm	About placements by Ms. Swetha, Placement Officer.
12.55pm to 1.15pm	About Sports Dr. Sridhar Reddy, Physical Director

Dean Academics

Principal



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Department of Science
Academic Year 2022-23

Ref. No. SJC/08-07-2022/DS/01

Notice for Students

Orientation Programme for BSc (MPCs/MECs/MSCs) II Year Students

Date: 11-07-2022

Venue: Room No. 405/406

This is to inform B.Sc II year students that the orientation program is scheduled on 11-07-2022 from 8:30am to 1:15pm by respective HoD's to brief students about Campus culture, Academic culture and Department culture. It is mandatory for all the students to the Programme.

Orientation Programme Schedule

8.35 am to 8.40 am	Prayer - By Rev. Fr. Prabhu Das
8.40 am to 9.30 am	By Head of the departments <input type="checkbox"/> College Culture <input type="checkbox"/> Academic Culture
9.30 am to 10.15 am	Orientation about the Department by Mrs. M. Kiran Jyothi, Head, Department of Computer Science
10.15 am to 11.00 am	Orientation about the Department by Mrs. M. L. N. Rao, Head, Department of Physics & Electronics

11.00 am to 11.20 am	Break
11.30am to 12.15 pm	Orientation about the Department by Mr. D. Srinivas Reddy, Head, Department of Mathematics & Statistics
12.15pm to 12.35pm	About Sports Dr. Sridhar Reddy, Physical Director
12.35pm to 12.55pm	Orientation on Examinations by Prof. R. Anita, CoE.
12.55pm to 1.15pm	About placements by Ms. Swetha, Placement Officer.

Dean Academics

Principal



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Report of B.Sc (MPCs/MECs) II & III Year Orientation Programme



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Department of Physics & Electronics

Report on B.Sc (MPCs/MECs) II & III Year Orientation Programme

Date : 11th July 2022

Venue : Online Google Meet

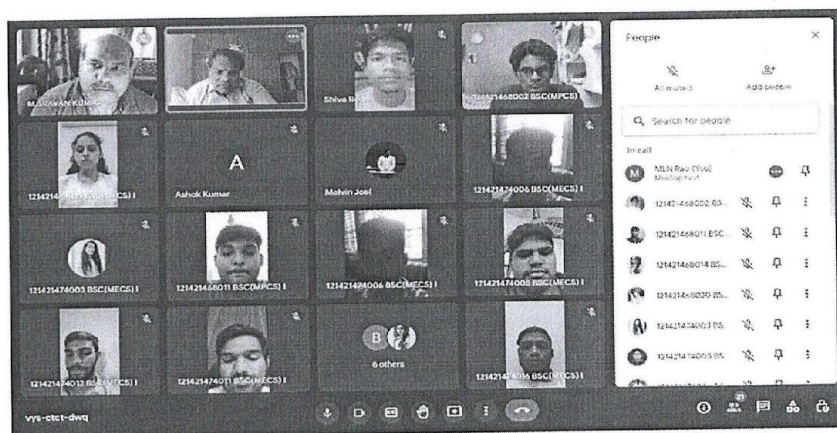
Time : 9:00 A.M – 1:00 P.M

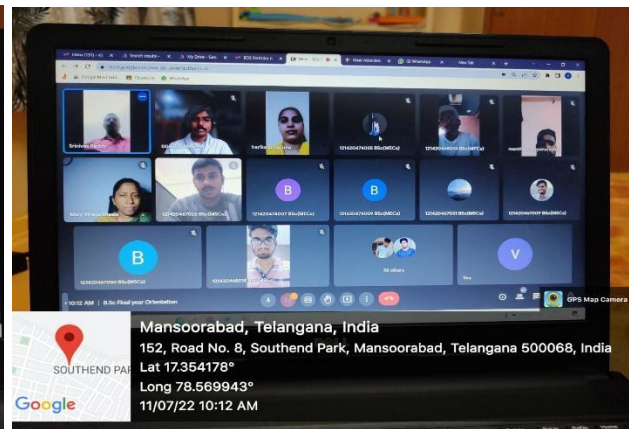
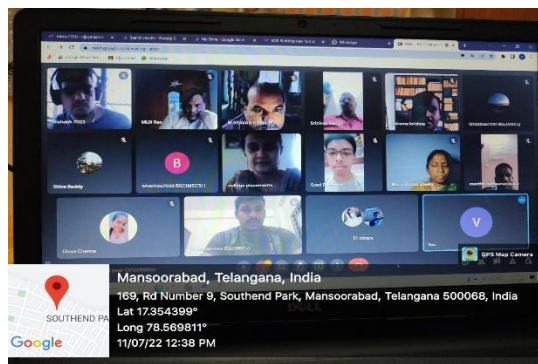
Organized by: Department of Physics & Electronics

Faculty Coordinators : Mr M L N Rao HoD, Mr. M. Sravan Kumar and Mr.R.Ashok Kumar

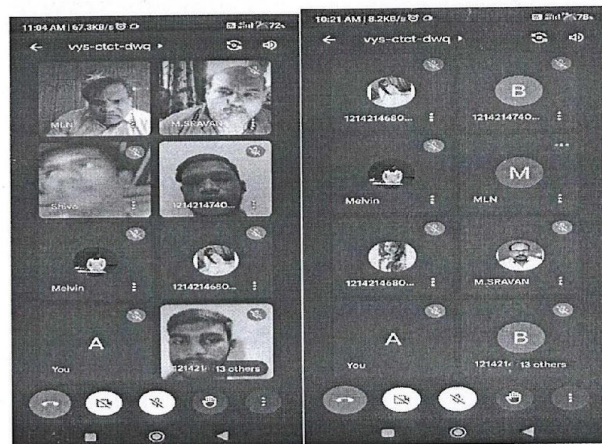
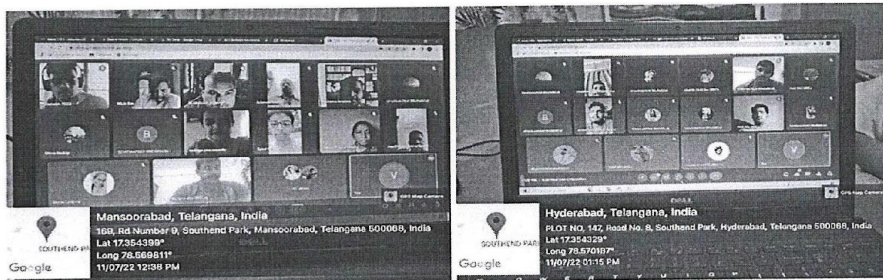
Target Group : II & III year students of B.Sc(M.P.Cs/M.E.Cs).


Report: The Orientation program to the second and final year students of B. Sc (MPCs & MECs) was conducted on 11th July 2022 on the first day of the College reopening. Mr. M. L. N. Rao, Head - Department of Physics & Electronics, oriented the students on campus culture, discipline, projects and academic planner for the semester. Mr.Sravan Kumar and Mr.Ashok Kumar oriented the students about their respective curriculum, and the significance of project to the final year students and Skill Enhancement Course to the second years. And also briefed the objectives and outcomes of the Courses briefly to the students.






Professor Anitha, Controller of Examination explained the process of the examinations and the importance of internal exams and marks. Dr. Sridhar Reddy Physical Director, oriented about selections, sports and tournaments conducted in the academic year.




M. L. N. Rao
Head, Department of Physics & Electronics


Principal
Fr. Dr. D. Sunder Reddy



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Department of Science

Induction Programme for B Sc (MPCs/MECs/MSCs) I Year Students

Date: 17-08-2022

Venue: Jubilee Hall

Induction Programme Schedule

(MC: **Mrs. Swathi**)

9.00 am to 9.10 am	Prayer Song
9.10 am to 9.20 am	Lighting of Lamp
9.20 am to 9.30 am	About the College - Video
09.30 am to 09.45 am	Address Mr. D. Srinivas Reddy, HoD, Dept of Mathematics & Statistics
9.45am to 10.00 am	Principal's Address – Fr. Dr. D. Sunder Reddy
10.00 am to 10.15am	Discipline & Monitoring Board
10.15am to 10.30am	Examination Process- Prof. R. Anitha
10.30am to 11.00am	Break
11.00am to 11.30am	Center for Skill Development – Mrs. Shanthi Kiran
11.30am to 11.45am	Centre for Social Transformation - Mrs. S. Vijayalaxmi.
11.45am to 12.00pm	Sports Dr. Sridhar Reddy, Physical Director
12.00 pm to 12.15pm	Extra-curricular Activities- Mrs. G. Savitha & Mrs. Rithika Waghray
12.15 pm to 12.30pm	Centre for Student Training & Progression

Principal

Fr. Dr. D. Sunder Reddy



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Department of Science
Academic Year 2022-23

Induction Programme for BSc(MPCs/MECs/MSCs) I Year Students

Date: 18-08-2022

Venue: Jubilee Hall

Induction Programme Schedule

MC: Mrs. S.Vijayalaxmi

9.00 am to 9.10 am	Prayer - By Rev. Fr. Prabhu Das
9.10 am to 9.40 am	Orientation about the Department by Mrs. M. Kiran Jyothi, Head, Department of Computer Science
9.40 am to 10.10 am	Orientation about the Department by Mr. D. Srinivas Reddy, Head, Department of Mathematics & Statistics
10.10 am to 10.30 am	Academic Clubs Maths & Stats Club/Power Bytes Club/Science Club
10.30 am to 11.00 am	Break
11.00am to 11:30am	Orientation about the Department by Mr. M. L. N. Rao, Head, Department of Physics & Electronics
11.30am to 11:45am	IIC – Dr. Anantha Laxmi
11:45am to 12:00 pm	Orientation - Department of English.
12.00am to 12:15pm	Orientation – Department of Second Languages.

Principal
Fr. Dr. D. Sunder Reddy



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Department of Physics & Electronics

Report Induction Programme for B. Sc (MPCs/MECs) I Year Students

Date: 17th-18th August 2022

Venue: Jubilee Hall, St. Joseph's College

Time: 9:00 A.M –12:50 P.M

Organized by: Head, M. L. N. Rao

Target Group: First year students of B.Sc (M.P.Cs/M.E.Cs)

Day-1

Prayer Song
Lighting of Lamp
About the College - Video
Address by HoD Mr. D. Srinivas Reddy, HoD, Dept. of Mathematics & Statistics
Principal's Address
Discipline & Monitoring Board
Examination Process
Break
Center for Skill Development – Mrs. Shanthi Kiran
Centre for Social Transformation - Mrs. S. Vijaya Laxmi
Sports Dr. Sridhar Reddy, Physical Director
Extra-curricular Activities- Mrs. G. Savitha & Mrs. Rithika Waghay
Centre for Student Training & Progression

The Purpose of the program was to help students to get adjusted and feel comfortable in the new environment at the same time to make them know the importance of Higher Education and its role in shaping their career. As it is one of the most challenging, yet fruitful phase in a student's life, which will make them to identify their dreams and building their career.

The programme started with the prayer song by college Choir students

Followed by Lighting the Lamp in virtual mode by M L N Rao, HOD, Department of Physics & Electronics

College Video played and addressed by Mr. D. Srinivas Reddy Head of the Department which included about the college culture and various activities

Mrs. R. Anitha, Professor, Controller of Examinations, explained the students about the Examination scheme for Internals and Externals SBTs viz. Skill based Tests. And she explained in detail about the procedures of Promotion to even semester to odd semester and about various certificates that would be issued to them at the end of their course including the semester memorandums.

Mr. B. Satyanarayana, convener of the Discipline & Monitoring Board, He explained the students about discipline in the college premises and culture of the college.

The Principal Fr. Dr. D. Sunder Reddy motivated and congratulated all the first year students for securing a seat in the prestigious Institution. He addressed the Students and emphasized them about the various opportunities to build their career after their degree. And he told about importance of “Confidence, Character and Certificate” and how the institution helps the students to gain all the three Core values.

Extra-curricular Activities- Mrs. RithikaWaghray, Explained about the various activities which will be conducted for the academic year

Centre for Student Training & Progression-Mrs. Dr. Geetanjali- Explained about writing profile, mentoring each student and semester wise progress.

Center for Skill Development – Mrs. Shanthi Kiran explained about the credit points and importance of certificate courses for their skill development.

Photos:





Day-2.

Prayer - By Rev. Fr. Prabhu Das
Orientation about the Department by Mrs. M. Kiran Jyothi, Head, Department of Computer Science
Orientation about the Department by Mr. MLN RAO, Head, Department of Physics & Electronics
Academic Clubs Mathematics & Stats Club/Power Bytes Club/Science Club
Break
Orientation about the Department by Mrs. M. L. N. Rao, Head, Department of Physics & Electronics
IIC – Dr. Anantha Laxmi
Orientation - Department of English.
Orientation – Department of Second Languages.

Mr. M.L.N.Rao , Head, Department of Physics & Electronics congratulated the students and spoke about the department and its activities, club activities and class room and laboratory guide lines. He also spoke about courses covered in semester wise.

Mr. M. Sravan Kumar, Senior Faculty of the department of Physics & Electronics spoke about the Physics and its opportunities. He spoke about the importance of students participating and conducting the club activities.

Mr. R. Ashok Kumar, Senior Faculty of the department of Physics & Electronics interacted with the students and explained about importance of regularity and practical's and simulations.

Centre for Social Transformation: Mrs. S.Vijayalaxmi, Convener,– Explained about JGG, JSR, JRC, NSR , NCC & Empowerment cells.

An Ice-breaking session was organized by B.Sc Final and Second Year students, wherein students participated enthusiastically.

Orientation: Mrs Aparna Rajan, HOD of Second Languages. Explained about different languages which can be chosen by the students as per their interest.

Photos:



Faculty Attended FDPs/ Conference/ Seminars/workshops

1	Dr.M.SRAVAN KUMAR	Work shop	Two day National Level Workshop on Recent Trends and Opportunities in Physics (Online),	10th and 17th April 2021	Department of Physics, School of Advanced Sciences, VIT-AP University, AP, India
2	Dr.M.SRAVAN KUMAR	FDP	Developing an Inclusive Curriculum:Guide for curriculum development and Evaluation Process	10th to 15th May, 2021.	St. Josephs Degree & PG College, Hyd.
3	Dr.M.SRAVAN KUMAR	FDP	Three day-"Digital Tools For Active Teaching, Evaluation and Research"	28.06.2021 to 30.06.2021 -	Department of Chemistry, Sri G.V.G.Visalakshi College for Women, Udumalpet, Tamil Nadu,
4	Dr.M.SRAVAN KUMAR	FDP	5-DAY-"Innovation, Incubation, start-ups and Research Challenges In India" organized by	29 June 2021 to 3 July 2021-	IQAC of St. Mary's Centenary Degree College, Secunderabad
5	Dr.M.SRAVAN KUMAR	FDP	One week international Faculty Development programme organized by	02-July-2021 to 08 July-2021-7	Dr BR Ambedkar College.
6	Dr.M.SRAVAN KUMAR	FDP	A webinar on optical solutions Theory and applications	Thursday 10th June 2021	The School of Physics, Dr. Vishwanath Karad MIT- World Peace University (MIT-WPU), Pune.
7	Dr.M.SRAVAN KUMAR	FDP	FDP on Recent Research Advances Materials: Water and Waste Water Treatment	2nd to 7th Aug 2021	Bharath Institute of Engineering & Technology

8	Dr.M.SRAVAN KUMAR	INTERNATIONAL CONFERENCE	Online international conference APPLIED Physics and Material Sciences (APMS-2021)	17-12-2021-19-12-2021-3 DAY	Department of Physics, Vasavi College of Engineering and Telangana Academy of Sciences (TAS),
9	Dr.M.SRAVAN KUMAR	FDP	7 day FDP on Exploring Dynamics of the CLASSROOM-NEP and NAAC Perspective	20-01-2022 to 28-01-2022	Internal Quality Assurance Cell(IQAC) , ST.PAULS COLLEGE,BANGULURU
10	Dr.M.SRAVAN KUMAR	FDP	7 Days on line FDP programme on 'National Education Policy-2020	09th Feb TO 16th Feb 2022	ST.JOSEPH'S DEGREE&PG COLLEGE
11	Dr.M.SRAVAN KUMAR	FDP	5day National level FDP on Methods of Material synthesis	18th to 22nd of January-2022	Department of Physics&Electronics Bhavan's Vivekananda College, under-STAR COLLEGE SCHEME
12	Dr.M.SRAVAN KUMAR	FDP	06 Day National Level Online Faculty Development Program on Outcome Based Education	25th April 2022 to 30th April 2022.	IQAC of St.Joseph's Degree &PG College (Autonomous) College in association with IPSR Solutions limited
13	Dr.M.SRAVAN KUMAR	FDP	Student-centric Methods and its Documentation	19th April,2022	Department of commerce and IQAC St.Joseph's Degree &PG College
14	Dr.M.SRAVAN KUMAR	FDP	DELNET: Resources &Services	28th January, 2022	St. Xavier's College of Mgmt. &Tech., Patna
15	Dr.M.SRAVAN KUMAR	WORK SHOP	One day work shop on Best practices for Quality Enhancement organized by IQAC, St. Joseph's Degree &PG College in association with Christ University, Bangalore on 16th March 2022	16th MARCH,2022	IQAC St.Joseph's Degree &PG College in association with Christ University,Bangalore
16	Dr.M.SRAVAN KUMAR	FDP	Research avenues and challenges in Industry 4.0	31-01-2022 to 4-02-2022	(under PMMMNMTT Scheme) in collaboration with the School of MechanicalEngineering of Shri mata vaishno Devi University,Katra.
17	Dr.M.SRAVAN KUMAR	FDP	Modern strategies in Physics Research:Ensuring	28-JUNE 2022 TO 2 JULY-2022	Dept of Physics,Faculty of Science,SGT University,Gurugram,Delhi

			Sustainable Development(MSPR-ESD)		
18	Dr.M.SRAVAN KUMAR	National Conference	National Level on Conclave Strategy Planning & Way forward	05-11-2022	IQAC
19	Dr.M.SRAVAN KUMAR	Awareness / Training Program	National Intellectual Property Awareness Mission	26-10-2022	Govt. of India, Ministry of Commerce & Industry.
20	Dr.M.SRAVAN KUMAR	FDP	FDP on Project proposal to Governmnet Funding Agencies - SERB-SURE & DST on 30th August 2022	30th August 2022	Dept. of Mathematics & Statistics
21	Dr.M.SRAVAN KUMAR	WORKSHOP	ONE DAY FACULTY WORKSHOP ON OBE	27-08-2022	Dr. V. Radhika Devi
22	Dr.M.SRAVAN KUMAR	FDP Cum Workshop	Two Day FDP Cum Workshop on MATLAB	2nd & 3rd August 2022 from 1.30 PM to 5.00 PM	Department of Mathematics & Statistics
23	Dr.M.SRAVAN KUMAR	SEMINAR	PROQUEST-Exploring Proquest Resource for Academic Research & Learning	19-07-2022	IQAC
24	Dr.M.SRAVAN KUMAR	WORKSHOP	“Academic Integrity & Prevention of Plagiarism”	16-07-2022	Dept. of Business Management
25	Dr.M.SRAVAN KUMAR	FDP	ACADEMIC EXCELLENCE - A HOLISTIC APPROACH	06-07-2022	IQAC
26	Dr.M.SRAVAN KUMAR	Awareness / Training Program	National Intellectual Property Awareness Mission	06-07-2022	Govt. of India, Ministry of Commerce & Industry.
27	Dr.M.SRAVAN KUMAR	FDP	National level Online Faculty Development Program on Outcome Based Education	25th to 30th April 2022	IQAC, St. Joseph's Degree and PG College, Hyderabad.
28	Dr.M.SRAVAN KUMAR	FDP	Effective Pedagogy for Science	29th Nov 2022 to 3rd Dec 2022	IQAC, St. Joseph's Degree and PG College, Hyderabad.
29	Dr.M.SRAVAN KUMAR	SEMENAR	A National Seminar on NIRF - A Methodology for	3rd December 22	IQAC, St. Joseph's Degree and PG College, Hyderabad.

			Ranking of Higher Education Institutions in India ,In association with SJC&TSCHE		
30	Dr.M.SRAVAN KUMAR	workshop	National Level Workshop on Ethics and Research Methodology	28-30th Nov 22	Psychology dept., St. Joseph's Degree and PG College, Hyderabad.
31	Dr.M.SRAVAN KUMAR	workshop	NEP 2020-National Conclave on Strategic Planning and Way forward	5th November 2022	Joseph Hall St. Joseph's Degree and PG College, Hyderabad.

1	MLNRAO	FDP	ACADEMIC EXCELLENCE - A HOLISTIC APPROACH	06-07-2022	IQAC
2	MLNRAO	SEMINAR	PROQUEST-Exploring Proquest Resource for Academic Research & Learning	19-07-2022	IQAC
3	MLNRAO	WORKSHOP	“Academic Integrity & Prevention of Plagiarism”	16-07-2022	Dept. of Business Management
4	MLNRAO	WORKSHOP	ONE DAY FACULTY WORKSHOP ON OBE	27-08-2022	Dr. V. Radhika Devi
1	R. Ashok Kumar	National Conference	National Level Conclave on Strategy Planning & Way forward	05-11-2022	IQAC
2	R. Ashok Kumar	Awareness / Training Program	National Intellectual Property Awareness Mission	26-10-2022	Govt. of India, Ministry of Commerce & Industry.
3	R. Ashok Kumar	FDP	FDP on Project proposal to Governmnet Funding Agencies - SERB-SURE & DST on 30th August 2022	30th August 2022	Dept. of Mathematics & Statistics
4	R. Ashok Kumar	WORKSHOP	ONE DAY FACULTY WORKSHOP ON OBE	27-08-2022	Dr. V. Radhika Devi

5	R. Ashok Kumar	FDP Cum Workshop	Two Day FDP Cum Workshop on MATLAB	2nd & 3rd August 2022 from 1.30 PM to 5.00 PM	Department of Mathematics & Statistics
6	R. Ashok Kumar	SEMINAR	PROQUEST-Exploring Proquest Resource for Academic Research & Learning	19-07-2022	IQAC
7	R. Ashok Kumar	WORKSHOP	“Academic Integrity & Prevention of Plagiarism”	16-07-2022	Dept. of Business Management
8	R. Ashok Kumar	FDP	Academic Excellence - A Holistic Approach	06-07-2022	IQAC
9	R. Ashok Kumar	Awareness / Training Program	National Intellectual Property Awareness Mission	06-07-2022	Govt. of India, Ministry of Commerce & Industry.
10	R. Ashok Kumar	FDP	National level Online Faculty Development Program on Outcome Based Education	25th to 30th April 2022	IQAC, St. Joseph's Degree and PG College, Hyderabad.
11	R. Ashok Kumar	FDP	One day online FDP on Student Centric Methods and its documentation.	19th April, 2022	Department of Commerce and IQAC, St. Joseph's Degree and PG College, Hyderabad.
12	R. Ashok Kumar	Workshop	One Day Workshop on Best Practices on Quality Enhancement	16th March 2022	IQAC St. Joseph's degree & PG College
13	R. Ashok Kumar	FDP	One Week Faculty Development Programme on Recent Advancements and Emerging Technologies in the Area of Education and Research	3rd to 9th Feb 2022	IIMT College of Management, Greater Noida UP
14	R. Ashok Kumar	Workshop	Workshop on National Level Short term training on practical approach to Intellectual Property	15th to 17th Nov 2021	St. Joseph's Degree and PG College
15	R. Ashok Kumar	FDP	Seven days Online FDP on "National Education Policy"	9th - 16th February, 2022	IQAC, St. Joseph's Degree and PG College, Hyderabad.

16	R. Ashok Kumar	FDP	Five day online FDP on "Research Avenues and Challenges in Industry 4.0"	31st Jan to 4th Feb, 2022.	Faculty Development Centre in Collaboration with the School of Mechanical Engineering of SMVD University, Katra, Jammu.
17	R. Ashok Kumar	FDP	7 Day Faculty Development Programme on Exploring Dynamics of the Classroom-NEP & NAAC Perspectives	20th Jan to 28th Jan 2022	IQAC, St.Paul's College, Bengaluru
18	R. Ashok Kumar	FDP	5day National level FDP on Methods of Material synthesis	18 -22-january-2022	Department of Physics & Electronics Bhavan's Vivekananda college, Sainikpuri, Secunderabad under-STAR COLLEGE SCHEME
19	R. Ashok Kumar	Seminar	Two Day Webinar on Basics of Research and Funding Agencies, Organized by Research & Training Cell,	12th & 13th August, 2021	St. Joseph's Degree & PG College, King Koti, Hyderabad.
20	R. Ashok Kumar	FDP	International Education Forum 2021-22 on National Education Policies (NEP) & Science, Technology and Innovation Policies (STIP): Trends and Challenges.	2nd to 6th August, 2021	Department of Business Management, St. Joseph's Degree & PG College, King Koti, Hyderabad.
21	R. Ashok Kumar	Training / Awareness Program	One week On-line Teachers Training on "Cyber Safety and Security"	26th to 31st July 2021	Information Security and Education Awareness (ISEA), Ministry of Electronics & Information Technology (MeitY), Govt. of India.
22	R. Ashok Kumar	Seminar	4 Day National Webinar On "Understanding Research Methodology and Developing Research Paper Writing Skills".	21st to 24th July, 2021	ST. MARY'S CENTENARY DEGREE COLLEGE, Secunderabad
23	R. Ashok Kumar	WORKSHOP	"Academic Integrity & Prevention of Plagiarism"	16-07-2022	Dept. of Business Management

24	R. Ashok Kumar	FDP	Five Day online FDP on "Innovation, Incubation, start-ups and Research Challenges in India"	29 June 2021 To 3 July 2021	IQAC of St. Mary's Centenary Degree College, Secunderabad
25	R. Ashok Kumar	FDP	Developing an Inclusive Curriculum: Guide for curriculum development and Evaluation Process	10th to 15th May, 2021.	St. Josephs Degree & PG College, Hyd.
26	R. Ashok Kumar	Work shop	Two day National Level Workshop on Recent Trends and Opportunities in Physics (Online),	10th and 17th April 2021	Department of Physics, School of Advanced Sciences, VIT-AP University, AP, India



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King Koti Road, Hyderabad

Report on Bridge Course

Academic year 2022-23

B. Sc I Year-(MECs/MPCs)

Name of the Faculty: Dr.D. Padmashree

The main objective of the Bridge Course test is to bridge the gap between the subjects they have studied at their basic and intermediate level and the subjects they would be studying in graduation which helps them to study their core subjects easily. After the commencement of the classes the diagnostic test is conducted. The test was conducted on 19.09.2022 for B. Sc first year students on the subject of Physics and Electronics which includes the concepts of electricity and capacitors,, semiconductors, Mechanics, Magnetism, heat, optics, etc ., A total of 40 students from , 07 students from B. Sc (MPCs), 15 students from B. Sc (MECs) attended for this test. After the completion of this test students have been guided with some suggestions for improvisation by planning Bridge Course for the students who secured below 10 marks out of 25 marks from 19.09.2022 to 23.09.2022 then followed by the Bridge Course test on 26.09.2022. After the test there was improvement in the students' performance and secured more than 12 marks.

Outcome:

The students got benefitted by the bridge course by improving their fundamentals.

HoD

Mr. MLN RAO

Principal

Fr. Dr. D. Sunder Reddy



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BSc MPCs - FINAL YEAR 2022-23

A Report on FIELD VISIT TO ARCI (INTERNATIONAL ADVANCED RESEARCH CENTRE FOR POWDER METALLURGY AND NEW MATERIALS)

OBJECTIVE OF THE EVENT: To introduce, educate and create awareness among students on different aspects of nanomaterial, metallurgy and solar energy.

OUTCOME OF THE EVENT: Created interest and motivated the students to pursue research in future.

DATE & TIME: 24th August 2022 9:00am to 3:00pm

VENUE: ARCI, RCI road, Balapur Airport Road, Balapur, Telangana.

TOTAL NO. OF PARTICIPANTS: 23

FACULTY CO-ORDINATOR: Dr M. Sravan Kumar

STUDENT CO-ORDINATORS: Mirza Rizwan Ali Baig, Alladi Adarsh Krishna, D. Gopi Krishna, G. Dinesh Kumar, A. Vamshi Reddy, Swamy Prithviraj.

TARGET AUDIENCE: Students of BSc MPCs final year

A BRIEF REPORT:

The field visit, planned by Dr M. Sravan Kumar, opened the eyes of students to the world of research, specifically in nanomaterials, Metallurgy and Solar Energy. It was a huge success in terms of introducing and educating students about the ongoing research, in ARCI, in the above-mentioned fields.

As mentioned above the students visited three departments/laboratories in the ARCI. Namely:

- 1) Nano-Material

- 2) Powder Metallurgy
- 3) Solar energy

The scientific instruments related to the production of different raw/final materials were demonstrated by the Scientists and PhD scholars of ARCI and they gave the students a brief about the principles of those complex scientific instruments. Students were welcomed with a warm speech from Assistant Director Dr RaviChandra.

Nano-material –

“Study of particles of the order of 10^{-9} is Nanotechnology. We are interested in such a small order the surface area is significantly greater” said the Scientist Dr DibyenduChakrawarty. The machine used for making Nanoparticles called Milling Machine was the first machine that was shown to the students. According to the scientist Dr DibyenduChakrawarty, the machine consumes more electrical power but is time efficient. The students were oriented on the different projects that the nanotechnology department is currently undertaking, including the tungsten alloy used in the making of many Indian missiles.

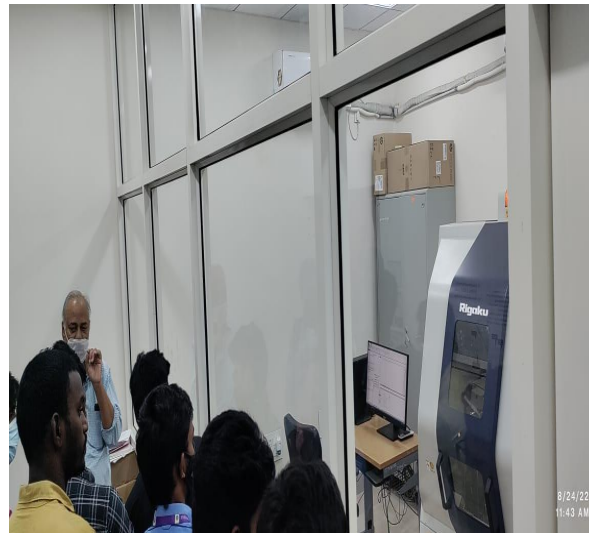
Then the Superplasma sintering methodology of joining the atoms or molecules together. “This method is more efficient than the conventional rolling method”, said the guide. The process of making aerogel which is used as a lightweight insulator in many industrial types of machinery was explained. The principle behind self-cleaning textiles was explained to the students. The making of LFP batteries and super capacitors was explained using the models and the drawbacks of the conventionally used li-ion battery were highlighted. The superconductor is made using carbon from coke and by burning jute.

Metallurgy –

The introduction and tour of the Metallurgy department were taken care of by senior scientist Dr Ravi. Metallurgy, the department where the structure of the matter, especially metals, is described using the grain structure of the metal. Different machines are used to grind and then polish the surface before observing it in the TEM (Travelling Electron Microscope) and SEM (Scanning Electron Microscope) and then the properties are characterized by the X-Ray Diffractometer (XRD), Macro Tensile Testing machine and Micro Tensile Testing Machine.

Solar Energy -

“On a large scale, Silica is used in solar panels, which is the first generation of solar panels. The third-generation solar panels use Perovskite, as it can be given a particular colour, aesthetically appealing, and they are more efficient.” said the PhD scholar. Perovskite, a compound of the form ABX_3 which is a chemically active substance, is coated with different layers which enhance the quality of the light entering the plate. It even converts the UV rays into the visible spectrum to increase the efficiency of every plate. Ongoing research focuses on making the plates more efficient by converting all the waves coming from the sun.





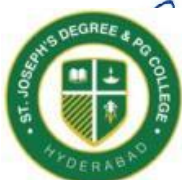
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Department of Physics & Electronics

Date: 03-08-2022

This is to inform to the students of B.Sc(MPCs) and B.Sc(MECs) II Year, Semester-3 that the Department of Physics & Electronics is organizing a Computerized Quiz program (Jeopardy-2022) on 08th Aug 2022 at 1.30 pm in the Lecture Hall No. 508, V floor. Interested students can give their name to CR of the respective class.




inarsimha Rao

HOV, Dept. of Physics & Electronics


Principal

(Fr. Dr. D. Sunder Reddy)

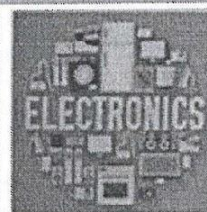
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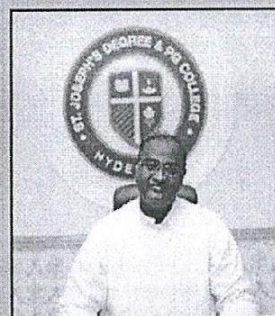
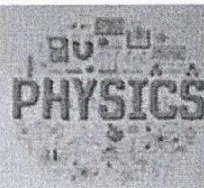
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DEGREE & PG COLLEGE
HYDERABAD, INDIA.



Department of Physics & Electronics



Science Club
presents



Fr. Dr. D. Sunder Reddy
Principal

Jeopardy-2022

(Computerized Quiz)

For B.Sc(MPCs & MECs) II Year

On 08-08-2022 From 1.30 PM, at Lecture's Hall 508, V Floor



Quiz Master:

M. Laxminarsimha Rao

HoD, Dept. of Physics & Electronics

Student Coordinators:

S. Jyostna Sree

Sahil Upadyay

M. Pradeep Kumar

Alladi Adarsh

G. Dinesh Kumar

Mirza Rizwaan Ali Baig

Signature



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Department of Physics & Electronics

Report Induction Programme for B. Sc (MPCs/MECs) II Year Students

Date: 8th August 2022

Venue: Lecture Hall No. 508

Time: 1:30 P.M – 3:00 P.M

Organized by: M. L. N. Rao, HoD.

Target Group: B.Sc (M.P.Cs/M.E.Cs) II Year students

The Quiz is computer based which is organized in rows (6) and columns (5). It has five columns and each column is specific group like, Current affairs, Science, Aptitude, IT etc. The questions displayed on the screen with their marks. The first question in all the columns has 5 marks, second 10, third 20, fourth 40 so on. Participants can select any question in any group. If they answer correct they get the marks displayed on the question, or else same number of marks will be deducted from the total. The time given to answer the question is 60 seconds. Five groups participated in the quiz program and each group has four participants. The following are the participants with their team name.

1. C. V. Raman Team

- Neeraja
- Durga
- Divya
- Harsha

2. J. C. Bose Team

- Richard
- Melvin
- Vaishnavi
- Sowrya

3. Newton Team

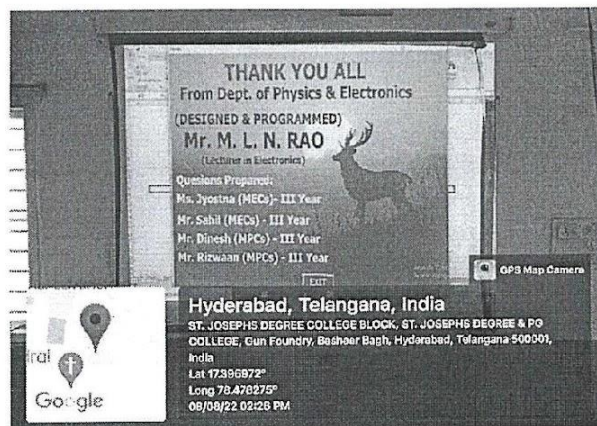
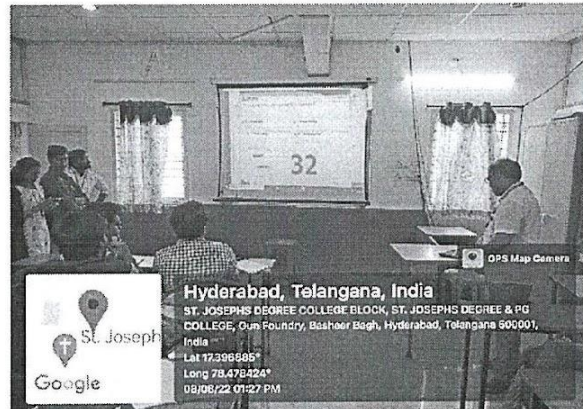
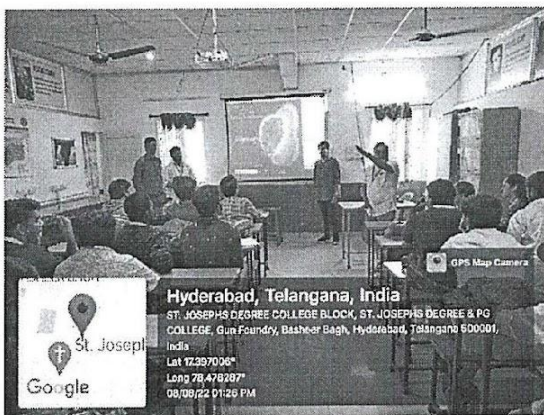
- Aakash
- Manideep
- SaiTeja
- Upender

4. Kirchhoff Team

- Moksha
- Joseph
- Vikranth
- Sylvester

5. Einstein Team

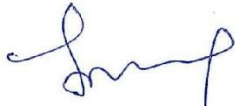
- Prabhakar
- Manikanta
- Sayeed
- Omar




Students participated enthusiastically and displayed their knowledge in various groups

Winners:

SNo.	Participant Name	Team Name	Prize
1	Moksha Joseph Vikranth Sylvester	Kirchhoff	1 st Prize
2	Prabhakar Manikanta Sayeed Omar	Einstein	2 nd Prize
3	Richard Melvin Vaishnavi Sowrya	J. C. Bose	3 rd Prize


HOD
Mr. M.L.N. Rao


Principal
Fr. Dr. D. Sunder Reddy



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Report on seminar "DC Power supply"

Date : 21st September 2022
Organized by : Physics & Electronics, Department

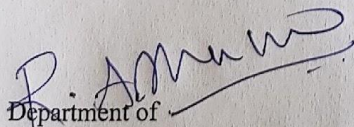
Target Group : All registered students.
Resource Person : Dr.G.Ravikumar, Professor, Shadan college of Engineering & technology Hyderabad.
Coordinators : Mr. R. Ashok Kumar, Dr.D. Padmashri
Student Coordinators : A .Pranathi, - III-B.Sc MECs, Jyostnasree- III B.Sc MECs

Objective: To provide brief information and knowledge on DC Power Supply encourage students to create innovative ideas on DC Power Supply for real time applications.

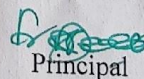
The St. Joseph's degree & PG college organized a seminar on "DC Power Supply" on 21st September 2022 in association with department of Physics & Electronics at Room No 508 from 01.00 P.M to 02.00 PM. A total of 60 students and Three faculty members attended the seminar, the main objective of the seminar was to provide information and knowledge on how to design and create DC Power Supply using various sectors like home system, health system, industrial and commercial system, IoT based systems etc.

After the prayer and brief introduction about resource person, the resource person Dr.G.Ravikumar, Professor, Shadan college of Engineering & technology Hyderabad, was started seminar by giving introduction on DC Power Supply and explained its need and uses in real time applications. Later he explained how Power Supply play an important role in the automation field by showing various sensors physically to the students and as well with respective examples through power point presentation. He concluded the seminar by sharing his experience on real time DC Power Supply applications designed and constructed by his organization. The students shown their ardent interest and technical passion towards real time applications and entrepreneurship by interacting with the resource person at the end of the seminar.

Outcome: Students have gained information & knowledge with lot of interest towards DC Power supply for better business and society.


Department of

Physics & Electronics


Principal

Fr. Dr. .D. Sunder Reddy

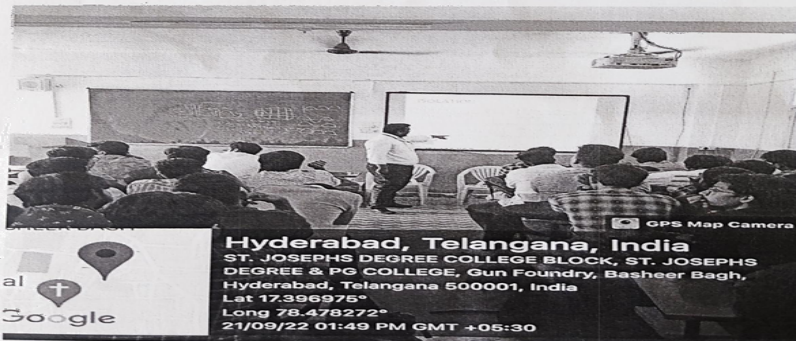


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King koti road, Hyderabad



Hyderabad, Telangana, India
9FWH+VCM, Shergate, Gun Foundry, Basheer
Bagh, Hyderabad, Telangana 500001, India
Lat 17.397032°
Long 78.478459°
21/09/22 02:08 PM GMT +05:30



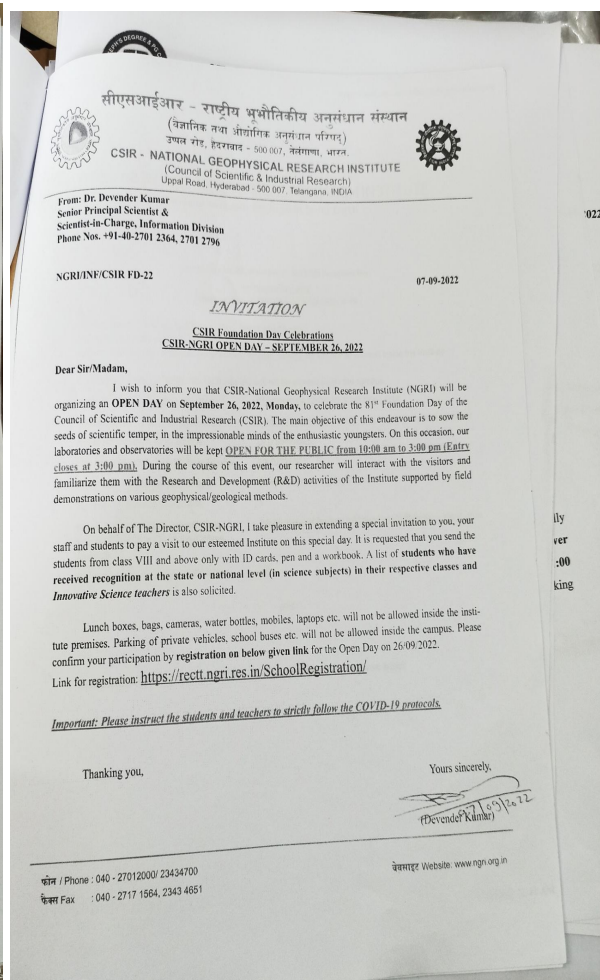
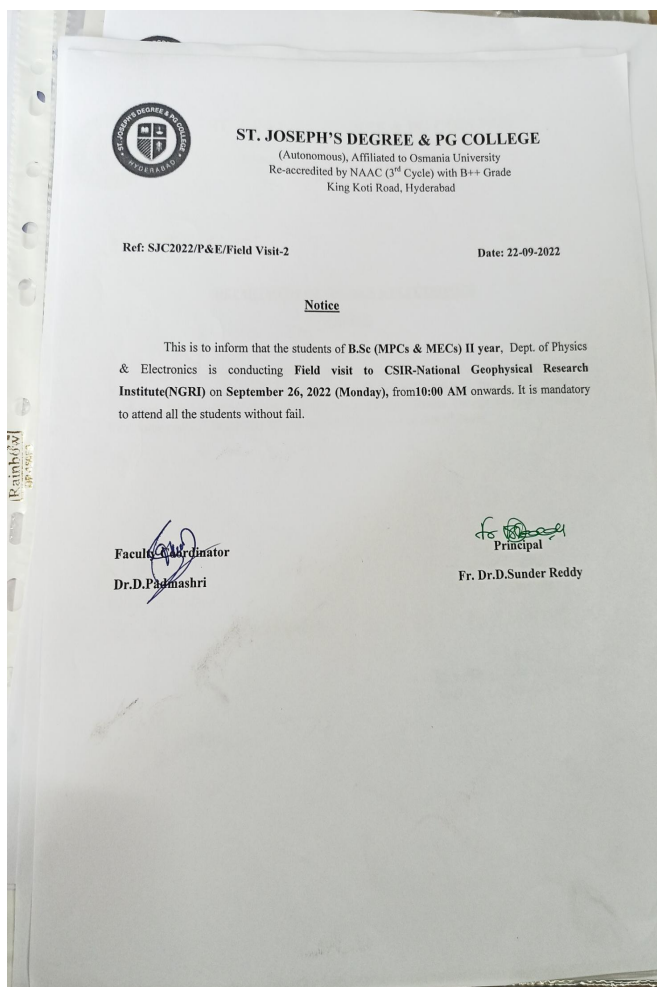
Hyderabad, Telangana, India
ST. JOSEPHS DEGREE COLLEGE BLOCK, ST. JOSEPHS
DEGREE & PG COLLEGE, Gun Foundry, Basheer
Bagh, Hyderabad, Telangana 500001, India
Lat 17.396975°
Long 78.478272°
21/09/22 01:49 PM GMT +05:30

Objective: Main objective is to increase awareness among students about the importance CSIR & as well as research of Geophysics.

CSIR Foundation day celebrates the 81st Foundation day, Council of Scientific Industrial & Research for which to show the seeds of scientific temper. The department of Physics & Electronics organized a visit to CSIR-NGRI, Uppal on 26th September 2022, to make awareness among the students about the importance of science and technology in their lives. A total of 30 students from B. Sc (MECs & MPCs) II year along with faculty coordinator Dr.D. Padmashri were visited.

The students visited CSIR-NGRI-Industry on celebration of 81st Foundation Day of CSIR & attended class about importance of science and technology and their advantages & disadvantages. Also interacted with research scientists of the organizations, & they given demonstration using Research & Development projects.

Outcome: The students of St. Joseph's Degree & PG college learned and acquainted with advantages of science & technology in today's people's daily life. Also gained the knowledge about the real life projects using science & technology and Geophysics.





CSIR - NATIONAL GEOPHYSICAL RESEARCH INSTITUTE
A Premier Research Institute in Solid Earth

Open Day at CSIR-NGRI to celebrate 81st CSIR Foundation Day!

26th September, 2022

Details successfully Submitted and Registration Id: 19

Note:

- i) Visiting Hours: 10:00 am to 3:00 pm (Entry closes at 3:00 pm)
- ii) Must bring identity card/any other ID proof
- iii) Lunch boxes, bags, cameras, water bottles, mobiles, laptops etc will not be allowed inside the institute premises
- iv) Parking of private vehicles, School Buses etc. will not be allowed inside the campus

Name of The School/College/Institute	ST.JOSEPH'S DEGREE & PG COLLEGE
Address of the School/College/Institute	5-9-300 Caprotti hall building, Gun Foundry, Hyderabad 50001
Name of the coordinating Teacher	Dr.D.padmashri
Mobile number of the coordinating Teacher	9000272203
E-mail Id of the coordinating Teacher	tilewale.padmashri@gmail.com
Number of Coordinating teachers	1
Name, E-mail Id/Mobile number of the Principal/Director of the School/College /Institute	info@josephcollege.ac.in/drpadmashri@josephcollege.ac.in
No. of the Students coming to Exhibition	40

print

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9/19/2022, 11:41 AM



ST. JOSEPH'S DEGREE & PG COLLEGE

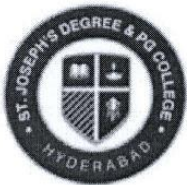
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King Koti Road, Hyderabad

Event: Industry Visit
Students Attendance

Date: 26-09-2022

S.No	Name of the Student	Roll Number	Signature
1.	G. Sharvani	121421474003	G. Sharvani
2.	Joseph Rishwanth	121421468007	Rishwanth
3.	N. Shiva Reddy	121421474021	N. Shiva Reddy
4.	J. Vaishnavi	121421474018	J. Vaishnavi
5.	Ch. Saimanideep	121421468016	Ch. Saimanideep
6.	Sylvester	121421468011	Sylvester
7.	Uppender Jatangi	121421468019	Uppi
8.	Mohammad Bin Sayeed	121421474023	Mohammad Bin Sayeed
9.	K. Shashank	121421474017	K. Shashank
10.	Manne Shashank Rao	121421474019	Manne Shashank Rao
11.	Sai Teja	121421468003	Teja
12.	Tarun Shinde	121421474012	Tarun
13.	Prabhakar	121421474005	Prabhakar
14.	B. Moksha Prasunadh	121421468002	B. Moksha Prasunadh
15.	M. Durga Lakshmi	121421468014	M. Durga Lakshmi
16.	Neeraja	121421468015	Neeraja

16.	T. Jyothika	121421468008	T. Jyothika
17.	L. Prabha Reddy	121421468006	L. Prabha Reddy
18.	V. Durga Sar Harsha	121421468007	V. Durga Sar Harsha



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National Remote Sensing Center (NRSC) – Industry Visit REPORT

Date : 22nd October 2022
Organized by : Department of Physics & Electronics
Target Group : B. Sc (MECs) III Year.
Faculty Coordinator : Mr. R. Ashok Kumar.
Student Coordinators: Ms A. Pranathi, Mr. J. Kiran Kumar, Mr. Venkat

Objective: To provide an exposure to students about remote sensing and its process with satellites and their operations.

The department of Physics & Electronics organized a field visit to National Remote Sensing Center (NRSC) at Jeedimetla, Hyderabad on 22nd October 2022. A total of 38 students from B. Sc (MECs) III year along with faculty coordinator Mr. R. Ashok Kumar were visited.

National Remote Sensing Centre (NRSC) has the mandate for establishment of ground stations for receiving satellite data, generation of data products, dissemination to the users, and development of techniques for remote sensing applications including disaster management support, geospatial services for good governance and capacity building for professionals, faculty and students.

Students interacted with In-charge Training & Outreach after power point presentation about Indian Space Programme, basics of remote sensing and major application projects at NRSC apart from showing different launch videos of ISRO. Later students visited exhibition showcasing models of satellites, launch vehicles, various remote sensing processed images. The different electronic devices systems used in satellite and space communication were explained. The students had an interactive session with the scientists to clarify various doubts about the launching of satellites, remote sensing etc.

Outcome: The students gained experiential knowledge on applications of Remote Sensing in the area of soils, forests, Geosciences, Agriculture, water, Environment and oceans and also acquainted with disaster management system with pictures taken by satellites.


Faculty Coordinator

Dept. of Physics and Electronics




Principal

Fr. Dr. D. Sunder Reddy

PRINCIPAL
ST. JOSEPH'S DEGREE & P.G. COLLEGE
KING KOTI ROAD,
HYDERABAD-500 029



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Ref: SJC2022/P&E/Field Visit-3

Date: 12-10-2022

Notice

This is to inform that the students of B.Sc (MECs) III year, Dept. of Physics & Electronics is conducting Field visit to National Remote Sensing Centre(NRSC) at Jeedimetla, Hyderabad on October 21st, 2022 (Friday), from 10:00 AM onwards. It is mandatory to attend all the students without fail.



Faculty Coordinator

Mr. R. Ashok Kumar


Principal

Fr. Dr. D. Sunder Reddy



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Date: 19-10-2022

To,
The Principal,
St. Joseph's Degree & PG College
King Koti Road
Hyderabad.

Respected Father,

Subject: Request to sanction amount towards Industrial Visit Bus rent and Snacks reg.,

We Department of Physics & Electronics conducting industrial visit to **National Remote Sensing Center (NRSC)**, Jeedimetla, Hyderabad, for B. Sc MECs III year on 21-10-2022 from 10:00 onwards. In this regard I request you to kindly sanction the amount of **Rs. 9,500/- (Rupees Nine Thousand and five hundred only)** towards bus rent and snacks for students. The following are the amount required to be spend for industrial visit.

1. Bus rent - Rs. 7,500/-
2. Snacks - Rs 2,000/-
- Total - Rs 9,500/-

*Dear Rev. Fr. Sunder Reddy
Can we consider some
amount-*

Thanking you

Yours sincerely

R. Ashok Kumar
19/10/22

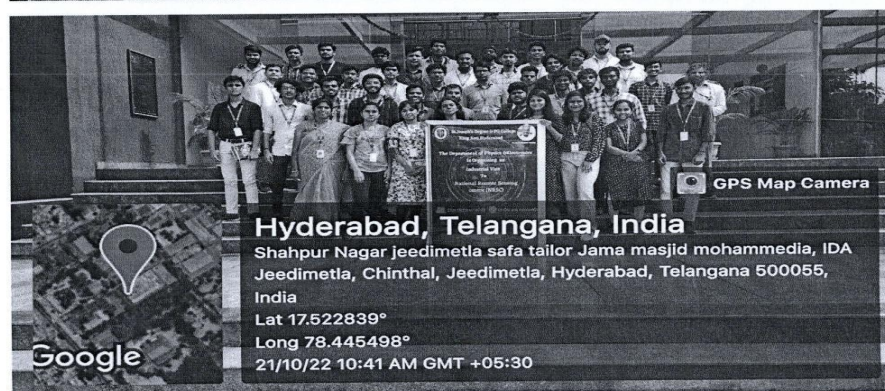
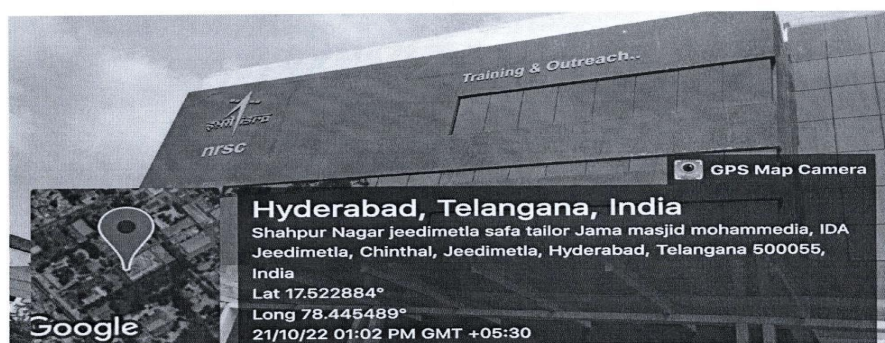
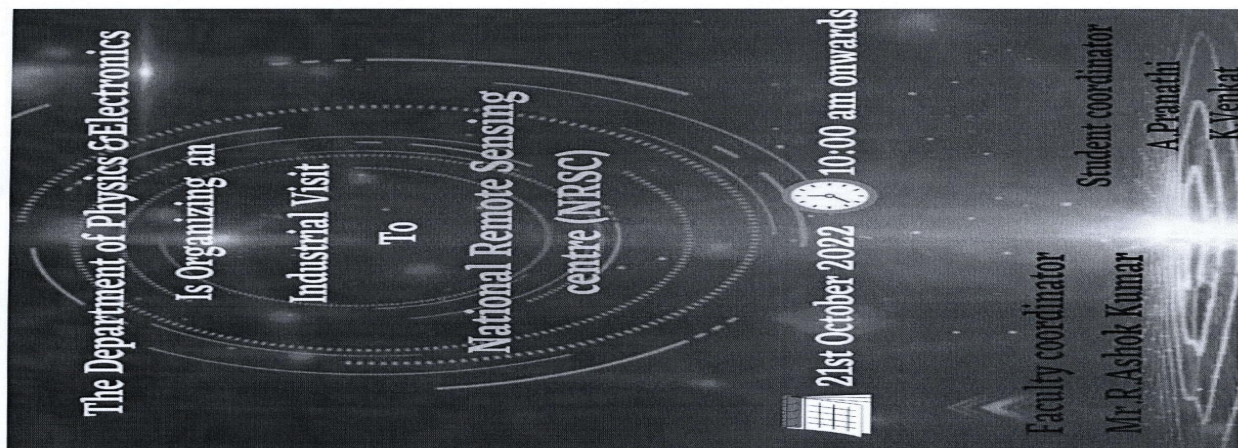
(Faculty coordinator)

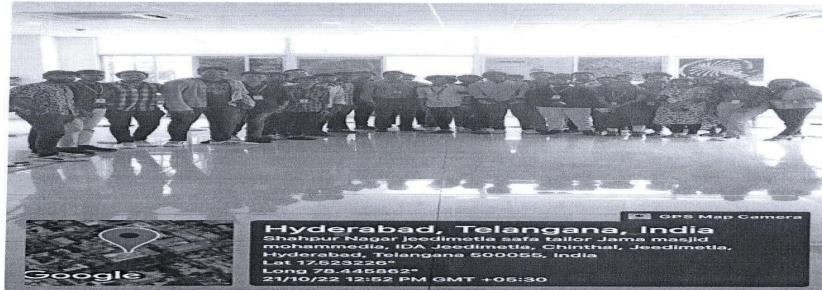
Dept. of Physics & Electronics

Fr. Dr. D. Sunder Reddy

Fr. Dr. D. Sunder Reddy

Principal







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King Koti Road, Hyderabad

Industrial Visit to National Remote Sensing Center, Jeedimetla, Hyderabad
Attendance
B. Sc (MECs) III Year – Semester V
Date: 21-10-2022

Roll Number	Name	Signature
121420474001	BANDARI CHANDANA	B. Chandana
121420474002	BILLA ABHINAND	Abhinand
121420474003	JANA SAI CHARAN	Sai Charan
121420474004	JORRIGALA UDAY KUMAR	Uday Kumar
121420474005	MEDIKONDA PRADEEP	Pradeep
121420474006	G K VINEETH	Vineeth
121420474007	NAKKA SAI NITHYAN	Sai Nithyan
121420474008	PANDALA AJAY KUMAR GOUD	Ajay
121420474009	SINGA REDDY ROHAN REDDY	Rohan
121420474010	SYED SAADUDDIN SHAKIB	Shakib
121420474011	KANNABOINA SOHAN	Sohan
121420474012	SOMISETTY JYOSTNA SREE	Jyostna
121420474013	APURI AMARNATH	Amarnath
121420474014	HARSH VYAS	Harsh
121420474015	NAMANI PRANAY KUMAR	Pranay
121420474016	REON JOSEPH	Reon
121420474017	KOMURAVELLI DHANUSH GANGADHAR	Dhanush

121420474018	M YASHWANTH REDDY	<i>Reddy</i>
121420474019	JAMPALA KIRAN KUMAR	<i>J. k. s.</i>
121420474020	PARASHARA VENKATA KRISHNA	<i>Parashara</i>
121420474021	KARANGI NATHANIEL JOHN SUNDER	<i>John</i>
121420474022	SALIBINDLA SATHWIK REDDY	<i>Sathwik</i>
121420474023	BOJJA GAGANA	<i>B. gagana</i>
121420474024	A PRANATHI	<i>A. Pranathi</i>
121420474025	SAHIL UPADHYAY	<i>Sahil</i>
121420474026	SHAIK MASOOM	<i>M. B. Masoom</i>
121420474027	BELLAMKONDA KARTHIK	<i>Karthik</i>
121420474028	GURRAMPATI BALAKONDA REDDY	<i>Bala</i>
121420474029	VASAM AMRUTHRAM	— ABSENT —
121420474030	RELAKAR. PRIYANKA	<i>P. Priyanka</i>
121420474031	M. BHANU TEJA .	<i>Bhanu</i>
121420474032	ARYASOMAYAJULA VIJAY ASHISH	— ABSENT —
121420474033	GAJULAPALLE VINAY KUMAR REDDY	<i>Vinay</i>
121420474034	NAKARAKANTI AKHIL	<i>Akhil</i>
121420474035	KASARLLA SAICHARAN	<i>Charan</i>
121420474036	ABDULRAHAMAN	<i>Rahman</i>
121420474037	MOHAMMED IRFAN	<i>Irfan</i>
121420474038	THANETI NITHISH .	<i>Nithish</i>
121420474039	AMBEKAR VAMSHI RAMA RAO .	<i>Vamshi</i>
121420474040	DUDDOLA DEEKSHITHA .	<i>Deekshitha</i>



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Industrial Visit to National Remote Sensing Center, Jeedimetla, Hyderabad

Attendance

B. Sc (MECs) III Year – Semester V

Date: 21-10-2022

Roll Number	Name	Signature
121420474001	BANDARI CHANDANA	B. Chandana
121420474002	BILLA ABHINAND	Abhinand
121420474003	JANA SAI CHARAN	Sai Charan
121420474004	JORRIGALA UDAY KUMAR	Uday Kumar
121420474005	MEDIKONDA PRADEEP	Pradeep
121420474006	G K VINEETH	Vineeth
121420474007	NAKKA SAI NITHYAN	Sai Nithyan
121420474008	PANDALA AJAY KUMAR GOUD	Ajay
121420474009	SINGA REDDY ROHAN REDDY	Rohan
121420474010	SYED SAADUDDIN SHAKIB	Shakib
121420474011	KANNABOINA SOHAN	Sohan
121420474012	SOMISETTY JYOSTNA SREE	Jyostna
121420474013	APURI AMARNATH	Amarnath
121420474014	HARSH VYAS	Harsh
121420474015	NAMANI PRANAY KUMAR	Pranay
121420474016	REON JOSEPH	Reon
121420474017	KOMURAVELLI DHANUSH GANGADHAR	Dhanush



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Report on Parent teacher meeting

Date : 22nd October 2022
Class In charge : Dr.D.Padmashri
Target Group : All B.Sc(MECs) 1st Year students.
Time : 9:00 A.M- 02:30 P.M
Venue : Electronics Lab

The college has organized a Parent-teacher meeting on Saturday, 22-10-22 in college at 09:00 A.M to 02:00 P.M. Total 10 parents of 1st year B. Sc (MECs) were report for the meet. The main purpose of meet was to create a common platform, where teacher and parents come together to enrich the student's educational experiences and discuss variety of issues, regarding all round development of students.

THE PURPOSE/OBJECTIVE OF PARENT TEACHER MEETING WAS AIMED AT:

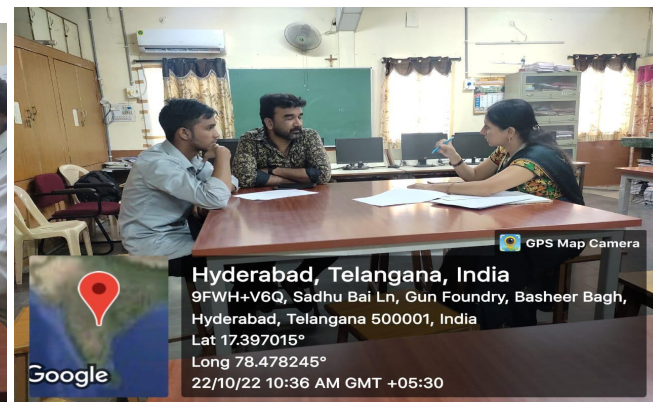
1. Building a Partnership where a Teacher often introduces parents to their teaching style, discipline methods and classroom policies.
2. Expressing their commitment to your child's education, such as their organizational skills & positive attitude.
3. Gathering Information where teachers & parents can exchange information about ward's academic progress like his attendance marks in and internal examinations.
4. Developing a Plan where the Teacher – Parent together can address a plan to help the student to work through his difficulties or find ways to ensure his continued success.

Co-Ordinator

Dr. D. Padmashri

Principal

Fr. Dr. D. Sunder Reddy



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Report on Parent Teachers Meet

Date : 22nd Oct 2022

Time : 9.00 AM to 1.00 PM

Venue : Room no. 506

Class : B. Sc MSCs-III year

Class in-charge : **Dr.M. SRAVAN KUMAR**

Objective:

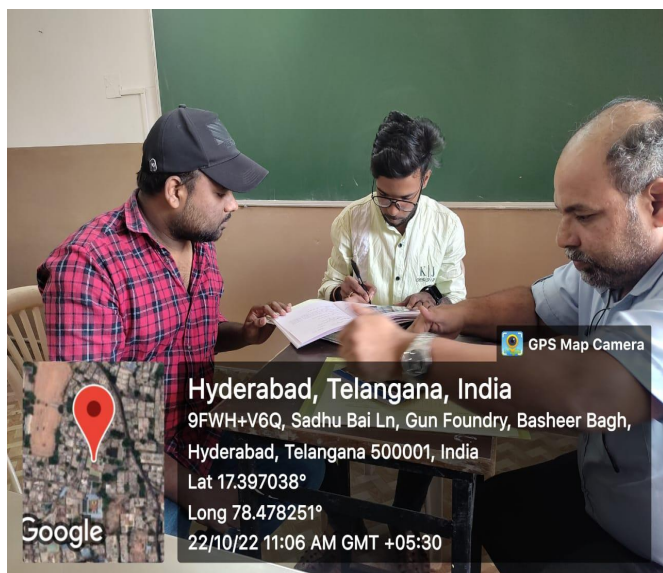
The main objective of conducting the meeting is to interact with the parents about their wards Academic performance, attendance and classroom behavior.

Report:

A Parent Teacher Meet was held on 22nd October 2022 to discuss the performance of B.Sc MPCs I year students with their parents, 06 students parent attended the meeting offline and 3 students attended online meeting, it was a good interaction between the teacher and parent about their wards Internal marks, Class room behavior and Attendance percentage and the parents along with their ward are given feedback on Curricular aspects, Teaching Learning and Evaluation, Infrastructure facilities, Student support and Extension activities, Governance and Best practices etc.

The parents were appreciated the management and faculty for conducting the Parent teachers meeting for all students and also individual interaction with all the subject teachers.

Photo Gallery



Report on the Project orientation to BSc (MPCs/MECs) final year students

Objective of the event: To orient the BSc (MPCs/MECs) final year students on the necessary opportunities and criteria for physics and electronics project.

Date and Time: 01st November 2022 (1.10 – 3.00 pm)

Venue: Room no -508

Faculty coordinators: Dr. Sravan Kumar

Mr.R. Ashok Kumar

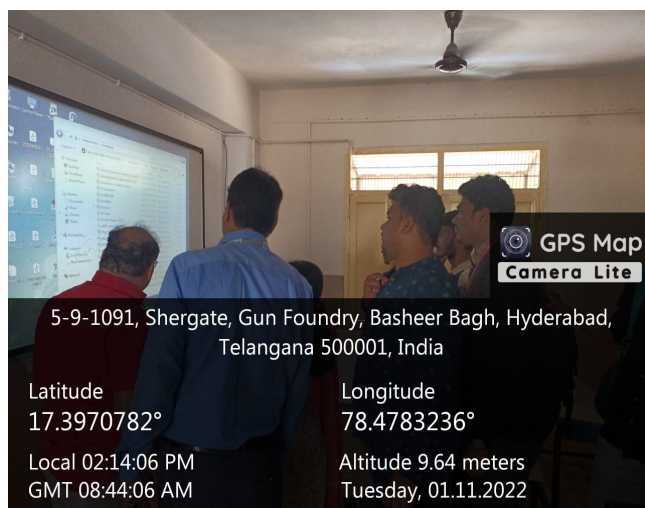
Dr. Padmashri

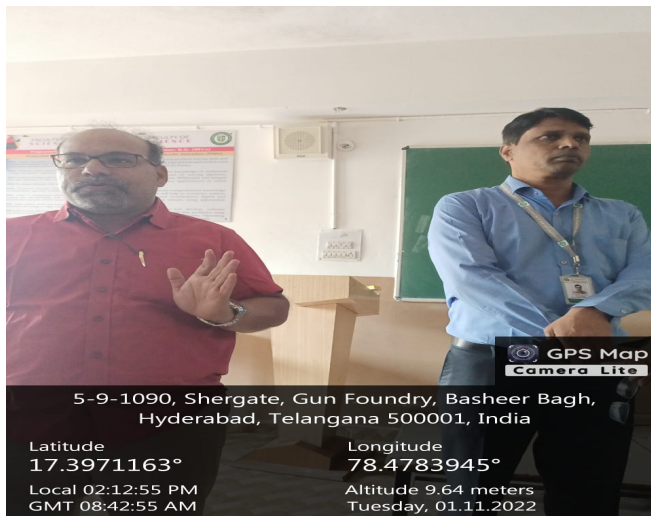
Target Audience: BSc (MPCs/MECs) Final year students

A brief of the event:

The department of physics and electronics organized an orientation class for all BSc MPCs, MECs students on 1st November 2022 in room number 508.

The Department has presented a Power-point presentation explaining all the essential details related to physics and electronics project. Orientation related to the current trends, importance of research in the field of science, diversity in selection of sub topics for project, benefits of selecting PHY/ELEC project for research purposes, criteria's to be fulfilled and important deadlines have been clearly explained.

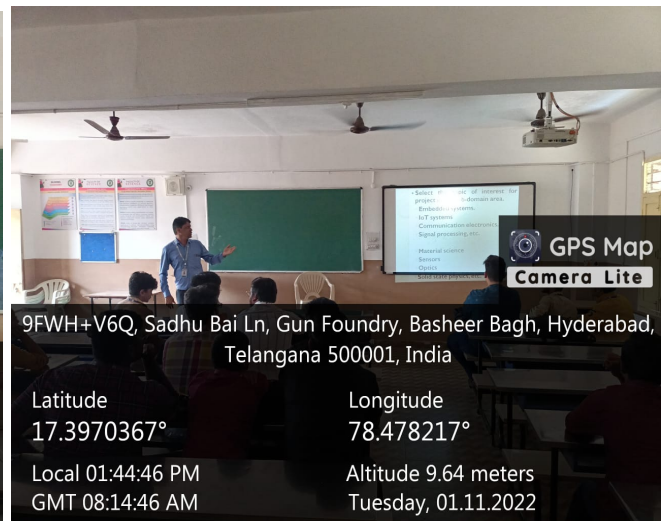




5-9-1090, Shergate, Gun Foundry, Basheer Bagh,
Hyderabad, Telangana 500001, India

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GMT 08:42:55 AM

Longitude
78.4783945°
Altitude 9.64 meters
Tuesday, 01.11.2022



9FWH+V6Q, Sadhu Bai Ln, Gun Foundry, Basheer Bagh, Hyderabad,
Telangana 500001, India

Latitude
17.3970367°

Longitude
78.478217°

Local 01:44:46 PM
GMT 08:14:46 AM

Altitude 9.64 meters
Tuesday, 01.11.2022



9FWH+V6Q, Sadhu Bai Ln, Gun Foundry, Basheer Bagh, Hyderabad,
Telangana 500001, India

Latitude
17.3970519°

Longitude
78.4782637°

Local 01:44:23 PM
GMT 08:14:23 AM

Altitude 9.64 meters
Tuesday, 01.11.2022

Students Achievements

S.no	Roll no	Name of the Student	Class/Group	Achievement
1	121421467007	D. BalaKrishna	B.Sc MSCs II yr	Won 3 rd Prize for Group Dance in cluster College Celebrations as a mark of Swathantra Bharatha Vajrotsavalu
2	121421474007	Karthik Raman	B.Sc MPCs II yr	
3	121421467003	A. Srivallika	B.Sc MSCs II yr	
4	121420467020	V. Cherishma Reddy	B.Sc MSCs III yr	
5	121421467007	D. BalaKrishna	B.Sc MSCs II yr	Actively Participated in YUVAAH 2022 in the occasion of NSS Foundation Day 24 th September 2022
6	121421467007	D. BalaKrishna	B.Sc MSCs II yr	Actively Participated in National Integration Camp from 2 nd Sep to 8 th Sep 2022
7	121420468006	G. Dinesh Kumar	B.Sc MPCs III yr	Won 1 st Prize for Smart India Hackathon 2022- Spot On-an initiative for women empowerment
8	121420474025	Sahil Upadhyay	B.Sc MECs III yr	Won 1 st Prize for Smart India Hackathon 2022- Spot On-an initiative for women empowerment

Future Plans of the Department:

- a. Do gain unique identity for the Department by Conducting International /National Seminars/Workshops and Symposiums at the department level, that enhances the scientific temperament in Students and Faculty.
- b. To encourage and direct Faculty and students towards Paper Presentations, Minor Projects.
- c. Encourage, motivated and guide students to pursue projects in the field of Physics &Electronics.
- d. To start post graduate Courses and Certificate courses to strengthen the department.
- e. Apply the Minor and Major Research Projects in Physics and Electronics.