

**Mahatma Fule Arts, Commerce and Sitaramji Chaudhari Science
Mahavidyalaya, Warud, Dist. Amravati-444906**

DEPARTMENT OF PHYSICS

ANNUAL REPORT (2020-21)

This session was started in the pandemic of COVID-19 and was implemented from 4th August 2020 to 7th August 2021. All the activities were performed online in this academic session as per university guidelines. Shri. D. P. Padole, Laboratory attended of Physics has superannuated on 30th April 2021 and Dr. R. J. Dhokne, Assiatnt Professor has been transferred to Shri. Shivaji Science College, Nagpur on 24th June 2021.

Summary of the activities in the department:

1. Online Induction Program for the Students of B.Sc. I Sem I:
Newly admitted students were given training of experimental tools to be used in the laboratory.
2. All faculty members have created e-content related to the syllabus and posted on their youtube channels.
3. Two university rank holders:
Ku. Ashwini R. Dhande secured 6th rank in B.Sc. degree of SGBAU.
Ku. Shreya G. Anjekar secured 8th rank in B.Sc. degree of SGBAU.
4. National Science day celebration:
Online Poster Exhibition for the academic session 2020-21 was organized on the occasion of National Science Day during 27th February 2021. Students of B.Sc. Sem I, Sem III and SEM V were engaged in this activity and they actively prepared and presented their posters online on the theme “Future of STI (Science Technology and Innovation)”:Impacts on Education skills and Work. Approximately **110 students** participated in the event.

The Program was inaugurated at the hands of Hon’ble Principal Dr. J. D. Wadate accompanied by Prof. U. E. Chaudhari, Dr. S. A. Kalmegh, Mr. V. S. Bawane, Dr. R. S. Wadbude, Dr. R. P. Ganorkar, Dr. O. S. Deshmukh, Mr. P.P. Dolas, Mrs. M.R. Umekar etc. All dignitaries visited the exhibition and encouraged the students for their efforts. Certificates were distributed online to all participants.

5. Brain Digger - Physics Quiz Board Inaugurated:
Department of Physics has initiated innovative best practice from this session and was inaugurated online at the hands of Hon’ble Principal Dr. J. D. Wadate on 27th Feb 2021. This quiz is aimed to trigger the logical thinking capabilities of the students. Each Faculty from this department will write a physics quiz which would be of very fundamental kind of nature and student has to dig his brain to solve the quiz thereby understanding the concepts of physics. Three quizzes have been posted online till date and Mr Gaurav Satav has won the prizes for two quizzes of Rs. 200/- each from Dr. Y. S. Tamgadge and Dr. R Y Bakale.

6. The faculties of the department have participated in various national/international conferences, MOOC courses and webinars. Total 04 research papers have been published by the faculties in the department. Faculties have written 5 Book Chapters in this session.
7. Dr. R. J. Dhokne, Dr. S. V. Khangar, Miss. A. B. Patil and Mrs. Dr. R Y Bakale have obtained A grade in the orientation courses conducted by different HRDCs. Dr. Y. S. Tamgadge has completed refresher course in natural sciences.
8. Dr. Y. S. Tamgadge has delivered 6 guest lectures to various colleges. Mr. N. B. Thakare from Shri Shivaji College Chikhli has delivered the guest lecture for the students of B.Sc. III.
9. Guest lectures of Dr. A. V. Kohale, R. R. Lahoti Science College Morshi and Dr. Y. S. Tamgadge of this college have been organized online as a part of Extension activity of two departments.
10. All faculties from the department are actively engaged for the possible NAAC Peer Team visit in this session.

(Dr. Y. S. Tamgadge)
Assistant Professor & Head
Department of Physics

**Mahatma Fule Arts, Commerce and Sitaramji Chaudhari Science
Mahavidyalaya, Warud, Distt. Amravati**

DEPARTMENT OF PHYSICS

ANNUAL REPORT (2019-20)

Four New Teaching Faculties and one Non- teaching staff member joined the department during this session:

1. Dr. Miss. R. J. Dhokne, PhD. (20/09/2019)
2. Dr. Miss. S. V. Khangar, PhD (20/09/2019)
3. Miss. A. B. Patil, M.Sc. NET (21/09/2019)
4. Dr. Mrs. R. Y. Bakale, PhD (24/09/2019)
5. Mr. A. A. Bhagat, Lab Assistant (transferred from Nagpur) (19/09/2019)

Summary of the activities in the department:

1. Miss. Komal D Agarkar was declared Merit of SGB Amravati University, Amravati and stood rank 7th in the faculty of Science and Technology.
2. Induction Program for the Students of B.Sc. I Sem I:
Newly admitted students were given training of experimental tools to be used in the laboratory.
3. Students of the department have prepared experimental kits on themselves using various components.
4. National Science day celebration:
Department has organized poster exhibition for UG students offering Physics subject on 27th & 28th February, 2020. The exhibition was inaugurated at the hands of Dr. J. D. Wadate. The posters presented by the participants have been evaluated by Dr. R. P. Ganorkar, Prof. R. R. Zoting and Dr. R. S. Wadbudhe.
5. The faculties of the department have participated in various national/international conferences, MOOC courses and webinars (in Corona Lockdown period). Total 08 research papers have been published by the faculties in the department.
6. Mr. M.A. Mahure has been superannuated on 30-04-2020 and Dr. Y. S. Tamgadge has taken the charge of head of the department.

**Mahatma Fule Arts, Commerce and Sitaramji Chaudhari Science
Mahavidyalaya, Warud, Distt. Amravati**

DEPARTMENT OF PHYSICS

ANNUAL REPORT (2018-19)

During academic year 2018 - 19 teaching work started from 24th June, 2018. Department has under graduate courses. Three (2 +1) teachers are working at senior (UG) and one is at junior college. Eleven (clock hour basis) teachers are working during this year.

Activities of Physics Department:

i) Department organized a seminar of the students selected from B.Sc.III, II and I.

ii) Unit Tests:

Department conducted unit wise class tests at the end of each taught unit. In Addition to that model question papers were prepared as per the semester pattern and supplied to the students. These model question papers help to get accustomed with the new pattern and to enhance the subject knowledge.

iii) Class Room Seminars:

Class room seminars of SEM-I, SEM-II, SEM-III, SEM-IV, SEM-V and SEM-VI were conducted. Reports on the seminar delivered were submitted by the students.

iv) Assignments:

Assignments on various topics were given to the students of SEM-I to VI. Internal assessment marks were allotted on the basis of their performance.

v) National science day celebration:

Department has organized poster exhibition for UG students offering Physics subject on 27th & 28th February, 2019. The exhibition was inaugurated at the hands of Dr. J. D. Wadate.

The posters presented by the participants have been evaluated by Dr. R. P. Ganorkar Prof. R. R. Zoting and Dr. R. S. Wadbudhe.

1. Research Paper Published:-

- | | | |
|-----|--------------------------------|----|
| i) | Mr. M. A. Mahure : | 01 |
| ii) | Dr. Y.S. Tamgadge, Asst. Prof: | 10 |

2. Meritorious Students of the Department:

- i) Ku. Komal D Agarkar, B.Sc. III SEM-VI (88.11 %)
- ii) Ku. Sumaira Jabeen Iqbal Khan, B.Sc. III SEM-VI (83.33 %)
- iii) Ku. Shreya G Anjekar, B.Sc. II SEM-IV (92.22 %)
- iv) Ku. Ashvini R Dhande B.Sc. II SEM-IV (90.44 %)
- v) Mr. Gaurav R. Satav, B.Sc. I SEM-II (91.78 %)
- vi) Mr. Nakul P Nimje, B.Sc. I SEM-II (88.67 %)

**Mahatma Fule Arts, Commerce and Sitaramji Chaudhari Science
Mahavidyalaya, Warud, Distt. Amravati**

DEPARTMENT OF PHYSICS

ANNUAL REPORT (2017-18)

During academic year 2017 - 18 teaching work started from 12th June, 2017. Department has under graduate courses. Three (2 +1) teachers are working at senior (UG) and one is at junior college. Eleven (clock hour basis) teachers are working during this year.

3. Departmental Activities:-

Students' physics association (under graduate level) has been formed on 14th September 2016. Hon'ble Principal Dr. D.V. Atkare, Patron of the association, Shri M. A. Mahure Associate Professor & Head and Dr. Y. S. Tamgadge Assistant Professor as a convenor and In-Charge of the association played their rolls.

Awards:-

i) Dr. D. V. Atkare:

Shri Shivaji Education Society Amravati's "Late. P. D. Chaudhari Best Principal Award- 2017." This year our principal Dr. Dewanand V. Atkare has been honored as a 'Best Principal.'

ii) Dr. Y. S. Tamgadge :

Dr. Y. S. Tamgadge is conferred Ph.D. degree for his research on "Design and Development of Nano- Composites for Non-Linear Optical Applications." by Sant Gadge Baba Amravati University, Amravati.

4. Students' Physics Association (2017-18) :-

i) Office Bearers of the Association:

S.N.	Name	Class	Post
1.	Miss. Renuka Tadas	B.Sc. III	President
2.	Miss. Poonam Hamane	B.Sc. III	Vice-President
3.	Miss. Neha Takarkhede	B.Sc. III	Secretary
4.	Miss. Priya Khandelwal	B.Sc. III	Joint-Secretary
5.	Mr. Pranav Ganorkar	B.Sc. II	Treasurer
6.	Miss. Komal Agarkar	B.Sc. II	Executive Member
7.	Miss. Bhagyashri Pawar	B.Sc. II	Executive Member
8.	Mr. Prashant Tikas	B.Sc. II	Executive Member
9.	Mr. Lokesh Ingale	B.Sc. I	Executive Member
10.	Mr. Bhushan Pote	B.Sc. I	Executive Member
11.	Miss. Tulshi Chikhale	B.Sc. I	Executive Member
12.	Miss. Vaishnavi Ghatole	B.Sc. I	Executive Member

13.	Miss. Gayatri Ughade	B.Sc. I	Executive Member
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2. Activities of Physics Association:

- i) Association organized a seminar of the students selected from B.Sc.III, II and I.
- ii) Unit Tests:

Department conducted unit wise class tests at the end of each taught unit. In Addition to that model question papers were prepared as per the semester pattern and supplied to the students. These model question papers help to get accustomed with the new pattern and to enhance the subject knowledge.

- iii) Class Room Seminars:

Class room seminars of SEM-I, SEM-II, SEM-III, SEM-IV, SEM-V and SEM-VI were conducted. Reports on the seminar delivered were submitted by the students.

- iv) Assignments:

Assignments on various topics were given to the students of SEM-I to VI. Internal assessment marks were allotted on the basis of their performance.

- v) National science day celebration:

Physics Association has organized poster exhibition for UG students offering Physics subject on 28th February, 2018. Theme of the competition was “Science and Technology for Sustainable Future” The exhibition was inaugurated at the hands of Dr. U. E. Chaudhari, Officiating Principal.

The posters presented by the participants have been evaluated by Dr. R. P. Ganorkar Prof. R. R. Zoting and Dr. R. S. Wadbudhe.

5. Research Paper Published:-

- i) Mr. M. A. Mahure : 02
- ii) Dr. Y.S. Tamgadge, Asst.Prof: 08

6. Meritorious Students of the Department:

- i) Ku. Anjana N. Barange, B.Sc. III SEM-VI (98.00 %)
- ii) Ku. Snehal R. Padole, B.Sc. III SEM-VI (87.33 %)
- iii) Ku. Shivani D. Malpe, B.Sc. II SEM-IV (85.78 %)
- iv) Ku. Neha P. Takarkhede, B.Sc. II SEM-IV (84.89 %)
- v) Mr. Deepak S. Deulkar, B.Sc. I SEM-II (93.11 %)
- vi) Ku. Sumaira Jabin Khan, B.Sc. I SEM-II (90.22 %)

5. Statistical data (B.Sc. III) of University Exam Result for academic year 2016-17:

- i) No. of students scoring 75% and above : 13
- ii) No. of students scoring 60-74.9% : 41
- iii) No. of students scoring 55-59.9% : 17

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Mahavidyalaya, Warud, Distt. Amravati**

DEPARTMENT OF PHYSICS

ANNUAL REPORT (2016-17)

During academic year 2016 - 17 teaching work started from 13th June, 2016. Department has under graduate courses. Three teachers (2+1) are working as senior (UG) and one is at junior college. Eight CHB teachers are working during this year.

7. Departmental Activities:-

Students' physics association (UG - Level) has been formed on 26th Sep. 2016. Hon'ble Principal Dr. D.V. Atkare, Patron of the association, Shri M. A. Mahure, Associate Professor & Head and Dr. Y. S. Tamgadge Assistant Professor as a convenor and In-Charge of the association played their rolls.

Awards:-

i) Dr. D. V. Atkare:

Shri Shivaji Education Society Amravati's "Late. P. D. Chaudhari Best Principal Award- 2017." This year our principal Dr. D. V. Atkare Sir has been honored as a 'Best Principal.'

ii) Dr. Y. S. Tamgadge :

Dr. Y. S. Tamgadge's thesis for Ph. D. degree accepted and he is conferred , declaring to award the degree for his research on "Design and Development of Nano- Composites for Non-Linear Optical Applications." by Sant Gadge Baba Amravati, University, Amravati.

2. Students' Physics Association (2016-17) :-

i) Office Bearers of the Association:

S.N.	Name	Class	Post
1.	Miss. Anjana N. Barange	B.Sc. III	President
2.	Miss. Sujata C. Bhaladhare	B.Sc. III	Vice-President
3.	Miss. Sonal M. Ganorkar	B.Sc. III	Secretary
4.	Miss. Dipti R. Dhore	B.Sc. II	Joint-Secretary
5.	Mr. Pranav V. Ganorkar	B.Sc. I	Treasurer
6.	Mr. Raj S. Gawande	B.Sc. I	Executive Member
7.	Mr. Anup G. Dandale	B.Sc. II	Executive Member
8.	Mr. Shubham V. Shirbhate	B.Sc. II	Executive Member
9.	Miss. Apurwa B. Chobitkar	B.Sc. II	Executive Member
10.	Miss. Sonali A. Sabale	B.Sc. II	Executive Member
11.	Miss. Komal D. Agarkar	B.Sc. I	Executive Member

12.	Miss. Pratiksha Y. Manekar	B.Sc. I	Executive Member
13.	Miss. Punam V. Hamane	B.Sc. II	Executive Member
14.	Miss. Namrata R. Akarte	B.Sc. II	Executive Member

ii) Inaugural Function of Physics Association:

Inauguration of the association was held on Thursday, 13th Oct. 2016 at the hands of Hon'ble Chief Guest Dr. D S Dhote, Professor & Head, Dept. of Physics, Brijlal Biyani Science College, Amravati at Dr. Panjabrao Deshmukh Auditorium in presence of Hon'ble Principal Dr. D.V.Atkare as the chairperson of the function.

2. Activities of Physics Association:

i) Association organized a seminar of the students selected from B.Sc.III, II and I.

ii) Unit Tests:

Department conducted unit wise class tests at the end of each taught unit. In Addition to that model question papers were prepared as per the semester pattern and supplied to the students. These model question papers help to get accustomed with the new pattern and to enhance the subject knowledge.

iii) Class Room Seminars:

Class room seminars of SEM-I, SEM-II, SEM-III, SEM-IV, SEM-V and SEM-VI were conducted. Reports on the seminar delivered were submitted by the students.

iv) Assignments:

Assignments on various topics were given to the students of SEM-I to VI. Internal assessment marks were allotted on the basis of their performance.

v) National science day celebration :

Physics Association has organized poster competition of UG students offering Physics subject on 28th February, 2017. The theme of the competition was "Science and Technology for Specially Aabled Persons." The competition was inaugurated at the hands of Dr. U. E. Chaudhari, Incharge Principal.

The posters presented by the participants has been evaluated by Prof. R. R. Zoting, Dr. R. S. Wadbudhe and Dr. R. P. Ganorkar

3. Research Paper Published:-

- i) Dr. D. V. Atkare, Principal: 01
- ii) Mr. M. A. Mahure: 01
- iii) Dr. Y.S. Tamgadge, Asst.Prof: 01

4. Meritorious Students of the Department:

- i) Miss. Meena W. Bhojare, B.Sc. III, Sem VI (88.26 %) - VIIIth Merit, SGB Amravati University.
- ii) Miss. Payal A. Ujjainkar, B.Sc. III, Sem-VI (86.78 %)
- iii) Miss. Snehal R. Padole, B.Sc. II, Sem-IV (88.67 %)
- iv) Miss. Anjana N. Barange, B.Sc.II, Sem-IV (83.33 %)

- v) Mr. Anup G. Dandale, B.Sc. I, Sem-II (85.11 %)
- vi) Miss. Apurwa B. Chobitkar, B.Sc. I, Sem-II (82.22 %)

5. Statistical data of SGB Amravati University Exam Result for academic year 2015-16:

- i) No. of students scoring 75% and above : 08
- ii) No. of students scoring 60-74.9% : 32
- iii) No. of students scoring 55-59.9% : 15

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DEPARTMENT OF PHYSICS

ANNUAL REPORT (2015-16)

During academic year 2015 - 16 teaching work started from 13th June, 2014.

Department has under graduate courses. Four teachers (3+1) are working as senior (UG) and one is at junior college. Eight CHB teachers are working during this year.

1. Departmental Activities:-

Students' physics association (UG - Level) has been formed on 14th Oct. 2015.

Hon'ble Principal Dr. D.V.Atkare, Patron of the association, Shri M. A. Mahure, Associate Professor & Head and Miss. A. A. Pakhale, Assistant Professor as a convenor of the association and Shri. Y. S. Tamgadge, Assistant Professor as an In-Charge of the association played their rolls.

i) Office Bearers of the Association:

S.N.	Name	Class	Post
1.	Mr K V Bansod	B.Sc. III	President
2.	Mr. G V Tiwari	B.Sc. III	Vice-President
3.	Ku. S. A. Sable	B.Sc. I	Secretary
4.	Mr. H P Pachghare	B.Sc. II	Jiont-Secretary
5.	Ku. N. D. Tidke	B.Sc. III	Treasurer
6.	Ku. D. R. Dhore	B.Sc. I	Executive Member
7.	Ku. A. A. Radke	B.Sc. III	Executive Member
8.	Ku. S. M. Ganorkar	B.Sc. II	Executive Member
9.	Mr. A. S. Poharkar	B.Sc. II	Executive Member
10.	Mr. S. V. Bodkhe	B.Sc. II	Executive Member
11.	Mr. A. G. Dandale	B.Sc. I	Executive Member
12.	Mr. A. B. Thakare	B.Sc. I	Executive Member
13.	Mr. S. D. Nimborkar	B.Sc. II	Executive Member
14.	Mr. A. D. Murhekar	B.Sc. II	Executive Member

ii) Inaugural Function of Physics Association:

Inauguration of the association was held on Wednesday, 14th Oct. 2015 at the hands of Hon'ble Chief Guest Dr. S. K. Omanwar, Professor & Head, Dept. of Physics, SGB Amravati University, Amravati and Dr. D S Dhote, Professor & Head, Dept. of Physics, Brijlal Biyani Science College, Amravati at Dr. Panjabrao Deshmukh Auditorium in presence of Hon'ble Principal Dr. D.V.Atkare as the chairperson of the function.

2. Activities of Physics Association:

i) Association organized a seminar of the students selected from B.Sc.III, II and I.

ii) Unit Tests:

Department conducted unit wise class tests at the end of each taught unit. In Addition to that model question papers were prepared as per the semester pattern and supplied to the students. These model question papers help to get accustomed with the new pattern and to enhance the subject knowledge.

iii) Class Room Seminars:

Class room seminars of SEM-I, SEM-II, SEM-III, SEM-IV, SEM-V and SEM-VI were conducted. Reports on the seminar delivered were submitted by the students.

iv) Assignments:

Assignments on various topics were given to the students of SEM-I to VI. Internal assessment marks were allotted on the basis of their performance.

3. Research Work of the Department:

i) Completed Minor Research Project of Hon'ble Dr.D.V.Atkare, Principal:-

Title: 'Preparation and to Study the Characterization of Metal Sulphide-Metal Deposited Nano-Crystal, using Scanning Electron Microscope & Optical Absorption Spectrum.'

Principal Investigator: Dr.D.V.Atkare, Principal

Co-Investigator: Dr. U.E. Chaudhari, H.O.D.Chemistry

Amount Sanctioned (by UGC): Rs. 1,80,000/-

ii) Completed Minor Research Project of Mr. M.A.Mahure, HOD, Dept of Physics:-

Title:- 'Preperation of Conducting from Naturally Occuring Polymer (Synthesised from Plants (CPC) and to study the Conductivity of Conducting Polymers.'

Principal Investigator: Shri. M.A.Mahure
H.O.D. , Dept. of Physics,
M.Phule Arts, Comm. & S. C. Science
Mahavidyalaya, Warud.

Co-Investigator: Dr.U.E.Chaudhari
H.O.D., Dept. of Chemistry,
M.Phule Arts, Comm. & S.C. Science
Mahavidyalaya, Warud.

Amount Sanctioned (by UGC): Rs. 1,40,000/-

iii) Completed Minor Research Project of Mr. Y. S. Tamgadge, Asst. Prof.-

Title:- 'Studies of Non-linear Optical Properties of some Metal & Metal Oxides Nanoparticles and their Composites.'

Principal Investigator: Mr. Y. S. Tamgadge

M. Phule Arts, Comm. & S. C. Science
Mahavidyalaya, Warud.

Amount Sanctioned (by UGC): Rs. 1,40,000/-

- iv) Research work of Miss. A. A. Pakhale Assistant Professor, for Ph.D. degree:-
Title: 'Study of Structural, Electrical and Magnetic Properties of Substituted Lanthanum Mangnite.'
Guide: Dr. P.R.Arjunwadkar, Associate Professor
Institute of Science, Nagpur
- v) Research work of Mr. Y.S. Tamgadge, Assistant Professor:
Ph.D. Thesis submitted:
Title: 'Design and development of nano composites for NLO applications'
Guide: Dr.G.G.Muley, Asst. Prof.
S.G.B. Amravati University, Amravati

4. Research Paper Published in Research Journals:-

- i) Dr. D. V. Atkare, Principal: **01**

Thermally Stimulated Nonlinear Refraction in Gelatin Stabilized Cu-PVP Nanocomposite Thin Films, AIP Conference Proceedings (2015) (Accepted)

- ii) Mr. Y.S. Tamgadge, Asst.Prof: **07**

1. Thermally Stimulated Nonlinear Refraction in Gelatin Stabilized Cu-PVP Nanocomposite Thin Films, AIP Conference Proceedings (2015)
2. Passive optical limiting studies of nanostructured Cu doped ZnO–PVA composite thin films, Opt. Mater. 51 (2016) 175-184.
3. "Studies on nonlocal optical nonlinearity of Sr–CuO–polyvinyl alcohol nanocomposite thin films, Thin Solid Films 595 (2015) 48–55
4. Influence of Surface Passivation by L-Arginine on Linear and Nonlinear Optical Properties of Ag-PVP Nanocomposite, American Journal of Materials Science (2015), 5 (3A): 21-30
5. Synthesis, Characterization and Optical Properties of L-Arginine Stabilized Gold Nanocolloids, Nanoscience and Nanotechnology 2015, 5(2): 30-35
6. Thermally stimulated third order optical nonlinearity in Cd doped CuO-PVA thin films under cw laser illumination, Appl. Phys. B (2015) 120:373–381
7. Surface passivation by L-arginine and enhanced optical properties of CdS quantum dots co-doped with Nd³⁺–Li⁺, J Nanostruct. Chem. (2015) 5:205–212

5. Meritorius Students of the Department:

1. Ku. Chaaya P. Wankhade (89.96%) – S G B Amravati University **Merit Rank: IV**
2. Ku. Ruksar Parween Sheikh Hanif (87.96%)
3. Ku. Anuja D. Kene (84.51%)

4. Ku. Dipika R. Arora (84.25%)
5. Ku. Priyanka P. Ajankar (84%)

6. Statistical data of SGB Amravati University Exam Result for academic year 2014-15:

1. No. of students scoring 75% and above : 29
2. No. of students scoring 60-74.9% : 38
3. No. of students scoring 55-59.9% : 11

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DEPARTMENT OF PHYSICS

ANNUAL REPORT (2014-15)

During academic year 2014 - 15 teaching work started from 9th June, 2014. Department has under graduate courses. Four teachers (3+1) are working as senior (UG) and one is at junior college. Nine CHB teachers are working during this year.

2. Departmental Activities:-

Students' physics association (UG - Level) has been formed on 5th Aug. 2014. Hon'ble Principal Dr. D. V. Atkare, Patron of the association, Shri M. A. Mahure, Associate Professor & Head and Miss. A. A. Pakhale, Assistant Professor as a convenor of the association and Shri. Y. S. Tamgadge, Assistant Professor as an In-Charge of the association played their rolls.

i) Office Bearers of the Association:

S.N.	Name	Class	Post
1.	Mr.S.R.Sawant	B.Sc.Part-III	President
2.	Miss.P.P.Ajankar	B.Sc.Part-III	Vice-President
3.	Miss.D.R.Arora	B.Sc.Part-III	Secretary
4.	Mr.G.A.Khodaskar	B.Sc.Part-II	Jiont-Secretary
5.	Mr.R.V.Ganorkar	B.Sc.Part-III	Treasurer
6.	Miss.S.A.Gulhane	B.Sc.Part-II	Executive Member
7.	Miss.B.C.Gadge	B.Sc.Part-II	Executive Member
8.	Miss.S.M.Ganorkar	B.Sc.Part-I	Executive Member
9.	Mr.S.V.Bodkhe	B.Sc.Part-I	Executive Member
10.	Miss.A.N.Barange	B.Sc.Part-I	Executive Member
11.	Mr.H.R.Kshirsagar	B.Sc.Part-II	Executive Member

ii) Inaugural Function of Physics Association:

Inauguration of the association was held on Tuesday, 16th September 2014 at the hands of Hon'ble Chief Guest Dr. V.B.Bhatkar, Associate Professor & Head, Dept. of Physics, Shri Shivaji Science College, Amravati in Dr. Panjabrao Deshmukh Auditorium in presence of Hon'ble Principal Dr. D.V.Atkare as the chairperson of the function. Dr.V.B.Bhatkar delivered a speech on 'LASER and Physics Education'.

2. Activities of Physics Association:

i) Association organized a seminar of the students selected from B.Sc.III, II and I.

ii) Unit Tests:

Department conducted unit wise class tests at the end of each taught unit. In Addition to that model question papers were prepared as per the semester pattern and supplied to the students. These model question papers help to get accustomed with the new pattern and to enhance the subject knowledge.

iii) Class Room Seminars:

Class room seminars of SEM-I, SEM-II, SEM-III, SEM-IV, SEM-V and SEM-VI were conducted. Reports on the seminar delivered were submitted by the students.

iv) Assignments:

Assignments on various topics were given to the students of SEM-I to VI. Internal assessment marks were allotted on the basis of their performance.

3. Ongoing Research Work (Minor Research Project):

i) Minor Research Project of Hon'ble Dr.D.V.Atkare, Principal:-

Title: 'Preparation and to Study the Characterization of Metal Sulphide-Metal Deposited Nano-Crystal, using Scanning Electron Microscope & Optical Absorption Spectrum.'

Principal Investigator: Dr.D.V.Atkare, Principal

Co-Investigator: Dr. U.E. Chaudhari, H.O.D.Chemistry

Amount Sanctioned (by UGC): Rs. 1,80,000/-

ii) Minor Research Project of Mr. M.A.Mahure, HOD, Dept of Physics:-

Title:- 'Preperation of Conducting from Naturally Occuring Polymer (Synthesised from Plants (CPC) and to study the Conductivity of Conducting Polymers.'

Principal Investigator: Shri. M.A.Mahure
HOD, Dept of Physics,
Mahatma Fule Arts, Commerce and Sitaramji
Chaudhari Science Mahavidyalaya, Warud.

Co-Investigator: Dr.U.E.Chaudhari
HOD, Department of Chemistry,
Mahatma Fule Arts, Comm. & Sitaramji Chaudhari
Science Mahavidyalaya, Warud.

Amount Sanctioned (by UGC): Rs. 1,40,000/-

iii) Minor Research Project of Mr. Y. S. Tamgadge, Asst. Prof.-

Title:- 'Studies of Non-linear Optical Properties of some Metal & Metal Oxides Nanoparticles and their Composites.'

Principal Investigator: Mr. Y. S. Tamgadge
Mahatma Fule Arts, Comm. & Sitaramji Chaudhari
Science Mahavidyalaya, Warud.

Amount Sanctioned (by UGC): Rs. 1,40,000/-

iv) Research work of Miss. A. A. Pakhale Assistant Professor, for Ph.D. degree:-

Title: 'Study of Structural, Electrical and Magnetic Properties of Substituted Lanthanum Manganite.'

Guide: Dr. P.R.Arjunwadkar, Associate Professor
Institute of Science, Nagpur

v) Research work of Shri. Y.S.Tamgadge, Assistant Professor:

Registered for Ph.D. degree in 2012:

Title: 'Design and development of nano composites for NLO applications'

Guide: Dr.G.G.Muley, Asst. Prof.

S.G.B. Amravati University, Amravati

4. Research Paper Published in Research Journals:-

- i) Dr. D. V. Atkare, Principal: 01
- ii) Mr. M. A. Mahure, Associate Professor: 01
- iii) Miss. A.A.Pakhale, Asst.Prof.: Nil
- iv) Mr. Y.S.Tamgadge, Asst.Prof: 10

5 Research Paper Published in Conference Proceedings:-

- i) Miss. A.A.Pakhale, Asst.Prof.: 01
- ii) Mr. Y. S. Tamgadge: 02

6. Merit Students of the Department:

1. Ku. Pallavi D Bhongade (6th Merit, 3 Gold and 1 Silver Medals in Physics)
2. Ku Riya R Tekade (8th Merit)
3. Ku. Minal K. Pawar (10th Merit)

7. Any other activity:

Mr. Swapnil Sawant, BSc. III has participated in the State level Seminar Competition.