

# DEPARTMENT OF P.G. PHYSICS

## ANNUAL REPORT 2016-2017

The classes for I and II M.Sc. started on 1<sup>st</sup> July 2016, for the academic year 2016-2017. On 1<sup>st</sup> July 2016 orientation class was conducted for P.G first year students in media centre in which the senior faculty of P.G centre explained about the motto of our institution, the aim and objectives, rules and regulations, value system, library, and other facilities of our college. On 11<sup>th</sup> July 2016 P.G Union elections were conducted and Karishma Banu of II M.Sc Physics was elected as the library President of P.G student union.

The **SPACE** Club for the academic year 2016-2017 was inaugurated on 09<sup>st</sup> August 2016 in the media centre at 2:00 p.m. The office bearers of SPACE club are

President	-----	Karishma Banu
Vice president	---	V.Madhuri
Secretary	.....	K.Harshitha

The election of the Joint Secretary of **SPACE** club for the year 2016-2017 was held. B.Sai Lakshmi Dhathri of I M.Sc. Physics was elected as the Joint secretary with the approval of all the SPACE Club members present.

In this session M.Sc Physics students have presented papers on the following topics:

- ❖ “Lasers & its types” by Vasantha Lalitha of II M.sc Physics
- ❖ “PSLV C-34 Satellite” by S.Mounika & M.Sindhuja of II M.Sc Physics
- ❖ “Nano Technology & its Applications” by K.Triveni & B.Devipriya of I M.Sc Physics
- ❖ “Solar energy & its Applications” by A.Raja sree & B.Sai Lakshmi Dhathri of I M.Sc Physics

On 20<sup>th</sup> Aug 2016 department of Physics organised a guest lecture on “Basics of Entrepreneurship” by Dr.Paul Divakar, Lecturer in Physics, Sir.C.R.R. College, Eluru. From 26<sup>th</sup> to 29<sup>th</sup> Aug 2016 I mid semester exams for I & III semester

were conducted for P.G Physics students.



On 27<sup>th</sup> Sep 2016 department of P.G Physics organised a guest lecture on “Career Guidance” by Sri.M.Sambasiva Rao, Director, Microlink,Vijayawada. All the students of P.G courses attended this guest lecture. From 30<sup>th</sup> to 1<sup>st</sup> Oct 2016 II mid semester exams for I & III semester were conducted for P.G Physics students.

From 4<sup>th</sup> Oct 2016 to 5<sup>th</sup> Oct 2016 a two day National seminar on “Energy & Ecology” was organised by Sir C.R.R.college,Eluru.All the students of M.sc Physics attended this seminar and all over nine papers were presented by students and staff. For II M.Sc. physics III Semester practical examinations & viva-voce were conducted on 18<sup>th</sup> & 19<sup>th</sup> Oct 2016, and the university external examiners were Prof.K.Samatha and Dr...P.S.V.Subbarao from A.U.Visakhapatnam. Comprehensive exams for II M.Sc. physics were held from 24-10-2016 to 27-10-2016.

For II M.Sc. Physics III Semester University examination were conducted from 09-11-2016 to 18-11-2016. On 14<sup>th</sup> November 2016 the Department of Physics and Electronics organized “Bhuvan Familiarization Workshop” in collaboration with National Remote Sensing Centre /ISRO,in which all M.Sc Physics students and staff participated.



The resource persons for this workshop are Mr.Vinod M Bothale, Group director, Geo portal & web GIS services NRSC / ISRO and Ms Vijay Banu ,Manager, Bhuvan Technology incubation outreach, RC, NRSC/ISRO.

From 29<sup>th</sup> Nov 2016 to 30<sup>th</sup> Nov 2016 students of II M.Sc Physics along with staff went on an educational tour to NFC and NRSC Hyderabad.



**Students activity:**

- On 30<sup>th</sup> July 2016 students attended to an extension programme on “Brexit” organised by P.G Economics department.

- On 5<sup>th</sup> Aug 2016 all the students of P.G attended a programme on breast feeding, by ASRAM nursing students and staff.
- On 9<sup>th</sup> Sept 2016 students attended an extension programme on “winning vocabulary” organised by P.G English department.

For I M.Sc. physics I Semester practical examinations & viva-voce were conducted on 9<sup>th</sup> Dec 2016, and the university external examiner was Dr.P.S.V.Subbarao, Andhra University, Visakhapatnam, and Dr.A.Nirmala Jyothsna was appointed as the internal examiner by the University.

For I M.Sc. Physics I Semester University examination were conducted from 19-12-2016 to 22-12-2016. On 21<sup>st</sup> Dec 2016 SPACE club second meeting was held in media centre, in this students presented papers on following topics as a part of Energy Conservation week celebrations

- ❖ “Energy Conservation” by G.Mounika Kumara & P.Sudha Rani of II M.sc Physics
- ❖ “Biomass Energy” by S.Renuka & A.Sai Durga of II M.Sc Physics
- ❖ “Geothermal Energy” by K.Jhansi Rani of II M.Sc Physics
- ❖ “Energy Conservation” by K.Saraswathi & N.Florence of II M.Sc Physics

On 9<sup>th</sup> Jan 2017 a one day workshop on International studies –“A pathway to careers abroad” was organized by St.Theresas centre for International studies in media centre. All the P.G Physics staff attended this workshop.

On 21<sup>st</sup> Jan 2017 department of Physics has organised an awareness session on the “Ongoing programmes, Career opportunities and Future prospects in the Department of Atomic Energy”. In this session Mr.G.V.S.M.Siva Kumar, Sr.Manager, computer & IT division, Nuclear Fuel Complex, Hyderabad has addressed P.G students about the harmless nature of nuclear radiation and the need to go for Nuclear power as present energy resources are depleting. He has enlightened the students on different research activities which could be taken up by PG Physics & Chemistry students in various research organizations of DAE



On 28<sup>th</sup> January 2017 department of Physics and Electronics organized a guest lecturer on **“Space Technology and its Applications for National Development”** by Dr.Y.V.N. Krishna Murthy, Director NRSC/ISRO, Hyderabad.



From 30<sup>th</sup> Jan to 1<sup>st</sup> Feb 2017 I mid semester exams for II & IV semester were conducted for P.G Physics students. On 4<sup>th</sup> Feb 2017 all the students of II M.sc physics attended a campus drive held by Chaitanya techno school, Eluru and five members were selected.

On 9<sup>th</sup> Feb 2017 all the students of II M.Sc Physics attended a campus drive held by Nalanda School, Vijayawada. In this drive finally two members were selected. On 14<sup>th</sup> Feb 2017

**Valedictory** of **SPACE** club was held in Physics lab, and a **Quiz** programme was organized for I M.sc students by II M.sc students on topics related to physics. After this elections were conducted and the following are office bearers of **SPACE** Club for the year 2017-2018:

B.Devi Priya, I M.sc Physics-Secretary

A.Sandhya, I M.sc Physics -President

G.Prasanna, I M.sc Physics -Vice-President

From 2<sup>nd</sup> March to 4<sup>th</sup> March 2017 II mid semester exams for II & IV semester were conducted for P.G Physics students. For II M.Sc. physics IV Semester practical examinations & viva-voce were conducted on 17<sup>th</sup> & 18<sup>th</sup> March 2017, and the university external examiners were Prof .K. Samatha and Dr.P.S.V. Subbarao from A.U. Visakhapatnam. From 23<sup>rd</sup> March 2017 to 31<sup>st</sup> March 2017, Comprehensive exams were conducted for II M.sc Physics.

K.Sunitha of II M.Sc physics received a Prathiba award from government of Andhra Pradesh for the academic year 2014-2016, she was awarded 20,000/- cash and a Tab along with a gold medal and a certificate. Karishma Banu of II M.Sc Physics received a cash award of Rs.10,000/- from Jayanthi Ganganna Trust for standing first in physics for the academic year 2015-2017. Karishma banu of II M.Sc Physics has qualified APSET held during 2016.

#### **Results of III semester during 2016-2017:**

<b>Semester</b>	<b>Appeared</b>	<b>Passed</b>	<b>Pass %</b>
III	23	21	91
IV	22	20	90

We thank God Almighty for his abundant blessings throughout the last academic year. We are grateful to Dr. Sr. Mercy. P, Principal, Dr.Sr. Marietta D'Mello, the director of P.G. courses for their constant support and encouragement. We owe our gratitude to Dr.A.Nirmala Jyothsna H.O.D of Physics & Electronics for her continuous support and guidance. We are thankful to Mr.BogeswaraRao and Ms. Margaret for their assistance and help whenever necessary.

