



Rani Laxmibai Mahavidyalaya Parola

Dist.Jalgaon 425111 Tel:-02597-292665,292666

U.G.C-2F&12B(8-211/2005CPP-1D:2011)

Website: www.rlcollegeparola.org | E-Mail: principalrlcparola@gmail.com

Ad.Kakasaheb Vasantrya More

Ex.Member of Parliament
President

Dr. V.R.Patil (Principal)

Mob-9373459332

E-mail:- vasupatil13@gmail.com



3rd Cycle

Assesment and Accreditation

Criterion - III

Research, Innovations and Extension

Key Indicator: 3.2 Innovation Ecosystem

3.2.1: Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident

Establishment : June 1992

SSPM'S



Rani Laxmibai Mahavidyalaya Parola

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Outward No.


Date : / / 20

DECLARATION

This is to declare that the information, Reports, true copies of the supporting documents, numerical data etc. submitted / presented in this file is verified by Internal Quality Assurance Cell (IQAC) and is correct as per the records. This declaration is for the purpose of NAAC Accreditation of HEI for 3rd Cycle period 2018-2019 to 2022-2023.

Date: 20/07/2023

Place: Parola


Coordinator, IQAC
Rani Laxmibai Mahavidyalaya
Parola, Dist. Jalgaon




Principal
PRINCIPAL
Rani Laxmibai Mahavidyalaya
Parola, Dist. Jalgaon



Sahajivan Shikshan Prasarak Mandal (Tehn) Sanchalit

**RANI LAXMIBAI MAHAVIDYALAYA
PAROLA, DIST - JALGAON, 425111**

ESTD: 1992



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3.2.1 Institutions has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR Cell, Incubation Center and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident

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Coordinator, IQAC
Rani Laxmibai Mahavidyalaya
Parola, Dist. Jalgaon
Co-Coordinator
IQAC




PRINCIPAL
Principal
Rani Laxmibai Mahavidyalaya
Parola, Dist. Jalgaon

Established: June 1992

Sahajivan Shikshan Prasarak Mandal (Tehu) Sanchalit



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Criterion 3 Research, Innovation & Extension

3.2 Innovation Ecosystem

3.2.1 Institution has created an Ecosystem for innovation and has initiatives for creation and transfer of knowledge



Established: June 1992

Sahajvan Shikshan Prasarak Mandal (Tehu) Sanchalit



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Criterion 3
Research, Innovations
&
Extension

Research Policy





Sahajivan Shikshan Prasarak Mandal (Telus) Saachalit
RANI LAXMIBAI MAHAVIDYALAYA
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Staff Research and Innovation Policy - 05

Sr.No.	Policy Title	Research and Innovation Policy
1	Policy Number-05	Functional Area- Research Criterion: - III
2	Brief Description of the policy	Staff achievement Awards to Incentivize and recognize academic research by teachers of the college.
3	Drafting	Internal Quality Assurance Cell (IQAC)
4	Policy Supplied to	The Teaching staff of the college
5	Effective from the date	15/10/2021
6	Approved by	College Development Committee (CDC)
7	Responsible Authority	Internal Quality Assurance Cell (IQAC)
8	Superseding Authority	Principal of the College
9	Last Reviewed/ Updated	N.A.
10	Main Objective of the Policy	To encourage the teachers of the Undergraduate college To Undertake quality research in their respective and interdisciplinary field.
11	References for the Policy	Affiliated University/UGC guidelines for research. https://www.ugc.ac.in/old_xplanpdf/research award.pdf


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Introduction: -

Research is an important angle to assessment of the quality of any Higher education institutions. Our college aim to promote research activities and improve overall research performance of staff members. The quality of teaching and learning can enhance by research activities. The knowledge of research will be further circulated through the classroom teaching by way of innovative and increase of some desirable quality of education. This policy is a step towards implementation Research culture among the teachers and students of the college.

Policy Statement: -

To encourage the staff of the college to undertake to undertake quality research, the college is instituting research grant and incentives in various categories.

Policy Objectives: -

- ❖ To encourage UG teachers of the college to Undertake research.
- ❖ To enhance the quality of research undertaken by the teachers of the college.
- ❖ To promote outstanding and exceptional contributions in research and innovating teaching.
- ❖ To inspiring teachers to shine in their fields and contribute significantly in the institute and society.
- ❖ To institutionally compliment and recognize outstanding contributions in academic research, innovative education etc.

Features of the Policy: -

- 1) Awards instituted by Internal Quality Assurance Cell of the college.
- 2) Awards funded by all teachers.



- 3) The staff achievement awards will be accompanied with certificate and financial incentives. The awards ceremony will be prestigious event in the annual celebration program of the college.
- 4) Eligibility: - The permanent teaching staff, Adhoc and contractual employees of the college will be eligible for the college staff achievement awards.
- 5) Applications: - IQAC will invite self or recommended application with proof is accepted.
- 6) Selection Process: - The Principal and IQAC coordinator will be select the form of eminent scholar.

List of Awards: -

Sr.No.	Name	Nature of Awards
1	Research award (higher no.of research paper)	Our Institute is always striving for the development of staff and students. All the employees who have done remarkable work through the organization, selected in various fields, received awards, and also presented excellent papers in state level, national level, and International level conferences, were honored. For government, university and social work were given certificates and Mementoes by the dignitaries in the annual convocation (Gathering) of the college.
2	Patent award	
3	International Reputation	
4	Recognition award	
5	Teachers award	
6	Research grant	
7	Research incentive	
8	Research paper published	



7) Processes and Procedure: -

- ❖ The IQAC will issue a formal notification regarding the awards at the beginning of each academic year.
- ❖ Dult filled application from for the award to be forwarded IQAC of the college.
- ❖ Meeting of IQAC and select final award and announce.

Key performance indicator (KPIs)

- All the teachers in the college awarded who are applied for the awards.
- The number of applications, number of awards, no.of research paper with impact factor and number of research paper presented by student's etc. take in to consideration for announce the award.

Audit Documents: -

The audit will check it all the process have been done properly without any bias. The following documents will scrutinize –

- 1) The notification issued by the IQAC of the college
- 2) Application form received along with proof.
- 3) Recommendations of selection committee.
- 4) Final decision of the awards.
- 5) Minutes of IQAC body meeting related to awards.


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Community Services Policy (CSP)

Sr.No.	Policy Title	Research and Innovation Policy
1	Policy Number-06	Functional Area- Outreach Campus Criterion: - III
2	Brief Description of the policy	Staff achievement Awards to Incentivize and recognize academic research by teachers of the college.
3	Drafting	Internal Quality Assurance Cell (IQAC)
4	Policy Supplied to	The Teaching staff of the college
5	Effective from the date	15/10/2021
6	Approved by	College Development Committee (CDC)
7	Responsible Authority	Internal Quality Assurance Cell (IQAC)
8	Superseding Authority	Principal of the College
9	Last Reviewed/ Updated	N.A.
10	Main Objective of the Policy	To encourage the teachers and the Undergraduate college students To Undertake Social responsibility in their respective and interdisciplinary field.
11	References for the Policy	Affiliated University/UGC guidelines

- **Introduction:** Rani Laxmibai Mahavidyalaya Parola believes that community services are the Moral obligation of the college. The students of our institution should bring make good and responsible citizen in the


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country through social service activities. The institution recognizes that higher education needs to play a significant role build up society with moral values. The aim of our institution is "Personality development through community services" for the better society. Keeping in this mind, Rani Laxmibai Mahavidyalaya adopts duty in order to ensure that students and staff members reach in the society, spread and serve humanity through social services and awareness. Our college NSS units always try to community services through the various activities.

- **Policy Statement:**

In the effort to encourage the staff and student of the college undertake Community Services.

- **Objectives:**

- To make students society responsible citizens who are sensitive to the needs of the disadvantaged sections.
- To solve the community problems.
- To acquire leadership qualities.
- To acquire democratic attitude.
- To development of own personality.
- To gain skill in mobilizing community participation.
- To practice national integration and social harmony.

- **Features of community services:**

- **Volunteering in society-** Become volunteer referee with a local youth team in the society. Volunteers to help others and serve.
- **Clean up the roads-** Organize NSS volunteers group camp to help clean or pick up single time used plastic thing in the neighborhood, clean up the local playground, fort area, Bus stop area, local market area, civil hospital area etc.
- **Collect the food-** Collect the food donation for the homeless. Create grocery baskets with essential food items for distribution to a local poor people.

- **Awarded Institution by:**

The three best volunteers awarded by organization and University.

- **Nature of awards:**



Awards will be accompanied with certificate, trophy and 251 rupees financial incentive. The awards ceremony will be held in annual college celebration.

- **Eligibility:**

The teaching staff and admitted students in the college.

- **Applications:**

IQAC invite the application in prescribed form for each academic year. It is recommended by NSS coordinator and at least one HOD of the college.

- **Selection Process:**

The selection process will be initiated by the IQAC of the college.

- **List of award:**

- i. College Level**


Name of award	Award
Best volunteers group	Trophy and certificate
Best volunteer male student	Trophy and certificate
Best volunteer female student	Trophy and certificate

- ii. University Level**

Name of award	Award
Best volunteers group	Trophy, certificate
Best volunteer male student	Trophy, certificate
Best volunteer female student	Trophy, certificate

Process-

- The IQAC will issue a formal notification the awards.
- IQAC will accept duly filled application form from staff and students.
- Meeting of IQAC.
- Final awards decided and announce.
-


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Criterion 3 Research, Innovations & Extension

Academic Research Committee/ Innovation and Start up cell





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Website: www.ricollegeparola.org | E-Mail: principalrparola@gmail.com**Ad. Kakasaheb Vasantrao More**Ex. Member of Parliament
President**Dr. V.R. Patil (Principal)**

Mob-9373459332

E-mail:- vasupatil13@gmail.com

Date : / / 20

Outward No.

**Committee No. 5
Research and Development Cell****Coordinator**
Prof. Dr. Kiran D. Ahirrao
M.Sc. Ph.D. FZSI

- Higher Education Institutions (HEI) act as catalyst for spreading research and quality education among the students.
- SSPMS Rani Laxmibai Mahavidyalaya has taken up the initiatives of establishing a research and development cell as mandated by government of India, UGC and affiliated university for creation and transfer of knowledge and develop the research ecosystem in the college campus.
- Research and development cell works through the human, intellectual and financial capitals, research promotion and guidance, innovation and incubation center, industry and government collaboration at local, state & national levels.
- Research and development cell act as nodal center of ideation and concept of research carried out the training programs by conference and seminars.
- Research and Development cell always tries to keep the research culture among the students and faculty.
- Faculty of institution completed and on going sectioned minor / major research project.
- In our institute there are **10** number of research guides, **03** number of research centers.
- Research centers actively carried out research and development activities and create the research environment the college campus.
- In our Research and Development centers **13** number of students works as research for Ph.D. degree and **07** students obtained Ph.D. degree through our college Research and Development centers.
- In our institutions there are **10** faculty recognized as research guide by affiliated university.



**Names and Contact Details of Research and Development Cell-
Research Advisory Committee constituted consisting of following research guide**

Sr. No.	Name of the member	Position	Contact Number
1	Prof. Dr. D. R. Patil	Chairman	9860335029
2	Dr. D. N. Suryawanshi	Mamber	9423938247
3	Dr. G. P. Borse	Member	9421519085
4	Dr. S. N. Salunkhe	Member	9420348619
5	Dr. A. M. Patil	Member	9423902890
6	Dr. C. R. Patil	Member	9421514495
7	Dr. R. B. Nerkar	Member	9421611771
8	Dr. M. R. Karanje	Member	7888277210
9	Dr. V. S. Ghuge	Member	8788799101
10	Prof. Dr. K. D. Ahirrao	Coordinator	9422784578

**Activities and Reports-
Research Projects:**

Sr. No.	Name of Researcher	Title of the Project	Funding Agency	Amount
1	Dr. G. P. Borse.	Analysis of Soil and Water sample	Rajiv Gandhi Science and Technology Mumbai	2.25 Lakhs
2	Dr. K. D. Ahirrao	Molecular approach in understand the genetic diversity of mosquitoes from the Maharashtra by using COI gene I	UGC	8.4 Lakhs

Research Cell Activities

Sr. No.	Activity
1	Research Guide List
2	Research Paper of last five years (From 2017-2018 to 2022-2023)
3	Books
4	M.Phil. Ph.D. Thesis Titles
5	Research Policy
6	Recognition of research center (Physics, Chemistry and Mathematics)
7	Innovation activities






3.2 Innovation ecosystem

Rani Laxmibai Mahavidyalaya, Parola, Dist. Jalgaon has responsibility to fulfill the needs of Urban, rural and deprived elements of society in terms of poverty, education knowledge, innovations and permanent solution to their problems.

- In the same perspective, Institute has constituted Academic Research committee of eminent faculties of Mahavidyalaya for maintained a research environment in the campus and overall.
- The institutional ecosystem is serving to bring up innovative and creative ideas by research skills.
- Exhibition and poster presentation on innovation are also organized by Academic research committee one time in per year.
- The best facilities with instrumentation, library, interment services, guidance etc. are available in the institution. So that it help researcher.
- In the institution also established best innovative nanotechnology laboratory, soil and water analysis laboratory, scientific yoga training, plant nursery training, training of handling sophisticate instruments etc. it will also help to researchers.
- Library resources such as reference book, journals, INFLIBNET help update in the research field.
- Due to this research atmosphere institution has resulted in the significant number of research publications in national and international journals.
- The research scholars are cultivated their research and innovation ideas through and ecosystem.
- Institution motivates, encouraged and trained the stake holders through well-defined performance appraisal system to their academic, research, skills etc.
- ARC encouraged to faculties for participation in seminar, conferences and workshops. It helps to develop the knowledge among students and encouraging for participation in scientific research activities such as science quiz, Avishkar, Science exhibition etc.
- ARC encourage to faculty for research work, recognitions of laboratories for research, research guide ships, research projects etc.
- Institution also encourage to faculties to submit research proposal to government and non-government funding agencies.
- HEI has well defined and audited research policy, it helps to guide research student on ethics. Completion of Ph.D. Publish number of research papers.
- Institute developed excellent research laboratories of Physics, Chemistry and Mathematics with the support of college management and government funds.
- Consultancies are provided to the farmers in the area of vermi composting soil and water testing, plant nursery etc.

- Research centers also provided excellent facilities to the research scholars in the area of flame photometry, Nanotechnology, tissue culture, soil sampling water analysis etc.
- HEI established innovation and incubation center to sport and enhance the innovative ideas among the stake holders and developed the entrepreneurship skill.
- Physics and Environment department assigned the research projects to include the research environment.
- Department of chemistry organized hands on training skills training, it provided to the students and faculties to enhance their confidence and skills.
- Workshops on research methodology and IPR are conducted periodically with students and research scholars.
- Institute also encouraged the students to participation in Avishkar competition for innovative projects through their research and creative thinking.
- Institute has three recognized research centers Chemistry, Physics and Mathematics for M.Phil./ Ph.D. 11 guides and 16 are registered students and 07 Ph. D. awarded. Research paper Publications are 135 and 21 books published by faculties and research students.
- For the research and an innovative ecosystem institute established collaborations and 15 signed MOU with various universities and stakeholders.
- The virtual classroom becomes highly useful during covid-19 pandemic periods.
- Competitive examination guidance, carrier guidance, value added courses/ add on courses/ certificate courses, extra curriculum activities have created helping favorable environment for innovation and research activities.


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Criterion 3 Research, Innovations & Extension

Reports of Activities Conducted by Innovation, Incubation and
Startup cell



Established : June 1992

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NAAC Accredited "B" Grade

Incubation Centre

The ecosystem for encoring innovations and inspiring prototype development that could incubated to create successful start-ups has been created over a period of time in a systematics fashion in our college.

The following incubation centre have been setup with specific goals to achieve the desired outcomes from research and teaching.

Sr.No.	Name of Incubation Centre
1	Soil and Water Analysis Lab
2	Vermi compost training centre: - (Eco-Friendly technique)
3	Nursery skill development centre
4	Nanotechnology lab

The following steps for running the incubation centre:

- Identify local problems in the society.
- Build team of experts from various disciplines to explore solution for identified problems.
- Setup team for solve problems.
- Come up with an innovation that addresses the issue.
- Interact with the experts.
- To promote new technology / innovations based start-up.
- To build start up ecosystem by establishing network of experts, consumer, customers, financial etc.



Empowered committee 2017-18 to 2019-20

Sr.No.	Name of Member	Post	Position
1	Mr.B.V.Patil	President	Principal
2	Dr.G.P.Borse	Member	Asst. Professor
3	Mr.S.N.Patil	Member	Asst. Professor
4	Dr.D.R.Patil	Member	Associate Professor
5	Dr.K.D.Ahirrao	Member	Associate Professor
6	Mr.D.H.Rathod	Member	Asst. Professor
7	Dr.C.R.Patil	Member	Asst. Professor

Empowered committee 2020-21

Sr.No.	Name of Member	Post	Position
1	Dr.D,R,Patil	President	Principal
2	Dr.G.P.Borse	Member	Asst. Professor
3	Mr.S.N.Patil	Member	Asst. Professor
4	Dr.K.D.Ahirrao	Member	Associate Professor
5	Mr.D.H.Rathod	Member	Asst. Professor
6	Dr.C.R.Patil	Member	Asst. Professor

Incubation Policy

Vision: To provide the support for faculty members research scholars, UG students in converting their ideas into the start up and shopping to evolve entrepreneurs.

Mission: The incubation centre of Rani Laxmibai Mahavidyalaya Parola will create an ecosystem that will foaster, support innovation among the faculty, UG students and research scholar to transfer knowledge into creation of wealth.

Objectives:

- To create the awareness about the importance of entrepreneurship among the students.
- To promote innovation-based start-up.
- To enhance skill.
- To build start-up ecosystem.



Eligibility criteria:

Any individual or group of admitted students.

Admission Procedure:

Admitted student register their name to the the coordinator of incubation centre.

Admission fee: No any admission fees.

Infrastructure for incubators:

- Laboratory space.
- Computers.
- Internet connection.
- Furnitures
- Xerox.
- Projector.
- Scanner.
- Library facilities.
- Mentoring services.

Coordinator
IQAC


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Activity Report

Sr.No.	Activity	Details of activity
1	Title of Activity	Soil and Water analysis centre
2	Date of Activity	2016 to Continue
3	Name of Resource Person	Dr.G.P.Borse
4	Coordinator	Dr.G.P.Borse
5	Report	Our institution aim is to provide the ecosystem for innovation to the students and teacher through it transfer the knowledge and helps to needful. In our college set up soil and water analysis centre. It trains to students for soil and water analysis by various scientific methods. Institution held training programs in the college. This centre guide to farmers about properties and contents present in the soil and water. It helps to farmers to plan the crops.
6	No. of Participants	30 Students Every Year
7	List of Participants	Attached
8	Photos	




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Activity Report

Sr.No.	Activity	Details
1	Title of Activity	Soil and Water analysis centre
2	Date of Activity	Since-2016
3	Name of Resource Person	Dr. Vikas Patil(BCUT, KBC,NMU, Jalgaon)
4	Coordinator	Dr.G.P.Borse
5	Report	Our institution aim is to provide the ecosystem for innovation to the students and teacher through it transfer the knowledge and helps to needful. In our college set up soil and water analysis centre. It trains to students for soil and water analysis by various scientific methods. Institution held training programs in the college. This centre guide to farmers about properties and contents present in the soil and water. It helps to farmers to plan the crops.
6	No. of Participants	12
7	List of Participants	Attached
8	News	---




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Activity Report

Sr.No.	Activity	Details
1	Title of Activity	Vermi compost training centre: - (Eco-Friendly technique)
2	Date of Activity	15/08/2019
3	Name of Resource Person	Prin.B.V.Patil
4	Coordinator	Mr.S.N.Patil , Dr.C.R.Patil
5	Report	Our institute also aware to students and society about the benefit of organic farming. It help to farmers for better yield of crops. So that, institute develop training skill and team work spirit among the students and society. The institute try to train the students and farmers about vermi composting and aware them to make their own unit. This is the main aim and objective of this centre.
6	No. of Participants	149
7	List of Participants	Attached
8	News	---




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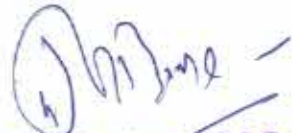



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Activity Report

Sr.No.	Activity	Activity Details
1	Title of Activity	Nursery
2	Date of Activity	15/07/2017
3	Name of Resource Person	Kakasaheb Vasantao More Chairman R.L.College, Parola
4	Coordinator	Dr.D.H.Rathod
5	Report	Institute always help to protect earth through organized various social programs in the college as well as other places. It aware to students and society about environment and global warming. So that in our college a special nursery unit is established (2019-20) in which number of plants grows by modern methods with the help of students. In the monsoon season these plants are planted in the open space, road sides, college, high school area, adopted village. The institute also distributes the plants in free of charge to society. Important guests who come to the college are also welcomed by giving a tree gift.
6	No. of Participants	40 to 50 students Participate every year
7	List of Participants	




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Activity Report

Sr.No.	Activity	Activity Details
1	Title of Activity	Research work on Nanotechnology at Bulk and Nanomaterials Research Laboratory
2	Date of Activity	From 2016-17
3	Name of Resource Person	Dr.D.R.Patil
4	Coordinator	Dr.D.R.Patil
5	Report	<p>Introduction:</p> <p>Number of researchers are working in the field of nanotechnology and its applications. They require lots of expenditure, huge instrumentations, qualifying tests, waiting for initiation of work, waiting for guide's consent letter, constraints raised by universities and institutions, etc. By considering all these constraints, the students from rural region go far away from this technology and we loss the innovative ideas even from rural students. So, we have established the laboratory in our institution in rural region, so that, the students from rural region can understand that, no such constraints are occurred during the research work in the field of any technology. We can initiate our work at very low cost and with the help of smaller / portable instruments. If necessary, we can heir huge instruments from the universities or any other reputed institutions.</p> <p>Keeping all these things in mind, we have established the laboratory, in which, we are doing the synthesis of nanomaterials, fabrication of thick films by screen printing, thin films by chemical bath deposition technique, modifying the materials by doping technique, surface activation of thick films by dipping technique, converting the ceramic materials to semiconducting materials only by disturbing the stoichiometry by thermal treatment, study of electrical behaviour of the materials, study of gas sensing performance of the synthesized materials, food freshness detection, solar cell and photo cell performance of the materials, etc. All these works from synthesis of the materials to its entire applications on</p>


Coordinator, IQAC
 Rani Laxmibai Mahavidyalaya
 Parola, Dist. Jalgaon




PRINCIPAL
 Rani Laxmibai Mahavidyalaya
 Parola, Dist. Jalgaon

gas sensors, photo cell, solar cell, etc. are being performed in our laboratory, at a very low cost. We have involved our UG students in this work, at totally free of cost. Our students offered Physics at special level, also doing the project works in this laboratory. Not only involved our students, but the research scholars from few reputed institutions and universities in India, also performed their research work under the guidance of Prof. D. R. Patil, totally at free of cost.

Objectives:

The following objectives are to be kept in front of the eyes during the projects:

1. To involve UG students in nanotechnology at a totally free of cost,
2. To enable the students to know about the basics of nanotechnology,
3. To assure the students that, the work can be done at a very low cost and at our laboratory in rural region. Huge instrumentations, high cost and well reputed laboratories are not necessarily required to do work in nanotechnology field,
4. To enable the students to synthesize the nanomaterials,
5. To enable the students to fabricate the thin films as well as thick films,
6. To introduce the gas sensors, solar cells, food freshness detection, disease diagnosis, power generation, etc. to the students participated.
7. To enable the students to participate in National and International Seminar, Conference, Workshop, Avishkar, a research festival organized by our university, etc.

Project outcome:

All our students those offered Physics at special level have participated in the projects on nanotechnology and at free of cost. Students acquired extra skills about the need of nanotechnology, synthesized the nanomaterials, fabricated thin and thick films,



		<p>achieved the self-confidence to do work at our village, and acquired the basic knowledge and need of gas sensors, photo cells, solar cells, food freshness detection and disease diagnosis, etc.</p> <p>Many of our students and the research scholars from outside participated in national and international level seminars, conferences and presented their work in front of the researchers from all over India. Also, they have published the research papers in reputed journals of international repute.</p>
6	No. of Participants	Since 2017-18 – 35 students
7	List of Participants	Attached
8	Photos	

Importance and Applications of Nanotechnology with Special Reference to UG Students

Introduction:

We found a very wide range of applications of nanotechnology in various fields' viz. energy generation, environment, electronic and optoelectronic devices, agriculture, healthcare, biomedical field, textile industries, defense, security, mechanical field, etc. as shown in the following figure 1. However, unfortunately, the students after completing their post graduate studies are working in such technological fields. So, it's the need to percolate such technology at the grass route level of the society. This can be achieved only if the large numbers of students are involved in the nanotechnology, irrespective of their UG / PG education. Taking this point in to consideration, the Department of Physics decided to involve the UG level students in to the research done at our laboratory.

Objectives:

The following objectives are to be kept in front of the eyes during the projects:

1. To involve UG students in nanotechnology at a totally free of cost,
2. To enable the students to know about the basics of nanotechnology,
3. To assure the students that, the work can be done at a very low cost and at our laboratory in rural region. Huge instrumentations, high cost and well reputed laboratories are not necessarily required to do work in nanotechnology field,



4. To enable the students to synthesize the nanomaterials,
5. To enable the students to fabricate the thin films as well as thick films,
6. To introduce the gas sensors, solar cells, food freshness detection, disease diagnosis, power generation, etc. to the students participated.
7. To enable the students to participate in National and International Seminar, Conference, Workshop, Avishkar, a research festival organized by our university, etc

Project outcome:

All our students those offered Physics at special level have participated in the projects on nanotechnology and at free of cost. Students acquired extra skills about the need of nanotechnology, synthesized the nanomaterials, fabricated thin and thick films, achieved the self confidence to do work at our village, and acquired the basic knowledge and need of gas sensors, photo cells, solar cells, food freshness detection and disease diagnosis, etc. students

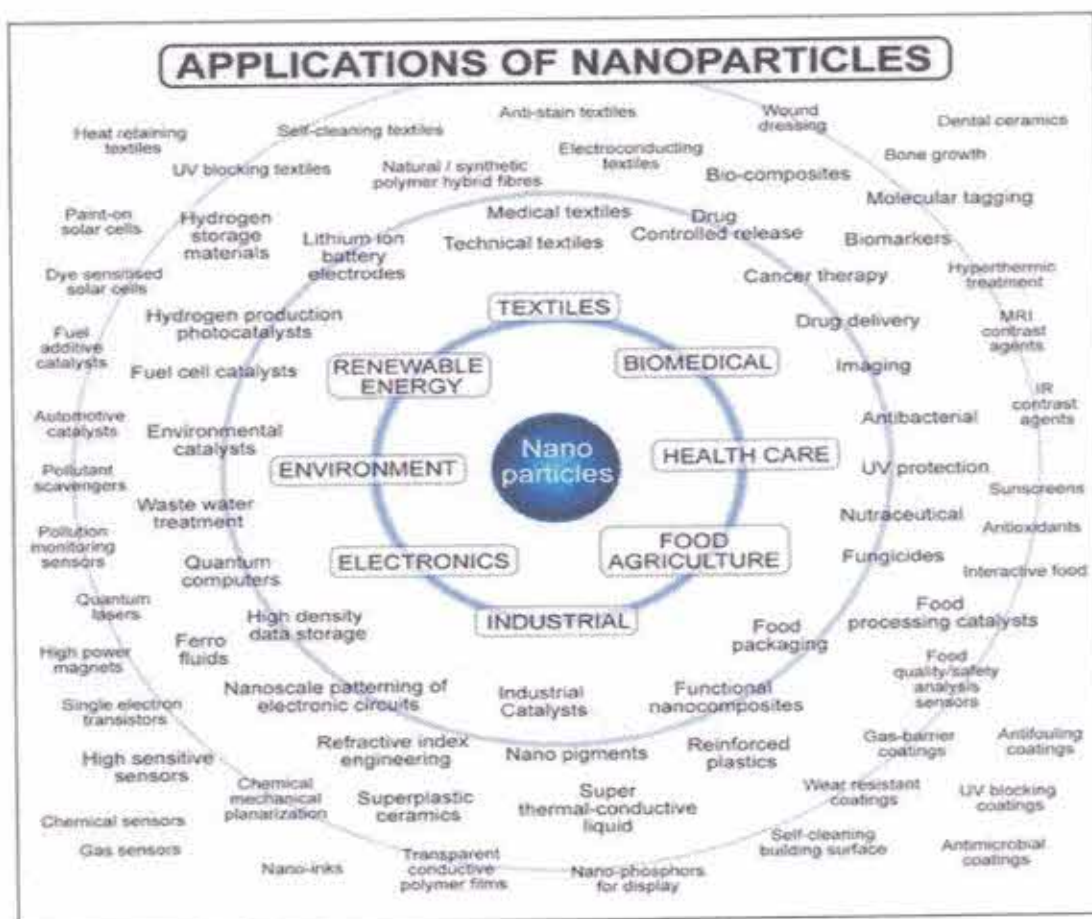


Fig. 1: Applications of Nanotechnology



Established: June 1992

Sahajvan Shikshan Prasarak Mandal (Tehu) Sanchalit



Rani Laxmibai Mahavidyalaya Parola

Dist. Jalgaon 425111 Tel: (02597) 292666

Web : www.rcollegeparola.org
Email : principalrcparola@gmail.com

Outward No.

Date : / /20

Criterion 3 Research, Innovations & Extension

Infrastructure of Research Centre for M. Phil/ Ph.D.



3.2) Innovation Ecosystem: -Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

Activity Report

Sr.No.	Activity	Details
1	Title of Activity	Research centre - Chemistry
2	Date of Activity	2014-15 to Continue
3	Name of Resource Person	Dr.Vikas Patil
4	Coordinator	Dr.G.P.Borse
5	Report	Research is an important aspect of assessment of the quality of any higher education institutions. Our institution aims to promote research activities and improve overall research performance of staff members and students. Research inputs will enhance the quality of teaching and learning processes the knowledge to create will be further disseminated through classroom teaching by way of innovative and enriched pedagogy. This policy is a step towards inculcating research culture among the staff members and students of the college.
6	No. of Participants	04 to 05 Students Every Year
7	List of Participants	Attached
8	Photos	Attached




Coordinator, IQAC
 Rani Laxmibai Mahavidyalaya
 Parola, Dist. Jalgaon




PRINCIPAL
 Rani Laxmibai Mahavidyalaya
 Parola, Dist. Jalgaon



**KAVAYITRI BAHINABAI CHAUDHARI
NORTH MAHARASHTRA UNIVERSITY, JALGAON**



Procedure for recognizing College / Institution as an approved Center for
**Post Graduate Research Laboratory in Chemistry at
Rani Laxmibai Mahavidyalaya, Parola Dist. Jalgaon**

Part-I

Sr. No.	Information to be furnished by College / Institution	Observations
A	The subject and/or its branch, if any, in which recognition for Post Graduate research is sought	Chemistry
B	Approximate number of students to be registered by research in that subject for which recognition is sought	04
C	The names of the teachers recognized or recognizable for guiding Post Graduate research in the subject, together with their academic qualification, research experience and research publications	1. Late Dr. Pravin Madhavrao Yeole <i>M. Sc. Ph. D.</i> Research Experience: 14 Years Publications: 18 2. Dr. Gokul Punju Borse <i>M. Sc. Ph. D.</i> Research Experience: 13 Years Publications: 07 3. Dr. Sanjay Vasantao Chavan <i>M. Sc. Ph. D.</i> Research Experience: 12 Years Publications: 05
D	Certificate by the College/Institution that optional freedom will be provided to recognized research guide (s) also necessary administrative and financial support, if needed will be provided.	Certificate is attached
E	Space available for research laboratory/ laboratories giving details of dimensions. Furniture etc. for the exclusive use of the Post Graduate research students.	25 x 15 Sq. Ft. (Research Lab)
F	Apparatus and Equipment available for the research in relation to the number of research students to be registered.	Instruments list is attached separately with PC and internet connectivity
G	Provision of recurring grant available for Post Graduate research in the subject for which recognition is sought.	From College funds
H	Library facilities: A list of standard books and journals in subject of research available and being subscribed in the Library of the College/Institution.	List is attached
I	Details of research work already done in last 5 years in that Institution in the subject for which recognition is sought along with a list of publication of research. Categorize	Ph. D. awarded students: 02 Ph. D. ongoing: 03 + 01 = 04 Publications list is attached

	in National, International conference Proceeding, books, chapters, etc.	
J	Details of number of conferences / symposia / workshop attended / participated by concerned faculty in last 5 years	Papers published (in last 5 years): 03 Conferences: International: 02 National: 05 Workshops: 02
K	Detail number of research projects submitted/ sanctioned/ongoing/completed by the faculty in last 5 years.	01 Completed (2019-20) RGSTC, Funding from: KBC North Maharashtra University, Jalgaon
L	Details of consultancy and/or analytical services rendered by the concerned faculty. Provide details of revenues earned if any, in last 5 years.	Nil
M	Information regarding recognition of the College/ Institution by the universities and the subjects in which such recognition has been granted.	Chemistry

Part-II

Instructions for the college/Institute:

Strengths:

1. Ph. D. awarded to two research students at the center.
2. Sufficient research instruments are available in the laboratory.
3. Research work has been published in the journals.



Weak Point: -----

1. Fuming hood is not available in the laboratory.
2. Ultrasonic interferometer necessary for research topic mentioned by guide is not available in the laboratory.

Recommendations:

1. Specific branch of the research: Chemistry (Inorganic Chemistry)
2. Duration of the recognition: 03 Years
From Academic Year 2019 -20, 2020 -21, and 2021 – 22.
3. No. of research students/per branch of research; As per UGC and KBCNMU Jalgaon rules.
 - i. Dr. G. P. Borse (Asst. Professor): 04

As per the observations, we recommend to grant the renewal of recognized Chemistry research laboratory, for three years, as mentioned above.


Chairman

(Prof. Dr. S. S. Rajput)


Committee Member

(Prof. Dr. V. V. Gite)



॥ अंतरी पेटवू ज्ञानज्योत ॥
Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

Umavinagar, Jalgaon - 425 001, (M.S.) INDIA



Research Section

Ref.No. KBCNMU/11/Lab.Recog./380 /2022

Date : 21.01.2022 ✓

To,
The Principal,
Rani Laxmibai Mahavidyalaya,
Parola Dist. Jalgaon.

Sub.: Recognition for Post Graduate Research Lab.
Ref. No.: your letter dated 26.10.2021

Dear Sir,

With reference to the above subject and letter under reference, I would like to inform you that the University has communicated you an expert committee constituted under the Chairmanship of Prof. S.S. Rajput, Dadasaheb Rawal College, Dondaicha Dist. Dhule for the recognition of Post Graduate Research Lab. of your Institute, vide this office letter No. जा.क्र. उमवि/११/प्रयोगशाळा नूतनीकरण/रसायनशास्त्र/३३२८/२०२१, दि.११.१२.२०२१. The committee has visited to your college on 23.12.2021. After verification of existing facilities, the committee unanimously recommended recognition for Research Lab. of your college. (A copy of the committee's report is enclosed herewith for your ready reference and compliance of the conditions/suggestions) and is vide Section 12(7) of MPUA, 2016, approved by Hon'ble Vice Chancellor

In view of the decision taken by the Hon'ble Vice Chancellor on behalf of Academic Council, I am directed to inform you that the University has granted recognition to the Research Lab. of your Institute in the following subjects:

Sr. No.	Subject	Research students allowed	Period of recognition
1.	2.	3.	4.
01	Chemistry	Number of Students as Per UGC and KBCNMU, Jalgaon Norms	Renewal 2019-20 to 2021-22

Please note that the above recognition is granted only for the years mentioned in the column No. 4 of the above statement. If you want renewal to this recognition or recognition to another subject except above, you will have to again submit the new proposal along with necessary fees as per rules.

Thanking you,

Yours sincerely,

Deputy Registrar
Research Section

24P,
Please inform to
chemistry Dept and
file it Encl.: a/a.

C:\Documents and Settings\PD LANGOTE\Desktop\Lab.Rec.doc

(O) : 0257-2258409

(O) : 0257-2257221 & 2257222 & 224

Fax : (91)-0257-2258403 & 2258406

Website : www.nmu.ac.in

E-mail : pvcresearch@nmu.ac.in

Activity Report

Sr.No.	Activity	Activity Details
1	Title of Activity	Physics Research centre
2	Date of Activity	Since 2016-17
3	Name of Resource Person	Dr.D.R.Patil
4	Coordinator	Dr.D.R.Patil
	Report	<p>Introduction:</p> <p>We found a very wide range of applications of nanotechnology in various fields' viz. energy generation, environment, electronic and optoelectronic devices, agriculture, healthcare, biomedical field, textile industries, defense, security, mechanical field, etc. as shown in the following figure 1. However, unfortunately, the students after completing their post graduate studies are working in such technological fields. So, it's the need to percolate such technology at the grass route level of the society. This can be achieved only if the large numbers of students are involved in the nanotechnology, irrespective of their UG / PG education. Taking this point in to consideration, the Department of Physics decided to involve the UG level students in to the research done at our laboratory.</p> <p>Objectives:</p> <p>The following objectives are to be kept in front of the eyes during the projects:</p> <ol style="list-style-type: none"> 1. To involve UG students in nanotechnology at a totally free of cost, 2. To enable the students to know about the basics of nanotechnology, 3. To assure the students that, the work can be done at a very low cost and at our laboratory in rural region. Huge instrumentations, high cost and well reputed laboratories are not necessarily required to do work in nanotechnology field,



		<p>4. To enable the students to synthesize the nanomaterials,</p> <p>5. To enable the students to fabricate the thin films as well as thick films,</p> <p>6. To introduce the gas sensors, solar cells, food freshness detection, disease diagnosis, power generation, etc. to the students participated.</p> <p>7. To enable the students to participate in National and International Seminar, Conference, Workshop, Avishkar, a research festival organized by our university, etc</p> <p>Project outcome:</p> <p>All our students those offered Physics at special level have participated in the projects on nanotechnology and at free of cost. Students acquired extra skills about the need of nanotechnology, synthesized the nanomaterials, fabricated thin and thick films, achieved the self-confidence to do work at our village, and acquired the basic knowledge and need of gas sensors, photo cells, solar cells, food freshness detection and disease diagnosis, etc. students</p>
6	No. of Participants	Research students
7	List of Participants	
8	Photos	


Coordinator, IQAC
 Rani Laxmibai Mahavidyalaya
 Parola, Dist. Jalgaon




PRINCIPAL
 Rani Laxmibai Mahavidyalaya
 Parola, Dist. Jalgaon




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Rani Laxmibai Mahavidyalaya
Parola, Dist. Jalgaon




PRINCIPAL
Rani Laxmibai Mahavidyalaya
Parola, Dist. Jalgaon

Activity Report

Sr.No.	Activity	Details
1	Title of Activity	Research centre- Mathematics
2	Date of Activity	02/12/2021
3	Coordinator	Dr.S,N,Salunkhe
4	Name of Resource Person	---
5	Report	Research is an important aspect of assessment of the quality of any higher education institutions. Our institution aims to promote research activities and improve overall research performance of staff members and students. Research inputs will enhance the quality of teaching and learning processes the knowledge to create will be further disseminated through classroom teaching by way of innovative and enriched pedagogy. This policy is a step towards inculcating research culture among the staff members and students of the college.
6	No. of Participants	04
7	List of Participants	Attached
8	News	---



Coordinator, IQAC
Rani Laxmibai Mahavidyalaya
Parola, Dist. Jalgaon



PRINCIPAL
Rani Laxmibai Mahavidyalaya
Parola, Dist. Jalgaon



॥ अंतरी पेटवू ज्ञानज्योत ॥
Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

Umavinagar, Jalgaon - 425 001, (M.S.) INDIA

Research Section

Ref.No. KBCNMU/11/Lab.Rcog./3229/2021

Date : 02/12/2021

To,
The Principal,
Rani Laxmibai Mahavidyalaya,
Parolal, Dist. Jalgaon-425111.

Sub.: Recognition for Research Lab.(Center)...
Ref. No. : your letter dated 26.10.2021

Dear Sir/Madam,

With reference to the above subject and letter under reference, I would like to inform you that the University has communicated you an expert committee constituted under the Chairmanship of Prof. S. R. Chaudhari, KBCNMU, Jalgaon for the recognition of Research Lab. (Center). of your Institute, vide this office letter No. जा.क्र. उमवि/११/प्रयोगशाळा मान्यता/विज्ञान व तंत्रज्ञान/३००४/२०२१, दि.१३.११.२०२१. The committee has visited to your college on 30.11.2021. After verification of existing facilities, the committee unanimously recommended recognition for Research Lab. of your college. (A copy of the committee's report is enclosed herewith for your ready reference and compliance of the conditions/suggestions). and is vide Section 12 (7) of MPUA, 2016, approved by Hon'ble Vice Chancellor.

In view of the decision taken by the Hon'ble Vice Chancellor on behalf of Academic Council, I am directed to inform you that the University has granted recognition to the Research Lab. of your Institute in the following subjects:

Sr. No.	Subject	Research students allowed	Period of recognition
1.	2.	3.	4.
01	Mathematics	Number of Students as Per KBCNMU and UGC Norms.	New 2021-22 to 2023-24

Please note that the above recognition is granted only for the years mentioned in the column No. 4 of the above statement. If you want renewal to this recognition or recognition to another subject except above, you will have to again submit the new proposal along with necessary fees as per rules.

Thanking you,

Yours sincerely,

(V.V. Talele)
Dy.Registrar, Research



KVP

please inform to
Dr. S.N. Salunkhe and
file it.
Encl.: a/a.

14/12/2021

**KAVAYITRI BAHINABAI CHAUDHARI
NORTH MAHARASHTRA UNIVERSITY, JALGAON**



Procedure for recognizing College / Institution as an approved Center for
Post Graduate Research Laboratory in Mathematics

30/11/2021

Part-I

Sr. No.	Information to be furnished by College / Institution	Observations
A	The subject and/or its branch, if any, in which recognition for Post Graduate research is sought	Mathematics, Science and Technology
B	Approximate number of student to be registered by research in that subject for which recognition is sought	04 (As per UGC and University norms)
C	The names of the teachers recognized or recognizable for guiding Post Graduate research in the subject, together with their academic qualification, research experience and research publications	Dr. Shantaram Narayan Salunkhe M. Sc. Ph. D. Teaching Experience: 24 Years Publications: 16, (List attached)
D	Certificate by the College/Institution that optional freedom will be provided to recognized research guide (s) also necessary administrative and financial support, if needed will be provided.	Undertaking by Principal is attached
E	Space available for research laboratory/ laboratories giving details of dimensions, Furniture etc. for the exclusive use of the Post Graduate research students.	01 Laboratory (15 ft x 12 ft.) 02 Classroom (30 ft x 40 ft) 01 Staff room (20 x 25) 04 Tables and Chair 01 cupboard (Photo's attached)
F	Apparatus and Equipment available for the research in relation to the number of research students to be registered.	04 PCs with internet connectivity 01 Printer (Photo's attached)
G	Provision of recurring grant available for Post Graduate research in the subject for which recognition is sought.	Undertaking by Principal is attached
H	Library facilities: A list of standard books and journals in subject of research available and being subscribed in the Library of the College/Institution.	35 Reference books and about 100 text books (List is attached)
I	Details of research work already done in last 5 years in that Institution in the subject for which recognition is sought along with a list of publication of research. Categorize in National, International conference Proceeding, books, chapters, etc.	05 International Publications (list is attached)
J	Details of number of conferences / symposia / workshop attended / participated by concerned faculty in last 5 years	International: 02 National: 02 Workshops: 05 Short term course: 02
K	Detail number of research projects submitted/ sanctioned/ongoing/completed by the faculty in last 5 years.	Nil

[Handwritten Signature]

Kavayitri Bahinabai Chaudhari
North Maharashtra University,
Jalgaon (382001)
01 DEC 2021
INWARD No. 11524

Established: June 1992

Sahajvan Shikshan Prasarak Mandal (Tehu) Sanchalit



Rani Laxmibai Mahavidyalaya Parola

Dist. Jalgaon 425111 Tel: (02597) 292666

Web : www.ricollegeparola.org
Email : principalrlcparola@gmail.com

Outward No.

Date : / /20

Criterion 3 Research, Innovations & Extension

Research Guide list



Rani Laxmibai Mahavidyalaya Parola

Dist.Jalgaon 425111 Tel:-02597-292665,292666

U.G.C-2F&12B(8-211/2005CPP-1D:2011)

Website: www.ricollegeparola.org | E-Mail: principalrparola@gmail.com

Ad.Kakasaheb Vasantao More
Ex.Member of Parliament
President

Dr. V.R.Patil (Principal)
Mob-9373459332
E-mail:- vasupatil13@gmail.com

Outward No.

Date : / /20

Faculty as Research Guide/ List of Research Guide

Sr.No.	Name of the Guide	Subject	Students allotted
1	Dr.P.M.Yeole	Chemistry	02
2	Dr.G.P.Borse	Chemistry	05
3	Prof. D. R. Patil	Physics	03
4	Dr.D.N.Suryawanshi	Physics	01
5	Dr.S.N.Salunkhe	Mathematics	04
6	Dr. A.M.Patil	Botany	-
7	Dr.C.R.Patil	Botany	-
8	Dr. S.M.Patil	Geography	01
9	Dr.R.B.Nerkar	History	-
10	Dr.M.R.Karanje	History	01
11	Prof. K. D. Ahirrao	Zoology	-

IQAC
Co-ordinator



(Handwritten Signature)
Principal
PRINCIPAL
Rani Laxmibai Mahavidyalaya
Parola, Dist. Jalgaon



Rani Laxmibai Mahavidyalaya Parola

Dist.Jalgaon 425111 Tel:-02597-292665,292666

U.G.C-2F&12B(8-211/2005CPP-1D:2011)

Website: www.rlcollegeparola.org | E-Mail: principalrlcparola@gmail.com

Ad.Kakasaheb Vasantrao More

Ex.Member of Parliament
President

Dr. V.R.Patil (Principal)

Mob-9373459332

E-mail:- vasupatil13@gmail.com

Outward No.

Date : / / 20

M.Phil. Ph.D. Thesis Titles

Sr. No.	Name of Faculty	Stream	Research Subject	Degree	Title	Guide Name	Year
1	Dr. D. R. Patil	Science	Physics	Ph.D.	Studies on ZnO Based Gas Sensors	Dr. L. A. Patil	2007
2	Dr.Raosaheb Bhimrao Nerkar	Arts	History	M.Phil.	खानदेशतील स्वामी शंकरानंद भारती यांचे सामाजिक आणि सांस्कृतिक कार्य	Prin. Dr. B. N. Patil	2009
3	Dr. Sambhaji Babarao Sawant	Arts	Marathi	Ph.D.	दलित वाङ्मयात प्रतिबिंबित झालेला भगवान बुद्धांचा स्त्री विषयक दृष्टीकोण	Dr.Madhav Baswante	2019
4	Dr. Vijay Shravan Ghuge	Arts	Hindi	Ph.D.	Malti Joshi ki kahaniyome chitrit vyakti parivar aur samaj	Dr. K. K. Potdar	2008
5	Dr. RAOSAHEB BHIMRAO NERKAR	Arts	History	Ph.D.	पंडित श्रीधर शास्त्री पाठक व्यक्ती आणि कार्य एक चिकित्सक अभ्यास	Dr. D. N. Wagh	2012
6	Dr Shantaram Narayan Salunkhe	Science	Mathematics	Ph.D.	A study of nonlinear functional differential equations in Banach Algebra.	Prof. M G Timol	2011



7	Prof. Dr. Kiran Ahirrao	Science	Zoology	Ph.D.	Effect of Sevin on Ecophysiological aspects of a Melanoid snail, <i>Melania scabra</i> .	Prof. Dr. A. B. Kulkarni	2003
8	Dr. Dinesh Nagaraj Suryawanshi	Science	Physics	Ph.D.	Spray pyrolyzed TiO ₂ /Cr ₂ O ₃ thin films prepared by spray pyrolysis technique.	Prof. Dr. L. A. Patil	2015
9	Dr. Dinesh Nagaraj Suryawanshi	Science	Physics	M.Phil.	Study of gas sensing properties of Cr ₂ O ₃ thick films.	Prof. Dr. L. A. Patil	2009
10	Prof. Dr. Manish Raghunath Karanje	Arts	History	M.Phil.	Shrimant Pratap Seth ji vyakti Hani karya	Dr. Sunil Chandrakant Amrutkar	2009
11	Prof. Dr. Manish Raghunath Karanje	Arts	History	Ph.D.	अमरनेर तालुक्यतेल धार्मिक सामाजिक सांस्कृतिक आर्थिक राजकी कार्य इतिहास आडावा	Dr. Sunil Chandrakant Amrutkar	2022
12	Mr. Sunil Chhaganrao Patil	Arts	Economics	M.Phil.	The Economics study of VAT System in unorganised sector of Nagpur city for year 2006--2008.	Dr. R. M. Naik.	2009
13	Dr. Deelip Harsing Rathod	Arts	Political science	M.Phil.	वसंतराव नाईक यांच्या नेतृत्वाखाली	Dr. Shubhangi Rathi	2009
14	Sanjay Dharma Patil	Arts	Marathi	M.Phil.	Arun Sadhu Yancha Shodyatra Kadambaricha Chikitsak Abhyas	Dr. Shripal Sabnis	2000



15	Dr. Sambhaji Babarao Sawant	Arts	Marathi	Ph.D.	दलित वाङ्मयात प्रतिबिंबित झालेला भगवान बुद्धांचा स्त्री विषयक दृष्टीकोण	Dr. Madhav Baswante	2019
16	Mr. Mahale Anil Suresh	Science	Geography	M.Phil.	Impact of Physio-Socio, Economic factors on Agricultural landuse in Amalner tahsil of jalgaon (M.S.)	Dr. A.S. Bhole	2009
17	Dr. Gokul Punju Borse	Science	Chemistry	M.Phil.	Density and Viscosity Studies of Some Binary Mixture At Various Temperatures	Dr. U. G. Deshpande	2008
18	Dr. Gokul Punju Borse	Science	Chemistry	Ph.D.	Density, Viscosity and Ultrasonic Velocity Studies of Some Binary Mixture At various temperature	Dr. U. G. Deshpande	2013
19	Smt. Pratibha Vasantrao Patil	Science	Botany	M.Phil.	Comparative Anatomical Studies of Wild and Cultivated species of Phaseolus	Dr. G. S. Chaudhari	2010
20	Mr. Prakash Bajirao Patil	Science	Chemistry	M.Phil.	Synthesis and Characterization of submitted Acetanilide Derivatives of N and O-containing Hetrocyclic Compounds	Dr. N. S. Pawar	2009
21	Dr. Sanjay Bhikaji Bhavsar	Arts	Physical Education	M.Phil.	To study the pre and post anxiety for the performance of athletes.	Dr. Ashwin Bhardwaj	2008



22	Dr. Vasudeo Ramesh Patil	Science	Botany	Ph.D.	Biodiversity of Salt water fungi from Lonar lake and Fresh water fungi from Buldhana Dist.(M.S..)	Dr. B.D.Borse	2010
23	Dr. Sanjay Bhikaji Bhavsar	Arts	Physical education	Ph.D.	Study of schedule caste girls sports participation in colleges under K. B. C. North Maharashtra University Jalgaon.	Dr. July Oaza	2021
24	Dr. Chandrashekhar Rawan Rawan	Science	Botany	Ph.D.	Foliar Anatomical Study In Some Rubiaceae	Prof. D. A. Patil	2011
25	Dr. Ajay Madhukar Patil	Science	Botany	Ph.D.	Foliar Anatomical Studies In Some Acanthaceae.	Dr. D. A. Patil	2011
26	Mr. Patil Sanjay Nilkanth	Science	Zoology	M.Phil.	Recovery Assessment in fresh water Bivalve Parreysia cylindrica ,Sublethally Exposed Endosulfan.	Dr. B. B.Waykar	2009
27	Dr. Sanjay Vasantrao Chavan	Science	Chemistry	M.Phil.	Commercial Synthesis Of Ammonium Sulfamate An Emerging trends In Agriculture	Dr. Narayan Madhav Khose	2009
28	Dr. Sanjay Vasantrao Chavan	Science	Chemistry	Ph.D.	"Studies Of Natural Products Form Fresh Water Crabs And It's Biological Efficiency With Reference To Structure-Activity Relationship"	Dr. A. A. Patil	2021



Established: June 1992

Sahajvan Shikshan Prasarak Mandal (Tehu) Sanchalit



Rani Laxmibai Mahavidyalaya Parola

Dist. Jalgaon 425111 Tel: (02597) 292666

Web : www.rcollegeparola.org
Email : principalrcparola@gmail.com

Outward No.

Date : / /20

Criterion 3 Research, Innovations & Extension

List of Ph.D. Registered students



Rani Laxmibai Mahavidyalaya Parola

Dist.Jalgaon 425111 Tel:-02597-292665,292666

U.G.C-2F&12B(8-211/2005CPP-1D:2011)

Website: www.ricollegeparola.org | E-Mail: principalrlcparola@gmail.com

Ad.Kakasaheb Vasantrao More

Ex.Member of Parliament
President

Dr. V.R.Patil (Principal)

Mob-9373459332

E-mail:- vasupatil13@gmail.com

Outward No.

Date : / / 20

Internal Quality Assurance Cell (IQAC)

Data on number of Ph.D. students

Sr. No.	Name of Students	Registered for	Subject
1	Mr. Rakesh Bramhdas Meshram	Ph.D.	Physics
2	Mr. Harshal Aadhar Nikam	Ph.D.	Physics
3	Ms. Dhanashree Satish Chaudhari	Ph.D.	Physics
4	Ms. Dipali Rajendra Patil	Ph.D.	Physics
5	Ms. Janhavi Sunil Patil	Ph.D.	Physics
6	Ms. Mohini Sunil Nikam	Ph.D.	Chemistry
7	Mr. Rahul Sanjay Garud	Ph.D.	Chemistry
8	Mr Amrut Yuvraj Patil	Ph.D.	Chemistry
9	Mr. Vinayak Dharath Chaudhari	Ph.D.	Chemistry
10	Mr. Kalpesh Himmatrao Patil	Ph.D.	Chemistry
11	Mr. Chandu Motilal Koli	Ph.D.	Mathematics
12	Mr. Bipin Pandurang Jadhav	Ph.D.	Mathematics
13	Mr. Keshavsing Lakhansing Pardeshi	Ph.D.	Mathematics
14	Mr. Madhukar Popatrao Zanje	Ph.D.	Mathematics
15	Mr. Rajdhar Ramchandra Patil	Ph.D.	Geography
16	Mr. Kunal Adhar Mahajan	Ph.D.	History


Coordinator, IQAC
 Rani Laxmibai Mahavidyalaya
 Parola, Dist. Jalgaon




PRINCIPAL
 Rani Laxmibai Mahavidyalaya
 Parola, Dist. Jalgaon

Established: June 1992

Sahajvan Shikshan Prasarak Mandal (Tehu) Sanchalit



Rani Laxmibai Mahavidyalaya Parola

Dist. Jalgaon 425111 Tel: (02597) 292666

Web : www.rcollegeparola.org
Email : principalrlcparola@gmail.com

Outward No.

Date : / /20

Criterion 3 Research, Innovations & Extension

List of Ph.D. Awarded students



Rani Laxmibai Mahavidyalaya Parola

Dist.Jalgaon 425111 Tel:-02597-292665,292666

U.G.C-2F&12B(8-211/2005CPP-1D:2011)

Website: www.ricollegeparola.org | E-Mail: principalrlcparola@gmail.com

Ad.Kakasaheb Vasantrya More

Ex.Member of Parliament
President

Dr. V.R.Patil (Principal)

Mob-9373459332

E-mail:- vasupatil13@gmail.com

Outward No.

Date : / /20

List of Ph.D. Awarded Students

Sr. No.	Name of Students	Awarded	Subject
1	Prof. Rajendra Raghunath Attarde	Awarded	Physics
2	Prof. Gunvantrao Baburao Shelke	Awarded	Physics
3	Mrs. Dr.Janhavi Purushottam Talegaonkar	Awarded	Physics
4	Dr.Yogesh Bharat Patil	Awarded	Physics
5	Dr. Dinesh Bhimrao Borse	Awarded	Physics
6	Dr. Prakash Ramchandra Shirore	Awarded	Chemistry
7	Dr. Pradip Pandurang Talware	Awarded	Chemistry



(Signature)
PRINCIPAL
Rani Laxmibai Mahavidyalaya
Parola, Dist. Jalgaon



'A' Grade
NAAC Re-Accredited
(3rd Cycle)

॥ अंतरी पेटवू ज्ञानज्योत ॥

North Maharashtra University

Jalgaon (Maharashtra), India



Notification for the DEGREE OF DOCTOR OF PHILOSOPHY (Ph.D.)

It is hereby notified that Talegaonkar Janhavi Purushottam, Research Student, Rani Laxmibai College, Parola vide registration No.NMU/11/Ph.D/Phy./150/2011, dated 22.02.2011 has successfully completed the Ph.D. programme of this University in accordance with UGC minimum standards and procedure for awards of M. Phil/Ph.D. degree Regulation, 2009 published in the Gazette of India, No. 28 dated July 11-17, 2009 in Part III, Section 4.

The report of the referees appointed to examine and adjudicate the thesis submitted by Talegaonkar Janhavi Purushottam is accepted and she is eligible for the award of the Ph.D. degree of this University. The degree certificate will be issued in the ensuing convocation of this University. The details of her Ph.D. programme are given below:

Name of the Candidate	Talegaonkar Janhavi Purushottam		
Ph.D. Entrance Test (PET)	Exempted		
Date of Registration	22.02.2011		
Grades obtained in Pre-Ph.D. Course Work	<u>Paper - I</u>	<u>Paper - II</u>	<u>Paper - III</u>
	Exempted	A	A
Title of the thesis	"Studies On Conducting Polymer Based Gas Sensor."		
Research Guide	Dr.D.R.Patil		
Subject	Physics		
Faculty	Science & Technology		
Date of Pre-Ph.D. submission presentation	27.01.2017		
Date of submission of the thesis	23.03.2017		
Date of Viva-Voce	15.12.2017		



No. NMU/11/Ph.D./Physics/6288/2017
Date 15.12.2017

(Dr. D. N. Gujarathi)
Director

Board of Examinations and Evaluation



'A' Grade
NAAC Re-Accredited
3rd Cycle

॥ अंतरी पेटवू ज्ञानज्योत ॥

Kavayitri Bahinabai Chaudhari
North Maharashtra University, Jalgaon, (M.S.), India
(Formerly North Maharashtra University, Jalgaon)



Notification for the
DEGREE OF DOCTOR OF PHILOSOPHY (Ph.D.)

It is hereby notified that Research Student **Patil Yogesh Bharat** of Department of Physics, Rani Laxmibai Mahavidyalaya, Parola, Dist. Jalgaon vide registration No. NMU/11/Ph.D./Phy/19/2013, dated 06.05.2013 has successfully completed the Ph.D. programme of this University in accordance with UGC minimum standards and procedure for awards of M.Phil/Ph.D. degree Regulation, 2009 published in the Gazette of India, No. 28 dated July 11-17, 2009 in Part III, Section 4.

The report of the referees appointed to examine and adjudicate the thesis submitted by **Patil Yogesh Bharat**, is accepted and he is eligible for the award of the Ph.D. degree of this University. The degree certificate will be issued in the ensuing convocation of this University. The details of his Ph.D. programme are given below:

Name of the Candidate	Patil Yogesh Bharat		
Ph.D. Entrance Test (PET)	Qualified		
Date of Registration	06.05.2013		
Grades obtained in Pre-Ph.D. Course Work	<u>Paper - I</u>	<u>Paper - II</u>	<u>Paper - III</u>
	B	C	O
Title of the thesis	<i>"Studies On Effect Of Pre To Post-Transition Metal Oxide Additives On Gas Sensing Performance Of Nanostructured Bi₂O₃"</i>		
Research Guide	Dr. Patil Devidas Ramrao		
Subject	Physics		
Faculty	Science & Technology		
Date of Pre-Ph.D. submission presentation	08.11.2017		
Date of submission of the thesis	06.12.2017		
Date of Viva-Voce	13.10.2018		



No. KBCNMU/11/Ph.D./Physics/4099/2018, Date : 13.10.2018

(Prof. A.B. Chaudhari)
Officiating Director,
Board of Examinations and Evaluation

(Prof. P.P. Mahulikar)
Pro-Vice Chancellor



A* Grade
NAAC Re-Accredited
(3rd Cycle)

॥ अंतरी पेटवू ज्ञानज्योत ॥

Kavayitri Bahinabai Chaudhari
North Maharashtra University, Jalgaon, (M.S.), India
(Formerly North Maharashtra University, Jalgaon)



Notification for the
DEGREE OF DOCTOR OF PHILOSOPHY (Ph.D.)

It is hereby notified that Research Student **Shelke Gunavantrao Baburao** of R. L. College, Parola vide registration No.NMU/11/Ph.D/Phy./121/2011, dated 22.02.2011 has successfully completed the Ph.D. programme of this University in regular mode in accordance with UGC minimum standards and procedure for awards of M.Phil/Ph.D. degree Regulation, 2009 published in the Gazette of India, No. 28 dated July 11-17, 2009 in Part III, Section 4.

The report of the referees appointed to examine and adjudicate the thesis submitted by **Shelke Gunavantrao Baburao**, is accepted and he is eligible for the award of the Ph.D. degree of this University. The degree certificate will be issued in the ensuing convocation of this University. The details of his Ph.D. programme are given below:

Name of the Candidate	Shelke Gunavantrao Baburao		
Ph.D. Entrance Test (PET)	Exempted		
Date of Registration	22.02.2011		
Grades obtained in Pre-Ph.D. Course Work	<u>Paper - I</u>	<u>Paper - II</u>	<u>Paper - III</u>
	Exempted	A	A
Title of the thesis	"Studies on ZrO ₂ and SnO ₂ Based Gas Sensors"		
Research Guide	Dr. D. R. Patil		
Subject	Physics		
Faculty	Science & Technology		
Date of Pre-Ph.D. submission presentation	23.04.2018		
Date of submission of the thesis	01.06.2018		
Date of Viva-Voce	07.01.2019		

No.KBCNMU/11/Ph.D/Phy./ 92 /2019,

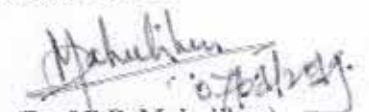
Date : 07.01.2019



(B. P. Patil)
Director,

Board of Examinations and Evaluation




(Prof. P. P. Mahulikar)
Pro-Vice Chancellor



॥ अंतरी पेटवू ज्ञानज्योत ॥

Kavayitri Bahinabai Chaudhari
North Maharashtra University, Jalgaon, (M.S.), India
 (Formerly North Maharashtra University, Jalgaon)



Notification for the
DEGREE OF DOCTOR OF PHILOSOPHY (Ph.D.)

It is hereby notified that **Borse Dinesh Bhimrao**, Research Student, Dept. of Physics, R.L. College, Parola vide registration No. NMU/ 11/ Ph.D/ Phy./ 21/ 2013, dated 06.05.2013 has successfully completed the Ph.D. programme of this University in regular mode in accordance with UGC minimum standards and procedure for awards of M.Phil/Ph.D. degree Regulation, 2009 published in the Gazette of India, No. 28 dated July 11-17, 2009 in Part III, Section 4.

The report of the referees appointed to examine and adjudicate the thesis submitted by **Borse Dinesh Bhimrao**, is accepted and he/she is eligible for the award of the Ph.D. degree of this University. The degree certificate will be issued in the ensuing convocation of this University. The details of his/her Ph.D. programme are given below:

Name of the Candidate	Borse Dinesh Bhimrao		
Ph.D. Entrance Test (PET)	Qualified		
Date of Registration	06.05.2013		
Grades obtained in Pre-Ph.D. Course Work	<u>Paper - I</u>	<u>Paper - II</u>	<u>Paper - III</u>
	B	B	O
Title of the thesis	"Nanostructured Cadmium Based Solar Cells/Photo Cells"		
Research Guide	Dr. D. R. Patil, Parola		
Subject	Physics		
Faculty	Science & Technology		
Date of Pre-Ph.D. submission presentation	14.03.2019		
Date of submission of the thesis	18.11.2019		
Date of Viva-Voce	01.07.2020		



Ref. No. KBCNMU/11/Ph.D./Phy./1880 /2020, Date : 01.07.2020

(B. P. Patil)
 Director,

Board of Examinations and Evaluation

(Prof. P. P. Mahulikar)
 Pro-Vice Chancellor



Notification for the
DEGREE OF DOCTOR OF PHILOSOPHY (Ph.D.)

It is hereby notified that **Rathod Dilip Harsing**, Research Student, Dept. of Political Science, Smt.P.K. Kotecha Mahila College, Bhusawal Dist. Jalgaon vide registration No.NMU/11/Ph.D/Pol.Sci./243/2014, dated 04.02.2015 has successfully completed the Ph.D. programme of this University in regular mode in accordance with UGC minimum standards and procedure for awards of M.Phil/Ph.D. degree Regulation, 2009 published in the Gazette of India, No. 28 dated July 11-17, 2009 in Part III, Section 4.

The report of the referees appointed to examine and adjudicate the thesis submitted by **Rathod Dilip Harsing**, is accepted and he/she is eligible for the award of the Ph.D. degree of this University. The degree certificate will be issued in the ensuing convocation of this University. The details of his/her Ph.D. programme are given below:

Name of the Candidate	Rathod Dilip Harsing		
Ph.D. Entrance Test (PET)	Qualified		
Date of Registration	04.02.2015		
Grades obtained in Pre-Ph.D. Course Work	Paper – I	Paper – II	Paper – III
	Exempted	O	O
Title of the thesis	“महाराष्ट्राच्या सामाजिक आणि आर्थिक विकासात मुख्यमंत्र्यांची भूमिका एक विश्लेषणात्मक अभ्यास (कालखंड २००० नंतरचा)”		
Research Guide	Dr. S.D. Rathi		
Subject	Political Science		
Faculty	Humanities		
Date of Pre-Ph.D. submission presentation	03.02.2020		
Date of submission of the thesis	10.09.2020		
Date of Viva-Voce	15.11.2021		



Ref.No.KBCNMU/11/Ph.D./Political Sci./3073 /2021,

Date : 15.11.2021

(Prof. K. F. Pawar)
Offg. Director,
Board of Examinations and Evaluation

(Prof. B. V. Pawar)
Offg. Pro-Vice Chancellor

Established: June 1992

Sahajivan Shikshan Prasarak Mandal (Tehu) Sanchalit



Rani Laxmibai Mahavidyalaya Parola

Dist. Jalgaon 425111 Tel: (02597) 292666

Web : www.ricollegeparola.org
Email : principalrlcparola@gmail.com

Outward No.

Date : / /20

Criterion 3
Research, Innovations
&
Extension

Examiners of Ph. D Thesis



Established : June 1992

Sahajivan Shikshan Prasarak Mandal (Tehu) Sanchalit



Rani Laxmibai Mahavidyalaya Parola

Dist. Jalgaon 425111 Tel: (02597) 292666

Web : www.rlcollegeparola.com

Email : principalrlcparola@gmail.com

NAAC Accredited 'B' Grade

Date: 30/01/2023

List of Ph. D. Thesis Examiner

Sr. No.	Name of Examiner	Subject of Examiner
1.	Dr. D. R. Patil	Physics
2.	Dr. S. N. Salunkhe	Mathematics


Coordinator, IQAC
Rani Laxmibai Mahavidyalaya
Parola, Dist. Jalgaon





Acting Principal
Rani Laxmibai Mahavidyalaya,
Parola, Tal. Parola Dist. Jalgaon

ST/ /OF-4/09-10/50P

**SANT GADGE BABA
AMRAVATI UNIVERSITY, AMRAVATI
DUTY CERTIFICATE**

Certified that Prof. Dr D.R. Patil
has attended the meeting of Ph D viva-voce
on dated 02 December 2022 in the University
office.


Assistant Registrar (Ph. D. Cell)
Deputy Registrar / Assistant Registrar
Sant Gadge Baba
Amravati University
Amravati

Date : 02/12/2022

SANT GADGE BABA AMRAVATI UNIVERISTY, AMRAVATI

From,

Asst.Registrar(Ph.D.Cell),
S.G.B. Amravati Univesity, Amravati 444602
Email Id : drphdcell@sgbau.ac.in
Phone No. 0721-2668220

To, Dr. D. R. Patil

Principal
BULK and Nanomaterials Research Laboratory,
Head DEPT of Physics
Rani Laxmibai Mahavidyalaya Parola
Dist Jalgaon 425111 (M.S)

Subject: Evaluation of the thesis
Sir/ Madam,

Thank you for the letter, dated 15-7-2022 accepting the appointment of referee
For Evaluation of the thesis and entitled

Title: Study of the effect of dopants on the
properties of gas sensors

Submitted for the degree of Doctor of Philosophy in the faculty Science & Technology


By Ky. Yogita S. Patil

- I am sending herewith a copy of the thesis along with the following documents:
- 1) An acknowledgement form to be returned immediately on receipt of the thesis.
 - 2) A copy of the Ph.D. Ordinance No.1/2016.
 - 3) Printed profama for indicating the specific recommendation.
 - 4) Remuneration Bill form.

After evaluating the thesis you, send the detailed report (preferably typed) on plain paper along with (1) The Printed profama completely scaled in (2) The Remuneration Bill duly signed and the receipt for the postal charges incurred for return of the thesis, all enclosed in a confidential cover, address to the under signed by the name and designation by the register post within 45 days from the date of receipt of this letter. The copy of the thesis should be return simultaneously by register post separately.

Yours Faithfully,

Encl: As above


Asstt. Registrar(Ph.D.Cell),
Sant Gadge Baba Amravati University,
Amravati 444602.

NOTE: Kindly attention in invited to word para B-5 of the Ordinance No.1/2016. The referee has to specifically recommend in the form No.5 (1) The thesis be accepted (2) The thesis be accepted subject to (a) satisfactory viva-voce and the open defense of the thesis (3) The thesis be revised and resubmitted (4) The thesis be rejected. The report on the Ph.D. thesis.

SAURASHTRA UNIVERSITY, RAJKOT

SAURASHTRA UNIVERSITY,
UNIVERSITY CAMPUS,
UNIVERSITY ROAD,
RAJKOT - 360 005



Accredited Grade 'A' by NAAC
(3rd Cycle)

સૌરાષ્ટ્ર યુનિવર્સિટી કાર્યાલય
યુનિવર્સિટી કેમ્પસ,
યુનિવર્સિટી રોડ,
રાજકોટ-૩૬૦ ૦૦૫.

ટેલીફોન નંબર ૦૨૮૧-૨૫૭૮૫૦૧

(REGISTERED POST PARCEL)

NO.PG/3/PHD/ /2020

Dt. 10/12/2020

To, 4331

Prof.D.R.Pabi

Acting Principal,

R.L.College, Parola,

Dist.Jalgaon,MHS, - 425 111

M.9860335029

Sub :- To Evaluate work as a Internal/External Referee for Ph.D. Thesis of
Shri Mahesh Rangapariya

Dear Sir / Madam,

With reference to the above mentioned subject, I am happy to Congratulate and informed that Hon'ble Vice - Chancellor of this University appointed you as a referee for evaluation of Ph.D. thesis. In this regards, I am sending here with the thesis submitted by Mr./Mrs./Kum./Shri. Mahesh Rangapariya the student of Prof./Dr.H.N.Pandya, Rajkot for the degree of Philosophy in the subject of Electronics under the faculty of Science. The Title of his / her thesis is "DEVELOPMENT OF VHDL & EMBEDDED BASED APPLICATION"

You are kindly requested to evaluate the thesis and submit evaluation report in prescribed format with your signature and comments clearly mentioning Whether the thesis submitted by the student be accepted for the award of the degree of Philosophy or Not.

Thanking you,

- Encl: (1) An Original Thesis
(2) Blank Thesis Evaluation Report
(3) Blank Remuneration Bill

Yours faithfully

Section Officer



Established by Rajasthan State Legislature vide Act No. 11/2012

Recognised by UGC, Council of Architecture (COA), Bar Council of India, Pharmacy Council of India (PCI) and All India Council for Technical Education (AICTE) for constituent college (Provisional Member of AIU)

Ref: VGU/Confidential/2020-21/Ph.D./1142

18/09/2020

Dr. D. R. Patil,
Bulk and Nanomaterials Research Laboratory,
Head, Dept. of Physics,
Rani Laxmibai Mahavidyalaya Parola,
Jalgaon, Maharastra-425111
Mob: +91 9860335029

Dear Sir,

We are forwarding the thesis of Mrs. Harsha Sharma for your kind evaluation.

Yours sincerely,


Prof. (Dr.) Praveen Choudhry
Registrar

Encl: 1. Examiner Report Proforma
2. Thesis for evaluation



Estd 1962
NAAC 'A' Grade

SHIVAJI UNIVERSITY, KOLHAPUR - 416 004, MAHARASHTRA
PHONE: EPABX-2609000 PGBUTR - 0231-2609139
FAX +91-0231-2691533 & 2692333 website: www.unishivaji.ac.in
शिवाजी विद्यापीठ, कोल्हापूर - ४१६ ००४, महाराष्ट्र
दुरध्वनी : (ईपीएबीएक्स) २६०९००० पी.जी.बी.यु.टी.आर. २६०९१३९)
फॅक्स : +९१-०२३१-२६९१५३३ व २६९२३३३. e-mail : pgbutr@unishivaji.ac.in

Ref. No. SU / PG / BUTR / Ph.D./155 | 323

Date: 20 SEP 2019

To,

Dr. D. R. Patil,
Dir, Bulk and Nanomaterials Research Lab,
Department of Physics, R. L. College,
Parole, KBC North Maharashtra University,
Jalgaon, MHS, India-425111

Sub: - Evaluation of the Ph.D. thesis submitted by **Shri. Rohit Ramchandra Powar** in **Chemistry**.

Sir/Madam,

We express our sincere thanks, for your acceptance to examine the Ph.D. thesis entitled,

**SYNTHESIS AND CHARACTERIZATION OF MIXED METAL OXIDES
FOR GAS SENSING APPLICATIONS**

submitted by **Shri. Rohit Ramchandra Powar** for degree of Doctor of Philosophy in **Chemistry**.

In that, I am directed to inform you that a copy of the instructions relating to assessment of the thesis is enclosed herewith for your kind reference. A copy of the thesis is being sent herewith.

The UGC guidelines and subsequent regulations framed by this university, provides for Completion of the entire process of evaluation within a period of six months from the data of submission.

Therefore you are requested to adjudicate the thesis and forward your report in the Proforma attached to this letter, making specific recommendations therein, as early as possible, within a period of One month from the receipt of the thesis, along with duly signed honorarium bill and receipt of postal expenses.

Thanking you.

Yours faithfully,

Dy. Registrar

Encl.: As above

Copy forwarded with compliments to (Internal referee)

Dr. D. N. Zambare (Guide)

Department Of Chemistry, Kisanveer Mahavidyalaya, Wai.

Dr. P.B. Piste (Co-Guide)

Department of Chemistry, Yashavantarao Chavan Institute Of Sciwnce, Satara.

DEPARTMENT OF PHYSICS

AMRAVATI UNIVERSITY CAMPUS,

AMRAVATI - 444602

INDIA



FAX : +91-721-2662135, 2660949

TELE -

GRAM : AMUNI

Ref.No. Au/507/ 749/18

Dated : 03-09-2018

CERTIFICATE

This is to certify that, Dr. D.R. Patil Professor, Department of Physics, R.L. College Parola, Dist. Jalgaon has conducted Ph. D. Viva-Voce of Ms. Trupti T. Shukla at Department of Physics, Sant Gadge Baba Amravati University, Amravati on August 13, 2018. He has also motivated post Graduate students for quality research during his address.

Head

Department of Physics
Sant Gadge Baba Amravati University,
Amravati



VIDYA BHARATI MAHAVIDYALAYA, AMRAVATI.

Accredited "A" Grade by NAAC * CPE status by UGC

C.K. Naidu Road, Camp, Amravati - 444 602. (M.S.) India

Phone No.0721-2662740, Fax No. 0721-2552012, 2662740, Email : vm126@sgbau.ac.in, Website : http://www.vbirsm.org

President

r. R.D. Shekhawat

Phone : 2662866, 2662783 (R)

Founder President

Dr. D.R. Shekhawat

Phone : 2662866, 2662783 (R)

I/C Principal

Dr. P. S. Yenkar

Phone : 2662740 (O), 2664013(R)

Ref. No. VBM/SR/150/120/19

Date 15 JUL 2019

Sant Gadge Baba Amravati University, Amravati

Ph.D. Open Defence and Viva-Voce, 2019

Certificate

This to certify that, Dr. D. R. Patil, Head and Associate Professor ,
Department of Physics, Rani Laxmibai Mahavidyalaya, Parola, Dist. Jalgaon
has conducted the Ph.D. Viva-Voce and open defence of Mr. V. S. Khairnar,
Subject: Physics at this center on 15 July 2019.

Ph.D. Supervisor: Dr.R.V. Waghmare

Place: Amravati

Date: 15 July 2019


Principal

Vidya Bharati Mahavidyalaya,

Amravati.



Established by Rajasthan State Legislature vide Act No. 11/2012.
(Recognised by UGC; Bar Council of India (BCI) and All India Council for Technical Education (AICTE))
(Provisional Member of Association of Indian Universities)

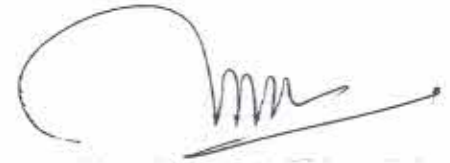
VGU/2017-18/ (30)

09/02/2018

To whom so ever it may concern

Prof. D. R. Patil has examined the viva-voce examination of Ms. Swati Arora, a Ph.D. scholar, Registration No. VGU/2013/Res/Sch/EC/0305 on the thesis title "Design, Fabrication and Characterization of Thin film Metal Metalloid Field Effect Transistor" at 10:00 AM on 09/02/2018 in the Board Room of the University.

We are thankful to him for his co-operation and wish he will continue it.



Prof. (Dr.) Y K Vijay
President



SANT GADGE BABA
AMRAVATI UNIVERSITY
AMRAVATI - 444602
(M.S.)

2662206, 2662207, 2662208, 2662249, 2662358
ta : www.sgbau.ac.in

FAX NO. 0721-2660949, 2662135

GRAM : AMUNI.

To,

DR D. R. Patil
Dept. of Physics
R. L. college Parola
Jalgaon 425111

No.SGBAU/ Ph.D/ ²⁶⁴⁸ /2019
Dated :- 13-9-2019

Subject:- Viva and the open defence regarding the thesis submitted for
award of Ph.D. Degree in Physics

Sir/Madam,

supervisor As per message received from the
viva and the open defence of the candidate Shri./Kf./Smt. Pravin M. Chandak As suggested by you the
11:30 a.m in the Ph.D. cell Sant Gadge Baba Amravati University (5695/1) is fixed on 17-9-2019 at

The candidate and the supervisor has been informed accordingly.

Hoping to see you soon.

Thanking You.

Yours faithfully,


Assistant Registrar (Ph.D. Cell)
S. G. B. Amravati University, Amravati.

Copy for information -

DR. F. C. Raghuvanshi (supervisor)



'A' Grade
NAAC Re-accredited
(3rd Cycle)

॥ गंतव्ये वेदेषु ज्ञानमव्योत ॥

उत्तर महाराष्ट्र विद्यापीठ, जळगाव- ४२५ ००१

NORTH MAHARASHTRA UNIVERSITY, JALGAON
Umavinagar, Post Box 80, Jalgaon - 425 001, INDIA

Board of Colleges & University Development (Research)

Ref. No. NMU/11/Pre.Sub./Math/ 1186 /2015

Date:- 25th June, 2015

To,

Dr. S.N. Salunkhe,

Chairman & Vice-Chancellor's Nominee in relevant subject,
Mathematics Department Rani Laxmibai Mahavidyalaya,
Parola

Sub:- Regarding Pre submission Presentation of *Mr. More Rupesh Tulshiram (Mathematics)*

Dear Sir/Madam

With reference to the above, I would like to inform you that the Pre submission Presentation of *Mr. More Rupesh Tulshiram (Mathematics)* is fixed on 03.07.2015 at 11:00 a.m. in School of Mathematical Sciences, at NMU, Jalgaon.

You are requested to attend the Presentation accordingly

Yours Sincerely,

Deputy Registrar

Board of College & University Development.

Copy f.w.cs. to :-

- 1) Dr. J.N. Chaudhari, (Chairman B.O.S.),
Mathematics Department, M.J. College, Jalgaon
- 2) Dr. S.R. Chaudhari, (Head of the University Department),
Head, School of Mathematical Sciences, North Maharashtra University, Jalgaon
- 3) Dr. H.L. Tidke, (Research Guide),
School of Mathematical Sciences, North Maharashtra University, Jalgaon
- 4) The Director, School of Mathematical Sciences, NMU, Jalgaon
Kindly make necessary arrangement for the conduct of above viva-voce in your School

Copy for information to :-

01 The Finance Accounts Officer, N.M.U., Jalgaon.



Dr. P. D. Patil, Science, Pre submission tests, Viva Voce Letter, do:

☎ (O) : 0257-2258409

(O) : 0257-2257222 & 2257224

Fax : (91)-0257-2258403 & 2258406

Website : www.nmu.ac.in

E-mail : boudresearch@rediffmail.com

SRTMU/Pub./Aug. 09/10,000



**SWAMI RAMANAND TEERTH
MARATHWADA UNIVERSITY**
"DNYANTIRTH", VISHNUPURI, NANDED - 431606.

Ref. No.

Date: 24/08/2017

RELIEVING ORDER

Mr./Mfs. Dr. S. N. Salunkhe

was invited to attend the meeting of examination work

from Parola. to Nanded.

act as
(Except) Ext. Refree Ph.D. Viva voce.

He/She has been relieved on 24/08/2017

at 5.00 P.M. from examination work.



For : Controller of Examination
I.G. Section
S.R.T.M. University, Nanded



VEER NARMAD SOUTH GUJARAT UNIVERSITY

University Campus, Udhna-Magdalla Road, SURAT - 395 007

વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી

યુનિવર્સિટી કેમ્પસ, ઉધના-મગદલ્લા રોડ, સુરત - ૩૯૫ ૦૦૭

(Accredited B++ equivalent to Five Star status by NAAC)

Tele. GRAM : VNSGU

Phone : 2227141 to 2227146

Fax No : (0261) 2227312

Email : [sgu\(g\).sgu.ern.et.in](mailto:sgu(g).sgu.ern.et.in)

Website : www.sgu.ernet.in

CERTIFICATE

Certified that Dr. S. N. Salunkhe, Head Department of Mathematics, R. L. College Parola, Dist Jalgaon, has conducted the Ph. D. viva-voce examination of Mr. Valani Bharat Natvarlal. Scheduled on Thursday, 10-08-2017 at 11:30 A. M. in Research centre, B/S University Central Library, V.N. South Gujarat University Campus, Surat.. The Hon'ble Vice Chancellor of Veer Narmad South Gujarat University, Surat, has appointed him to act as a referee.




10/8/17
Dr. M.G. Timol
Professor
Department of Mathematics

Dr. M.G. Timol
10/8/17
Department of Mathematics
B/S University Central Library
Veer Narmad South Gujarat University
SURAT - 395007

SRTMU/Exam./Aug.17/5,000



**SWAMI RAMANAND TEERTH
MARATHWADA UNIVERSITY**

"DNYANTIRTH", VISHNUPURI, NANDED - 431606

Sl. No.

Date: 16/07/2018

RELIEVING ORDER

Mr./Mrs. Dr. S.N. Salunkhe, Parola

is invited to attend the meeting of examination work

from 16/7/18 to 16/07/18

except) Ext. Refree Ph.D. Viravore

He / She has been relived on 16/07/2018

5.30 P.M. from examination work.

**Dy. Registrar,
For Director,
Board of Examination & Evaluation
University, Nanded**





Re-Accredited by NAAC with 'A' Grade

VEER NARMAD SOUTH GUJARAT UNIVERSITY

University Campus, Udhna-Magdalla Road, SURAT - 395 007, Gujarat, India.

વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી

યુનિવર્સિટી કેમ્પસ, ઉધના-મગદલા રોડ, સુરત - ૩૯૫ ૦૦૭, ગુજરાત, ભારત.

Tel : +91 - 261 - 2227141 to 2227146, Toll Free : 1800 2333 011, Fax : +91 - 261 - 2227312
E-mail : info@vnsgu.ac.in, Website : www.vnsgu.ac.in

SPEED POST

No.PG/Ph.D./23938/2019

Dt. 31-12-2019

To,

Dr. S. N. Salunkhe
Department of Mathematics,
Rani Laxmibai Mahavidyalaya,
Parola-425111,
Dist-Jalgaon.

Dear Sir/Madam,

This is an acknowledge with thanks the receipt of your letter dated 22-08-2019 to assess the thesis and conduct the Viva-Voce Examination if required Miss/Mrs. Mistry Pragna Chandrakantbhai candidate for the award of Ph.D. Degree of this University in Mathematics Please note that as per the rules of the assessment of thesis, the examiner has to give his/her categorical opinion in prescribed Performa with detailed report also.

All Correspondence concerning this may please be addressed to The Registrar (P.G. Section), **VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT - 395007** under a sealed cover marked **CONFIDENTIAL**.



Yours sincerely,


For I/c REGISTRAR

ENCL.: THESIS
PROFORMA ENVELOPE

C.W.C. to.

To,
Dr. D. C. Jōshi
Professor & Head,
Department of Mathematics,
Veer Narmad South Gujarat University,
Surat.



Re-Accredited by NAAC with 'A' Grade

VEER NARMAD SOUTH GUJARAT UNIVERSITY

University Campus, Udhna Marg, Talia Road, SURAT - 395 007, Gujarat, India.

વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી

યુનિવર્સિટી કેમ્પસ, ઉધના-મગદલ્લા રોડ, સુરત - ૩૯૫ ૦૦૭, ગુજરાત, ભારત.

Tel : +91 - 261 - 2227141 to 2227146, Toll Free : 1800 2333 011, Fax : +91 - 261 - 2227312
E-mail : info@vnsgu.ac.in, Website : www.vnsgu.ac.in

No. PG/Ph.D./Refe/20115/2019

Dt. 09-10-2019

To,
Dr. S. N. Salunkhe
Dept. of Mathematics,
Rani Laxmibai College,
Parola,
Dist. Jalgaon 425111

Sub : Appointment as an External Referee for assessing the Thesis for Ph.D. Degree.

Dear Sir/Madam,

I am glad to inform you that as the Vice-Chancellor has appointed (on behalf of Syndicate) you to act as an External Referee to assess the Thesis submitted by the following candidate for the Ph.D. Degree and to report to the University whether the Thesis be accepted / rejected for the award of Ph.D. Degree of this University after holding a Viva-Voce Examination of the candidate along with other referee in India at a place in Veer Narmad South Gujarat University area or at any suitable place in consultation with other referee and with the concurrence of the Vice-Chancellor.

Candidate's Name : Parmar Bhavnaben Nareshbhai

Subject : Mathematics

Internal Referee : Dr. M. G. Timol.

Faculty : Science

Title / Topic of the Thesis : ANALYTICAL SOLUTION OF SOME VISCOINELASTIC FLUIDS

The amount of honorarium payable to the Internal Referee and External Referee is Rs.1500/- per Thesis examined. The necessary bill form is enclosed to enable the Referees to prepare the bill for the honorarium at appropriate time. Both the Internal as well as the External Referees are eligible for T.A. & D.A. etc. according to University rules in force for conducting Viva-Voce Examination.

It is expected that the report would be made within one month from the date of receipt of the thesis and if for reason the report is likely to be delayed much beyond the specified period, the Thesis should be returned to the University to make alternative arrangements, if necessary.

I am now to request you to accept the appointment under reference and favor us with and early intimation of your acceptance by Post or **E-mail : pg@vnsgu.ac.in**. A copy of the Thesis will be sent to you on receipt of your acceptance. Please return the Thesis to the University Office (P.G. Section) after your examination.

Thanking you,



Yours sincerely,

For I/C REGISTRAR

Encl : As above

Copy forward for your kind Information:

To,
Dr. M. G. Timol
Dept. of Mathematics,
Veer Narmad South Gujarat University,
Surat.



Re-Accredited by NAAC with 'A' Grade

VEER NARMAD SOUTH GUJARAT UNIVERSITY

University Campus, Udhna-Magdalla Road, SURAT - 395 007, Gujarat, India.

વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી

યુનિવર્સિટી કેમ્પસ, ઉદ્ધના-મગદલા રોડ, સુરત - ૩૯૫ ૦૦૭, ગુજરાત, ભારત.

Tel : +91 - 261 - 2227141 to 2227146, Toll Free : 1800 2333 011, Fax : +91 - 261 - 2227312
E-mail : info@vnsgu.ac.in, Website : www.vnsgu.ac.in

SPEED POST

No.PG/Ph.D./20034/2019

Dt. 09-10-2019

To,

Dr. S. N. Salunkhe
68, Shrinivasbhau Nagar,
Kajgaon Road,
Parola 425111
Ta. Parola,
Dist. Jalgaon.

Dear Sir/Madam,

This is an acknowledge with thanks the receipt of your Letter Dt.16/09/2019 to assess the thesis and conduct the Viva-Voce Examination if required of Miss/Mrs./Mr. Tithalia Mehul Dhansukhbhai candidate for the award of Ph.D. Degree of this University in Mathematics. Please note that as per the rules of the assessment of thesis, the examiner has to give his/her categorical opinion in prescribed Proforma with detailed report also.

All Correspondence concerning this may please be addressed to The Registrar (P.G. Section), **VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT - 395007** under a sealed cover marked **CONFIDENTIAL**.

Yours sincerely,

FOR I/C REGISTRAR



ENCL.: THESIS

PROFORMA ENVELOPE

C.W.C. to..

To,
Dr. M. G. Timol
Dept. of Mathematics,
Veer Narmad South Gujarat University,
Surat.



Re-Accredited by NAAC with 'A' Grade

VEER NARMAD SOUTH GUJARAT UNIVERSITY

University Campus, Udhna-Magdalla Road, SURAT - 395 007, Gujarat, India.

વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી

યુનિવર્સિટી કેમ્પસ, ઉદ્ધના-મગદલ્લા રોડ, સુરત - ૩૯૫ ૦૦૭, ગુજરાત, ભારત.

Tel : +91 - 261 - 2227141 to 2227146, Toll Free : 1800 2333 011, Fax : +91 - 261 - 2227312

E-mail : info@vnsgu.ac.in, Website : www.vnsgu.ac.in

Certificate

This is to certify that **Dr. S. N. Salunkhe**, Head, Department of Mathematics, R. L. College, Parola, Di.-Jalgaon, has conducted the Ph.D. viva-voce examination of Mrs. Pragna Chandrakantbhai Mistry, scheduled on Saturday, 19/09/2020 at 12:30 p.m. in Computer lab. Department of Mathematics, V.N.S.G.University, Surat. The Hon'ble Vice chancellor of V.N.S.G.University, Surat has appointed him to act as a referee.

Place : Surat
Date : 19/09/2020



D.C. Joshi

D.C. Joshi

Head

Department of Mathematics
Veer Narmad
South Gujarat University
SURAT - 395 007. (Gujarat)



स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नानेड

"ज्ञानतीर्थ" परिसर, विशुपुरी, नानेड - ४३१६०६ (महाराष्ट्र)

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY NANDED

"Dnyanteerth", Vishnupuri, Nanded - 431606 Maharashtra State (INDIA)

Established on 17th September 1994 - Recognized by the UGC U/s 2(f) and 12(B), NAAC Re-accredited with 'A' Grade

Phone : (02462) 229574

POST GRADUATION SECTION

Website: srtmun.ac.in

Ext. No. 143,153

E-mail: pg@srtmun.ac.in

Ref:/P.G./Ph.D./Thesis/2020-21/ 6398

Date: 27/11/2020

To

Dr. S. N. Salunkhe
Dept. of Mathematics,
Rani Laxmibai College,
Parola - 425 111
Dist. Jalgaon.

28

Subject:- Thesis submitted by Mr. Pedge Balaji Kishanrao degree of Doctor of Philosophy in the Subject Mathematics under the faculty of Science & Technology.

Sir/Madam,

I am thankful to you for having acceptance to examine the Ph.D. thesis entitled "Some Remarkable Work in Random Differential Inclusion And Its Application". You are requested to kindly forward your report making a specific recommendations as to whether the thesis should be *accepted, rejected or resubmitted after revision*. It is desirable that you conclude your report with the sentence '*I recommend that the thesis be accepted/rejected/revised and resubmitted for Ph.D. Degree of Swami Ramanand Teerth Marathwada University, Nanded*'. The Performa of report is enclosed herewith. You are requested to send one copy of the report to the Guide & Second copy directly by mentioning the reference number of this letter to:

The Assistant Registrar,
P.G. Section,
Swami Ramanand Teerth Marathwada University,
Vishnupuri, NANDED - 431 606 (M.S.)

It will be appreciated if the report is sent as early as possible but not later than *Sixty days* from the receipt of thesis. The thesis may be returned separately by Registered post. The Postal expenses will be reimbursed on submission of receipt along with the honorarium bill. Honorarium bill form is enclosed to enable you to prepare your bill for examining the thesis. Kindly acknowledge the receipt of the letter and the thesis.

Thanking you.



Yours faithfully,

P. A. K. MICHON
Asst. Registrar
P.G. Section

ENCL : A COPY OF THESIS.

Note:

1. Kindly state the clear remark regarding awardation/revision of evaluated Thesis at the end of detail report.
 2. The External Examiners are paid *Rs. 1500/-* for the examination of thesis and *Rs.600/-* for conducting Viva-Voce Examination of the Candidate.
 3. Postal charges incurred for return of Ph.D. thesis are paid by the University for which the Examiner required to send the postal receipts in original with the remuneration bill form
 4. In case of non-acceptance please return the thesis by post (Reg. Ad) & expenses for this be claimed
- Note: Please mention your 1) Bank account No. 2) Bank address 3) I.F.S Code at back side of the remuneration bill for online payment.**



Re-Accredited by NAAC with 'A' Grade

VEER NARMAD SOUTH GUJARAT UNIVERSITY

University Campus, Udhna-Magdalla Road, SURAT - 395 007, Gujarat, India.

વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી

યુનિવર્સિટી કેમ્પસ, ઉદ્ધના-મગદલ્લા રોડ, સુરત - ૩૯૫ ૦૦૭, ગુજરાત, ભારત.

Tel : +91 - 261 - 2227141 to 2227146, Toll Free : 1800 2333 011, Fax : +91 - 261 - 2227312

E-mail : info@vnsgu.ac.in, Website : www.vnsgu.ac.in

Certificate

This is to certify that **Dr. S. N. Salunkhe**, Head, Department of Mathematics, R. L. College, Parola, Di.-Jalgaon, has conducted the Ph.D. viva-voce examination of Mrs. Parmar Bhavnaben Nareshbhai, scheduled on Saturday, 19/09/2020 at 12:30 p.m. in Computer lab. Department of Mathematics, V.N.S.G.University, Surat. The Hon'ble Vice chancellor of V.N.S.G.University, Surat has appointed him to act as a referee.

Place : Surat
Date : 19/09/2020



M.G. Timol
M.G. Timol

Dr. M. G. Timol
M.Sc., Ph.D.
Professor of Mathematics
Department of Mathematics
Veer Narmad South Gujarat University
SURAT 395007



Re-Accredited by NAAC with 'A' Grade

VEER NARMAD SOUTH GUJARAT UNIVERSITY

University Campus, Udhna-Magdalla Road, SURAT - 395 007, Gujarat, India.

વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી

યુનિવર્સિટી કેમ્પસ, ઉદ્ધના-મગદલ્લા રોડ, સુરત - ૩૯૫ ૦૦૭, ગુજરાત, ભારત.

Tel : +91 - 261 - 2227141 to 2227146, Toll Free : 1800 2333 011, Fax : +91 - 261 - 2227312

E-mail : info@vnsgu.ac.in, Website : www.vnsgu.ac.in

SPEED POST

No.PG/Ph.D./Refe/12403/2022

Dt. 16-06-2022

To

Dr. S. N. Salunkhe
Dept. of Mathematics,
Rani Laxmibai College,
Parola,
Dist. Jalgaon 425111

Sub : Assessment of the Thesis for Ph.D. Degree.

Dear Sir/Madam,

Thanks for accepting our invitation to examine the thesis. With this we are enclosing following thesis for examination.

Candidate's Name :	Khare Vishwas Shrikrishna
Faculty :	Science
Subject :	Mathematics
Internal Referee :	Dr. M. G. Timol
Title / Topic of the Thesis / Dissertation :	SYMMETRY ANALYSIS METHOD AND ITS APPLICATIONS TO DIFFERENTIAL EQUATIONS

You are hereby requested to examine the aforementioned thesis and submit report in prescribed Performa so as to reach us latest on or before Date: 15/08/2022 by Post and an advance copy (complete report signed and scanned copy) via E-mail: pg@vnsgu.ac.in.

All Correspondence and queries concerning this may please be addressed to The Registrar (P.G. Section), **VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT – 395007** under a sealed cover marked **CONFIDENTIAL** or via e-mail pg@vnsgu.ac.in.



Yours sincerely

For I/C REGISTRAR

Enclosures: 1. Thesis, 2. Performa of report, 3. Blank Envelop, 4. Performa of Bill for remuneration

Copy forward for your kind Information:

To,

Dr. M. G. Timol
Dept. of Mathematics,
Veer Narmad South Gujarat University,
Surat.



॥ सा विद्या या विमुक्तये ॥

स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड

'ज्ञानतीर्थ', विष्णुपुरी, नांदेड - ४३१ ६०६ (महाराष्ट्र राज्य) भारत

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED

'Dnyanteerth', Vishnupuri, Nanded - 431 606 (Maharashtra State) INDIA

Established on 17th September, 1994, Recognized By the UGC U/s 2(f) and 12(B), NAAC Re-accredited with 'B++' grade

Phone : (02462) 229574

POST GRADUATION SECTION

Website: srtmun.ac.in

Ext. No. 143,153

E-mail: pg@srtmun.ac.in

Ref:/P.G./Ph.D./Thesis/Math./PM More/2023-24/ 5346

Date: 30/06/2023

06/7/23

To,

Dr. S. N. Salunke,
Head, Dept. of Mathematics,
Rani Laxmibai College,
Parola, Dist. Jalgaon - 425 111.

Subject:- Thesis submitted by Mr. Shinde Santosh Popatrao degree of Doctor of Philosophy in the Subject Mathematics under the faculty of Science & Technology.

Sir/Madam,

I am thankful to you for having acceptance to examine the Ph.D. thesis entitled "On Some Synamics System of Quadratic Fractional Differential And Integral Equations" You are requested to kindly forward your report making a specific recommendations as to whether the thesis should be *accepted, rejected or resubmitted after revision*. It is desirable that you conclude your report with the sentence '*I recommend that the thesis be accepted/rejected/revise and resubmitted for Ph.D. Degree of Swami Ramanand Teerth Marathwada University, Nanded*'. The Performa of report is enclosed herewith. You are requested to send one copy of the report to the Guide & Second copy directly by mentioning the reference number of this letter to:

Assistant Registrar,
P.G. Section,
Swami Ramanand Teerth Marathwada University,
Vishnupuri, NANDED - 431 606 (M.S.)

It will be appreciated if the report is sent as early as possible but not later than *Sixty days* from the receipt of thesis. The thesis may be returned separately by Registered post. The Postal expenses will be reimbursed on submission of receipt along with the honorarium bill. Honorarium bill form is enclosed to enable you to prepare your bill for examining the thesis. Kindly acknowledge the receipt of the letter and the thesis. Thanking you.

Yours faithfully,

P. K. M. W.

Asst.Registrar
P.G. Section



ENCL : A COPY OF THESIS.

Note:

1. Kindly state the clear remark regarding awardation/revision of evaluated Thesis at the end of detail report.
 2. The External Examiners are paid **Rs.3000/-** for the examination of thesis and **Rs.700/-** for conducting Viva-Voce Examination of the Candidate.
 3. Postal charges incurred for return of Ph.D. thesis are paid by the University for which the Examiner required to send the postal receipts in original with the remuneration bill form
 4. In case of non-acceptance please return the thesis by post (Reg. Ad) & expenses for this be claimed
- Note: Please mention your 1) Bank account No. 2) Bank address 3) I.F.S Code at back side of the remuneration bill for online payment.



Office: 02597 292665
: 02597 292666

Sahajvan Shikshan Prasarak Mandal (Tehu) Sanchalit
Rani Laxmibai Mahavidyalaya, Parola Dist. Jalgaon
(NAAC Accredited B grade)

Establishment: June 1992
Regi. No: MAHA/1299/Jalgaon
Website: www.rlcollegeparola.com

Dr. S. N. SALUNKHE
M.Sc.Ph.D.
Head, Dept. of Mathematics
E-mail: saisns@rediffmail.com
Mobile: 9420348619

Outward No: Ph.D./Eva./01/2023-2024

Date: 19/07/2023

To,
The Assistant Registrar,
P.G. Section,
Swami Ramanand Teerth Marathwada University,
Vishnupuri, **Nanded-431606**

Subject: Assessment Report of Ph.D. Thesis
Reference Letter No.: P.G./Ph.D./Thesis/Math./PM More/2023-24/5346
Dt. 04/07/23.

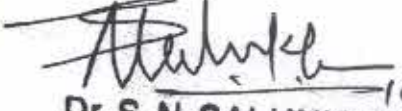
Dear Sir/Madam,

With reference to the above cited subject, I am sending herewith the Ph.D. thesis assessment report of **Mr. Shinde Santosh Popatrao** in the subject of Mathematics under the faculty of Science and Technology for his Ph.D. degree. Please be acknowledged kindly. Sir I would like to thank the university Authorities heartily for providing me an opportunity to work as a referee for the Ph.D. thesis in your esteemed university. If there is anything to do, please ask me again. Please do the needful and highly oblige.

Thanking you.

Sincerely Yours




Dr. S. N. SALUNKHE 19.7.23
Head & Research Guide
Dept. of Mathematics
R. L. Mahavidyalaya, Parola
Dist. Jalgaon-425111
(External Referee)

<Dial 18002666068> (Wear Mask Stay Safe)
RN385391413IN IVR:0277395
RL PAROLA SQ (425111)
Counter No: 1, 20/07/2023, 12:43
To: ASST REGISTRAR, P G SECTION
PIN: 431606, SRTHU Nanded S.D
From: S N SALUNKHE, R L COLLEGE
Wt: 25gms
Amt: 27.00 (Cash)
<Track on www.indiapost.gov.in>

Established: June 1992

Sahajivan Shikshan Prasarak Mandal (Tehu) Sanchalit



Rani Laxmibai Mahavidyalaya Parola

Dist. Jalgaon 425111 Tel: (02597) 292666

Web : www.rlcollegeparola.org

Email : principalrlcparola@gmail.com

Outward No.

Date : / /20

**Criterion 3
Research, Innovations
&
Extension**

Ph.D. topic Approval and declaration letter



KAVAYITRI BAHINABAI CHAUDHARI NORTH MAHARASHTRA UNIVERSITY, JALGAON

KBCNMU/11/Ph.D./Conf.Letter/Online/ Phy. /2021

To,

Date : 02-09-2021

Mr. RAKESH BRAMHADAS MESHRAM

Subject:- Admission to Ph.D. Course in the Subject of Physics under the faculty of Science and Technology.

Sir/Madam,

With reference to the above subject, this is to inform you that, you were provisionally registered for Ph.D. course in the subject to Physics under the faculty of Science and Technology. Now, after successful presentation of your research outline before RRC meeting and completing of Pre-Ph.D. Course work, the University authorities have confirmed your admission to Ph.D. course in the above subject and faculty. The particulars of your admission are as below :-

Registration Details	
a) Name of Guide	Dr. Suryawanshi Dinesh Nagraj
b) Name of Co-guide (if any)	-
c) Place of Research Work	BULK AND NANOMATERIAL RESEARCH LABORATORY
d) Date of Registration	02-11-2020
e) Date of Approval of Research Title (RRC)	28-08-2021
f) Application No.	PHD-2019-SB7MK2
g) Topic of Research	Studies on gas sensing performance of pure and doped Cr ₂ O ₃ thin films prepared by Spray Pyrolysis Technique

Paper	Paper I (Research Methodology & Research and Publication Ethics)	Paper - II (Subject Specific Course)	Paper - III (Guide Course)
Grade	B	A	O

Note: -

- Rules and regulations regarding Ph.D. are as per UGC regulation, 2009 (Minimum Standards and Procedure for Awards of M.Phil/Ph.D. degree) and Ph.D. Guideline-2017 of Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon ammended from time to time and fees will be applicable as stated in provisional registration letter.
- You are requested to apply for eligibility certificate to the Research section of this university within Six Months from the date of issue of this letter. The eligibility fee is Rs. 500/- and late fee of Rs. 1000/- will be charged if the candidate fails to apply for eligibility certificate within Six Months from the date of issue of this letter. To fulfill eligibility within one year from the date of issue of the letter is mandatory, otherwise your admission is liable to be cancelled. (Ph.D Guidelines -2017, Annexure-IV).
- Six Monthly Progress Report : The students are required to upload their Six Monthly Progress report Online in Softcopy (PDF) format through their Login every six month. For this purpose, the login of the students will be opened for a period of one month after every six month. This softcopy will be submitted after the approval of

guide. The Six Monthly progress Report should be submitted date to date in time i.e. from the date of approval of research title. (Ph.D. Guidelines 2017, Annexure- V).

4. The students are required to submit a copy of all Six Monthly Progress Reports signed and duly endorsed by guide at the time of permission for submission of synopsis in the University.
5. The candidate should pay tuition fee as well as other fees regularly in time. The fee structure and late fee, during the Process for Ph.D. degree will be as prescribed by the University authorities from time to time.
6. The candidate should submit a photocopy/ hard copy of these letter to the Research Section of the University immediately after the receipt.

Yours faithfully,

sd/-

(Shri. V. V. Talele)
Assistant Registrar
Research Section

———— This is a computer generated document hence does not require any signature. ————





VIVEKANANDA GLOBAL UNIVERSITY, JAIPUR

(Established By Act 11/2012 of Rajasthan Govt. covered U/S 2(f) of UGC Act, 1956)
Recognised by UGC - Council of Architecture (CSA), Bar Council of India, Pharmacy Council of India (PCI) and
All India Council for Technical Education (AICTE) for constituent college (Provisional Member of AIU)

VGU/Ph.D./2021-22/ 3067

19/08/2021

Ms. Chaudhari Dhanashri Satish
Email: dhanashrichaudhari2234@gmail.com
Phone: 8381000705

Sub: Allotment of Provisional Supervisor

Dear Scholar,

Your Registration as Research Scholar with the Faculty of Basic & Applied Sciences, Department of Physics of the University is confirmed and your Registration No. is VGU/2020-21/Res/Sch/Phy/0804, is to be used for any further correspondence with the University.

Details of your Provisional Supervisors:

Name: Dr. Sushila

Affiliation: Associate Professor, Department of Physics, VGU, Jaipur

Email ID: sushila@vgu.ac.in

Contact No: 94616 73365

Name: Dr. Patil Devidas Ramrao

Affiliation: Head & Professor, Department of Physics, R L. College Parola, Jalgaon-
Maharashtra

Email ID: prof_drpatil@yahoo.in

Contact No: +91-9860335029

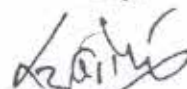
You are requested to submit your Research proposal duly approved by your supervisor by 31st August 2021.

We are planning to hold your DRC meeting in the month of September 2021.

Thanking you.



Yours truly,


Dr. Subodh Srivastava
Dean R&D



VIVEKANANDA GLOBAL UNIVERSITY, JAIPUR

(Established by Act 11/2012 of Rajasthan Govt. Covered u/s 2(f) of UGC Act, 1956)
Recognised by UGC, Council of Architecture (COA), Bar Council of India, Pharmacy Council of India (PCI) and All India Council for Technical Education (AICTE) for constituent college (Provisional Member of AIU)

VGU/Ph.D./2021-22/ 3066

19/08/2021

Ms. Patil Dipali Rajendra
Email: dipalirpatil41194@gmail.com
Phone: 9022545670

Sub: Allotment of Provisional Supervisor

Dear Scholar,

Your Registration as Research Scholar with the Faculty of Basic & Applied Sciences, Department of Physics of the University is confirmed and your Registration No. is VGU/2020-21/Res/Sch/Phy/0805, is to be used for any further correspondence with the University.

Details of your Provisional Supervisors:

Name: Dr. Sushila
Affiliation: Associate Professor, Department of Physics, VGU, Jaipur
Email ID: sushila@vgu.ac.in
Contact No: 94616 73365

Name: Dr. Patil Devidas Ramrao
Affiliation: Head & Professor, Department of Physics, R L College Parola, Jalgaon-
Maharashtra
Email ID: prof_drpatil@yahoo.in
Contact No: +91-9860335029

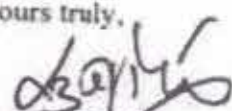
You are requested to submit your Research proposal duly approved by your supervisor by 31st August 2021.

We are planning to hold your DRC meeting in the month of September 2021.

Thanking you.



Yours truly,


Dr. Subodh Srivastava
Dean R&D



VIVEKANANDA GLOBAL UNIVERSITY, JAIPUR

(Established by Act 11/2012 of Rajasthan Govt. Covered u/s 2(f) of UGC Act, 1956)
Recognised by UGC, Council of Architecture (COA), Bar Council of India, Pharmacy Council of India (PCI) and
All India Council for Technical Education (AICTE) for constituent college (Provisional Member of AIU)

VGU/Ph. D. /2019-20/ 907

27/12/2019

Mr. Nikam Harshal Aadhar
+91- 9503273847
nikamharshall19@gmail.com

Sub: Confirmation of your registration as Research Scholar

Dear Scholar,

I am pleased to inform that you have successfully cleared your Pre-Ph.D. Course Work Examination as per norms of the University.

Your Registration as Research Scholar with the **Faculty of Basic & Applied Sciences, Department of Physics** of the University is confirmed. Your Provisional Enrolment number is 19BSC7PH#001 which is to be used for any correspondence, in future, with the University.

Thanking you.

Yours truly,

Prof. (Dr.) Y.C. Sharma
Dean, Research & Development





KAVAYITRI BAHINABAI CHAUDHARI NORTH MAHARASHTRA UNIVERSITY, JALGAON

KBCNMU/11/Ph.D./Conf.Letter/Online/ Phy./2023

Date : 02-07-2023

To,

Ms. JANHAVI SUNIL PATIL

Subject: Admission to Ph.D. Course in the Subject of Physics under the faculty of Science and Technology

Sir/Madam,

With reference to the above subject, this is to inform you that, you were provisionally registered for Ph.D. course in the subject **Physics**, under the faculty of **Science and Technology**. Now, after successful completing of Pre-Ph.D. Course work and presentation of your Research Outline before RRC meeting, the University authorities have confirmed your admission to Ph.D. course in the above subject and faculty. The particulars of your admission are as below :-

Registration Details	
a) Name of Guide	Dr. Patil Devidas Ramrao
b) Name of Co-guide (if any)	---
c) Place of Research Work	DEPARTMENT OF PHYSICS (NANOMATERIAL SYNTHESIS LAB)
d) Date of Registration	14-10-2022
e) Date of Approval of Research Title (RRC)	20-06-2023
f) Application No.	PHD-2021-R1K48C
g) Topic of Research	Hybrid Structured Metal Oxide Semiconductor based Ammonia gas sensors

Paper	Paper I (Research Methodology & Research and Publication Ethics)	Paper - II (Subject Specific Course)	Paper - III (Guide Course)
Grade	O	O	O

Note:-

1. Rules and regulations regarding Ph.D. are as per UGC regulation, 2009 (Minimum Standards and Procedure for Awards of M.Phil/Ph.D. degree) and Ph.D. Guideline-2017 of Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon amended from time to time and fees will be applicable as stated in provisional registration letter.
2. You are requested to apply for eligibility certificate to the Research section of this university within Six Months from the date of issue of this letter. The eligibility fee is Rs. 500/- and late fee of Rs. 1000/- will be charged if the candidate fails to apply for eligibility certificate within Six Months from the date of issue of this letter. To fulfill eligibility within one year from the date of issue of the letter is mandatory, otherwise your admission is liable to be cancelled.
3. **Six Monthly Progress Report** : The students are required to upload their Six Monthly Progress report (duly signed by RAC) Online in Softcopy (PDF) format through their Login every six month. For this purpose, the login of the students will be opened for a period of one month after every six month. This softcopy will be submitted after the approval of guide. The Six Monthly progress Report should be submitted date to date in time i.e. from the date of approval of research title. (Ph.D. Guidelines 2017, Annexure- V)
4. The students are required to submit a copy of all Six Monthly Progress Reports signed and duly endorsed by guide at the time of permission for submission of synopsis in the University.
5. The candidate should pay tuition fee as well as other fees regularly in time. The fee structure and late fee, during the Process for Ph.D. degree will be as prescribed by the University authorities from time to time.
6. The candidate should submit a photocopy/ hard copy of this letter to the Research Section of the University immediately after the receipt.
7. If the affiliated colleges/ institutes where the research center/laboratory are not recognised, it is mandatory for the research guides from the affiliated colleges/institutes to get recognition to their research center/laboratory within six months from the date of issuance of this letter.
8. The Research Guide shall submit the Completion Certificate of Theory Course work Paper-II of Research Center/ RAC as per Annexure-II of Guideline to the Ph.D. Section of University, within 15 days of issuance of this letter. (Those guides who are already submitted, need not submit again).

Yours faithfully,

sd/-

(Shri. V. V. Talele)
Deputy Registrar
Research Section

Copy to : 1) Research Guide - Dr. Patil Devidas Ramrao, SSPMTehus Rani Laxmibai College Parola Dist.Jalgaon425111 (M)
9860335029
2) Principal, Director SSPMTehus Rani Laxmibai College Parola Dist.Jalgaon425111

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KAVAYITRI BAHINABAI CHAUDHARI NORTH MAHARASHTRA UNIVERSITY, JALGAON

Date : 25-06-2019

To,

Mr. AMRUT YUVARAJ PATIL

Subject- Admission to Ph.D. Course in the Subject of Chemistry under the faculty of Science and Technology

Sir/Madam,

With reference to the above subject, this is to inform you that, you were provisionally registered for Ph.D. course in the subject to Chemistry under the faculty of Science and Technology. Now, after successful presentation of your research outline before RRC meeting and completing of Pre-Ph.D. Course work, the University authorities have confirmed your admission to Ph.D. course in the above subject and faculty. The particulars of your admission are as below :-

Registration Details	
a) Name of Guide	Dr. Borse Gukul Purju
b) Name of Co-guide (if any)	--
c) Place of Research Work	DEPARTMENT OF CHEMISTRY, RANI LAKSHMIBAI MAHAVIDYALAY PAROLA-425111
d) Date of Registration	22-05-2018
e) Date of Approval of Research Title (RRC)	13-02-2019
f) Application No.	PHD-2017-DFMPYE
g) Topic of Research	Study of Carbonaceous Biowaste Material A Heterogeneous Catalyst For Green Chemical Reactions

Paper	Paper I (Research Methodology)	Paper - II (Subject Specific Course)	Paper - III (Guide Course)
Grade	D	C	B

Note: -

1. Rules and regulations regarding Ph.D. are as per UGC regulation, 2009 (Minimum Standards and Procedure for Awards of M.Phil/Ph.D. degree) and Ph.D. Guideline-2017 of Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon and fees will be applicable as stated in provisional registration letter.
2. You are requested to apply for eligibility certificate to the Research section of this university within Six Months from the date of issue of this letter. The eligibility fee is Rs. 300/- and late fee of Rs. 1000/- will be charged if the candidate fails to apply for eligibility certificate within Six Months from the date of issue of this letter. To fulfill eligibility within one year from the date of issue of the letter is mandatory, otherwise your admission is liable to be cancelled. (Ph.D. Guidelines -2017, Annexure-IV).
3. **Six Monthly Progress Report** : The students are required to upload their Six Monthly Progress report Online in Softcopy (PDF) format through their Login every six month. For this purpose, the login of the students will be opened for a period of one month after every six month. This softcopy will be submitted after the approval of guide. The Six Monthly progress Report should be submitted date to date in time i.e. from the date of approval of research title. (Ph.D. Guidelines 2017, Annexure-V).
4. The students are required to submit a copies of all Six Monthly Progress Reports signed and duly endorsed by guide at the time of permission for submission of synopsis in the University.
5. The candidate should pay tuition fee as well as other fees regularly in time. The fee structure and late fee, during the Process for Ph.D. degree will be as prescribed by the University authorities from time to time.
6. The candidate should submit a photocopy/ hard copy of this letter to the Research Section of the University immediately after the receipt.

Yours faithfully,

sd/-

Deputy Registrar
Research Section

— This is a computer generated document hence does not require any signature. —





KAVAYITRI BAHINABAI CHAUDHARI NORTH MAHARASHTRA UNIVERSITY, JALGAON

Date: 16-07-2019

To,

Mr. RAHUL SANJAY GARUD

Subject:- Admission to Ph.D. Course in the Subject of Chemistry under the faculty of Science and Technology

Sir/Madam,

With reference to the above subject, this is to inform you that, you were provisionally registered for Ph.D. course in the subject to Chemistry under the faculty of Science and Technology. Now, after successful presentation of your research outline before RRC meeting and completing of Pre-Ph.D. Course work, the University authorities have confirmed your admission to Ph.D. course in the above subject and faculty. The particulars of your admission are as below :-

Registration Details		
a)	Name of Guide	Dr. Borse Gukul Punju
b)	Name of Co-guide (if any)	-
c)	Place of Research Work	RANI LAXMIBAI MAHAVIDYALA PAROLA
d)	Date of Registration	22-05-2018
e)	Date of Approval of Research Title (RRC)	09-04-2019
f)	Application No.	PHD-2017-XLIRM5
g)	Topic of Research	Studies of Density, Viscosity, Ultrasonic Velocity and Excess Thermodynamic Parameters of Some Ternary Mixtures

Paper	Paper I (Research Methodology)	Paper - II (Subject Specific Course)	Paper - III (Guide Course)
Grade	B	B	O

Note: -

1. Rules and regulations regarding Ph.D. are as per UGC regulation, 2009 (Minimum Standards and Procedure for Awards of M.Phil/Ph.D. degree) and Ph.D. Guideline-2017 of Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon and fees will be applicable as stated in provisional registration letter.
2. You are requested to apply for eligibility certificate to the Research section of this university within Six Months from the date of issue of this letter. The eligibility fee is Rs. 500/- and late fee of Rs. 1000/- will be charged if the candidate fails to apply for eligibility certificate within Six Months from the date of issue of this letter. To fulfill eligibility within one year from the date of issue of the letter is mandatory, otherwise your admission is liable to be cancelled. (Ph.D Guidelines -2017, Annexure-IV).
3. **Six Monthly Progress Report** : The students are required to upload their Six Monthly Progress report Online in Softcopy (PDF) format through their Login every six month. For this purpose, the login of the students will be opened for a period of one month after every six month. This softcopy will be submitted after the approval of guide. The Six Monthly progress Report should be submitted date to date in time i.e. from the date of approval of research title. (Ph.D. Guidelines 2017, Annexure- V).
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6. The candidate should submit a photocopy/ hard copy of this letter to the Research Section of the University immediately after the receipt.



Yours faithfully,

sd/-

Deputy Registrar
Research Section



KAVAYITRI BAHINABAI CHAUDHARI NORTH MAHARASHTRA UNIVERSITY, JALGAON

Date: 17-02-2020

To,

Mr. VINAYAK DASHARATH CHAUDHARI

Subject: Admission to Ph.D. Course in the Subject of Chemistry under the faculty of Science and Technology

Sir/Madam,

With reference to the above subject, this is to inform you that, you were provisionally registered for Ph.D. course in the subject to Chemistry under the faculty of Science and Technology. Now, after successful presentation of your research outline before ERC meeting and completing of Pre-Ph.D. Course work, the University authorities have confirmed your admission to Ph.D. course in the above subject and faculty. The particulars of your admission are as below:-

Registration Details	
a) Name of Guide	Dr. Borse Gukul Purje
b) Name of Co-guide (if any)	-
c) Place of Research Work	DEPARTMENT OF CHEMISTRY, RANI LAXMIBAI MAHAVIDYALAYA, PAROLA
d) Date of Registration	22-05-2018
e) Date of Approval of Research Title (ERC)	10-12-2019
f) Application No.	PHD-2017-S1CRK9
g) Topic of Research	Structural modification of Lignin Biomaste to metal free super acid Heterogeneous catalyat for organic synthesis.

Paper	Paper I (Research Methodology)	Paper - II (Subject Specific Course)	Paper - III (Guide Course)
Grade	D	D	A

Note:-

1. Rules and regulations regarding Ph.D. are as per UGC regulation, 2009 (Minimum Standards and Procedures for Awards of M.Phil/Ph.D. degree) and Ph.D. Guideline-2017 of Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon and fees will be applicable as stated in provisional registration letter.
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6. The candidate should submit a photocopy/ hard copy of this letter to the Research Section of the University immediately after the receipt.



Yours faithfully,

sd/-

Deputy Registrar
Research Section

— This is a computer generated document hence does not require any signature. —



KAVAYITRI BAHINABAI CHAUDHARI NORTH MAHARASHTRA UNIVERSITY, JALGAON

KBCNMU/11/Ph.D./Conf.Letter/Online/ ChnR. /2023

Date : 03-07-2023

To,

Ms. MOHINI SUNIL NIKAM

Subject- Admission to Ph.D. Course in the Subject of Chemistry under the faculty of Science and Technology

Sir/Madam,

With reference to the above subject, this is to inform you that, you were provisionally registered for Ph.D. course in the subject Chemistry under the faculty of Science and Technology. Now, after successful completing of Pre-Ph.D. Course work and presentation of your Research Outline before RRC meeting, the University authorities have confirmed your admission to Ph.D. course in the above subject and faculty. The particulars of your admission are as below :-

Registration Details	
a) Name of Guide	Dr. Borse Gukul Punju
b) Name of Co-guide (if any)	-
c) Place of Research Work	RANI LAKSHMIBAI MAHAVIDYALAY PAROLA, DIST. JALGAON -425111
d) Date of Registration	14-10-2022
e) Date of Approval of Research Title (RRC)	20-06-2023
f) Application No.	PHD-2021-RD5XNC
g) Topic of Research	Molecular Interaction Studies of some Binary Liquid Mixtures by measurement of Viscosity, Density and Ultrasonic Velocity at different temperatures.

Paper	Paper - I (Research Methodology & Research and Publication Ethics)	Paper - II (Subject Specific Course)	Paper - III (Guide Course)
Grade	D	D	D

Note :-

1. Rules and regulations regarding Ph.D. are as per UGC regulation, 2009 (Minimum Standards and Procedure for Awards of M.Phil/Ph.D. degree) and Ph.D. Guideline-2017 of Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon amended from time to time and fees will be applicable as stated in provisional registration letter.
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4. The students are required to submit a copy of all Six Monthly Progress Reports signed and duly endorsed by guide at the time of permission for submission of synopsis in the University.
5. The candidate should pay tuition fee as well as other fees regularly in time. The fee structure and late fee, during the Process for Ph.D. degree will be as prescribed by the University authorities from time to time.
6. The candidate should submit a photocopy/ hard copy of this letter to the Research Section of the University immediately after the receipt.
7. If the affiliated colleges/ institutes where the research center/laboratory are not recognised, it is mandatory for the research guides from the affiliated colleges/institutes to get recognition to their research center/laboratory within six months from the date of issuance of this letter.
8. The Research Guide shall submit the Completion Certificate of Theory Course work Paper-II of Research Center/ RAC as per Annexure -II of Guideline to the Ph.D. Section of University, within 15 days of issuance of this letter. (Those guides who are already submitted, need not submit again).

Yours faithfully,

sd/-

(Shri. V. V. Talele)
Deputy Registrar
Research Section



Copy to : 1) Research Guide - Dr. Borse Gukul Punju , SSPMTehus Rani Laxmibai College Parola Dist.Jalgaon425111 (M) 9421519085

2) Principal, Director SSPMTehus Rani Laxmibai College Parola Dist.Jalgaon425111



KAVAYITRI BAHINABAI CHAUDHARI NORTH MAHARASHTRA UNIVERSITY, JALGAON

KBCNMU/11/Ph.D./Conf.Letter/Online/ Chem. /2021

Date : 03-09-2021

To,

Mr. KALPESH HIMMATRAO PATIL

Subject- Admission to Ph.D. Course in the Subject of Chemistry under the faculty of Science and Technology.

Sir/Madam,

With reference to the above subject, this is to inform you that, you were provisionally registered for Ph.D. course in the subject to Chemistry under the faculty of Science and Technology. Now, after successful presentation of your research outline before RRC meeting and completing of Pre-Ph.D. Course work, the University authorities have confirmed your admission to Ph.D. course in the above subject and faculty. The particulars of your admission are as below :-

Registration Details	
a) Name of Guide	Dr. Sonwane Narendra Shivdas
b) Name of Co-guide (if any)	Dr. Borse Gukul Punju
c) Place of Research Work	RANI LAXMIBAI MAHAVIDYALAYA PAROLA DIST JALGAON
d) Date of Registration	02-11-2020
e) Date of Approval of Research Title (RRC)	28-08-2021
f) Application No.	PHD-2019-VU8G5H
g) Topic of Research	Density Ultrasonic velocity and viscosity studies of some binary mixtures at various temperatures

Paper	Paper I (Research Methodology & Research and Publication Ethics)	Paper - II (Subject Specific Course)	Paper - III (Guide Course)
Grade	C	B	O

Note :-

1. Rules and regulations regarding Ph.D. are as per UGC regulation, 2009 (Minimum Standards and Procedure for Awards of M.Phil/Ph.D. degree) and Ph.D. Guideline-2017 of Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon amended from time to time and fees will be applicable as stated in provisional registration letter.
2. You are requested to apply for eligibility certificate to the Research section of this university within Six Months from the date of issue of this letter. The eligibility fee is Rs. 500/- and late fee of Rs. 1000/- will be charged if the candidate fails to apply for eligibility certificate within Six Months from the date of issue of this letter. To fulfill eligibility within one year from the date of issue of the letter is mandatory, otherwise your admission is liable to be cancelled. (Ph.D Guidelines -2017, Annexure-IV).
3. **Six Monthly Progress Report** : The students are required to upload their Six Monthly Progress report Online in Softcopy (PDF) format through their Login every six month. For this purpose, the login of the students will be opened for a period of one month after every six month. This softcopy will be submitted after the approval of guide. The Six Monthly progress Report should be submitted date to date in time i.e. from the date of approval of research title. (Ph.D. Guidelines 2017, Annexure-V).
4. The students are required to submit a copy of all Six Monthly Progress Reports signed and duly endorsed by guide at the time of permission for submission of synopsis in the University.
5. The candidate should pay tuition fee as well as other fees regularly in time. The fee structure and late fee, during the Process for Ph.D. degree will be as prescribed by the University authorities from time to time.
6. The candidate should submit a photocopy/ hard copy of these letter to the Research Section of the University immediately after the receipt.

Yours faithfully,

sd/-



(Shri. V. V. Talele)
Assistant Registrar
Research Section



KAVAYITRI BAHINABAI CHAUDHARI NORTH MAHARASHTRA UNIVERSITY, JALGAON

KBCNMU/11/Ph.D./Conf.Letter/Online/ Math./2021

Date: 24-09-2021

To,

Mr. CHANDU MOTILAL KOLI

Subject:- Admission to Ph.D. Course in the Subject of Mathematics under the faculty of Science and Technology.



Sir/Madam,

With reference to the above subject, this is to inform you that, you were provisionally registered for Ph.D. course in the subject to Mathematics under the faculty of Science and Technology. Now, after successful presentation of your research outline before RRC meeting and completing of Pre-Ph.D. Course work, the University authorities have confirmed your admission to Ph.D. course in the above subject and faculty. The particulars of your admission are as below :-

Registration Details		
a)	Name of Guide	Dr. Salunkhe Shantaram Narayan
b)	Name of Co-guide (if any)	-
c)	Place of Research Work	DEPARTMENT OF MATHEMATICS
d)	Date of Registration	02-11-2020
e)	Date of Approval of Research Title (RRC)	28-08-2021
f)	Application No.	PHD-2019-ZHL9U2
g)	Topic of Research	Study of Heat and Mass Transfer Effects on MHD Convective Flows

Paper	Paper I (Research Methodology & Research and Publication Ethics)	Paper - II (Subject Specific Course)	Paper - III (Guide Course)
Grade	A	A	O

Note: -

- Rules and regulations regarding Ph.D. are as per UGC regulation, 2009 (Minimum Standards and Procedure for Awards of M.Phil/Ph.D. degree) and Ph.D. Guideline-2017 of Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon ammended from time to time and fees will be applicable as stated in provisional registration letter
- You are requested to apply for eligibility certificate to the Research section of this university within Six Months from the date of issue of this letter. The eligibility fee is Rs. 500/- and late fee of Rs. 1000/- will be charged if the candidate fails to apply for eligibility certificate within Six Months from the date of issue of this letter. To fulfill eligibility within one year from the date of issue of the letter is mandatory, otherwise your admission is liable to be cancelled. (Ph.D Guidelines -2017, Annexure-IV).
- Six Monthly Progress Report :** The students are required to upload their Six Monthly Progress report Online in Softcopy (PDF) format through their Login every six month. For this purpose, the login of the students will be opened for a period of one month after every six month. This softcopy will be submitted after the approval of guide. The Six Monthly progress Report should be submitted date to date in time i.e. from the date of approval of research title. (Ph.D. Guidelines 2017, Annexure- V).
- The students are required to submit a copy of all Six Monthly Progress Reports signed and duly endorsed by guide at the



KAVAYITRI BAHINABAI CHAUDHARI NORTH MAHARASHTRA UNIVERSITY, JALGAON

KBCNMMU/11/Ph.D./Conf Letter/Online/ Math. /2021

Date : 02/09/2021

To,

Mr. KESHAVSING LAKHANSING PARADESHI

Subject: Admission to Ph.D. Course in the Subject of Mathematics under the faculty of Science and Technology

Sir/Madam,

With reference to the above subject, this is to inform you that, you were provisionally registered for Ph.D. course in the subject to Mathematics under the faculty of Science and Technology. Now, after successful presentation of your research outline before RRC meeting and completing of Pre-Ph.D. Course work, the University authorities have confirmed your admission to Ph.D. course in the above subject and faculty. The particulars of your admission are as below :-

Registration Details		
a)	Name of Guide	Dr. Salunkhe Shantaram Narayan
b)	Name of Co-guide (if any)	--
c)	Place of Research Work	DEPARTMENT OF MATHEMATICS
d)	Date of Registration	02-11-2020
e)	Date of Approval of Research Title (RRC)	28-08-2021
f)	Application No	PHD-2019-A70J0D
g)	Topic of Research	Study of Some Numerical Methods for Solution of Fractional Differential Equations

Paper	Paper I (Research Methodology & Research and Publication Ethics)	Paper - II (Subject Specific Course)	Paper - III (Guide Course)
Grade	O	C	O

Note: -

1. Rules and regulations regarding Ph.D. are as per UGC regulation, 2009 (Minimum Standards and Procedure for Awards of M.Phil/Ph.D. degree) and Ph.D. Guideline-2017 of Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon amended from time to time and fees will be applicable as stated in provisional registration letter
2. You are requested to apply for eligibility certificate to the Research section of this university within Six Months from the date of issue of this letter. The eligibility fee is Rs. 500/- and late fee of Rs. 1000/- will be charged if the candidate fails to apply for eligibility certificate within Six Months from the date of issue of this letter. To fulfill eligibility within one year from the date of issue of the letter is mandatory, otherwise your admission is liable to be cancelled. (Ph.D Guidelines-2017, Annexure-IV).
3. **Six Monthly Progress Report** : The students are required to upload their Six Monthly Progress report Online in Softcopy (PDF) format through their Login every six month. For this purpose, the login of the students will be opened for a period of one month after every six month. This softcopy will be submitted after the approval of

7/2/2019



KAVAYITRI BAHINABAI CHAUDHARI NORTH MAHARASHTRA UNIVERSITY, JALGAON



Date 16-07-2019

To,

Mr. BIPIN PANDURANG JALHAVI

Subject - Admission to Ph.D. Course in the Subject of Mathematics under the faculty of Science and Technology

Sir/Madam,

With reference to the above subject, this is to inform you that, you were provisionally registered for Ph.D. course in the subject to Mathematics under the faculty of Science and Technology. Now, after successful presentation of your research outline before RRC meeting and completing of Pre-Ph.D. Course work, the University authorities have confirmed your admission to Ph.D. course in the above subject and faculty. The particulars of your admission are as below :-

Registration Details	
a) Name of Guide	Dr.Salunkhe Shantaram Narayan
b) Name of Co-guide (if any)	-
c) Place of Research Work	
d) Date of Registration	13-02-2019
e) Date of Approval of Research Title (RRC)	13-02-2019
f) Application No.	PHD-2014-LN410C
g) Topic of Research	Invariant Solutions of Partial Differential Equations of Fluid Flow

Paper	Paper I (Research Methodology)	Paper - II (Subject Specific Course)	Paper - III (Guide Course)
Grade	B	D	B

Note: -

- Rules and regulations regarding Ph.D. are as per UGC regulation, 2009 (Minimum Standards and Procedure for Awards of M.Phil/Ph.D. degree) and Ph.D. Guideline-2017 of Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon and fees will be applicable as stated in provisional registration letter.
- You are requested to apply for eligibility certificate to the Research section of this university within Six Months from the date of issue of this letter. The eligibility fee is Rs. 500/- and late fee of Rs. 1000/- will be charged if the candidate fails to apply for eligibility certificate within Six Months from the date of issue of this letter. To fulfill eligibility within one year from the date of issue of the letter is mandatory, otherwise your admission is liable to be cancelled (Ph.D Guidelines -2017, Annexure-IV).
- Six Monthly Progress Report : The students are required to upload their Six Monthly Progress report Online in Softcopy (PDF) format through their Login every six month. For this purpose, the login of the students will be



KAVAYITRI BAHINABAI CHAUDHARI NORTH MAHARASHTRA UNIVERSITY, JALGAON

Date : 28-05-2019

To,

Mr. MADHUKAR POPATRAO ZANJE

Subject:- Admission to Ph.D. Course in the Subject of Mathematics under the faculty of Science and Technology.

Sir/Madam,

With reference to the above subject, this is to inform you that, you were provisionally registered for Ph.D. course in the subject to Mathematics under the faculty of Science and Technology. Now, after successful presentation of your research outline before RRC meeting and completing of Pre-Ph.D. Course work, the University authorities have confirmed your admission to Ph.D. course in the above subject and faculty. The particulars of your admission are as below :-

Registration Details		
a)	Name of Guide	Dr. Salunkhe Shantaram Narayan
b)	Name of Co-guide (if any)	-
c)	Place of Research Work	SCHOOL OF MATHEMATICAL SCIENCES
d)	Date of Registration	24-05-2018
e)	Date of Approval of Research Title (RRC)	13-02-2019
f)	Application No.	PHD-2017-QWN4RJ
g)	Topic of Research	On Nonlinear Fractional Differential equations and Applications.

Paper	Paper I (Research Methodology)	Paper - II (Subject Specific Course)	Paper - III (Guide Course)
Grade	C	A	O

Note: -

1. Rules and regulations regarding Ph.D. are as per UGC regulation, 2009 (Minimum Standards and Procedure for Awards of M.Phil/Ph.D. degree) and Ph.D. Guideline-2017 of Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon and fees will be applicable as stated in provisional registration letter.
2. You are requested to apply for eligibility certificate to the Research section of this university within Six Months from the date of issue of this letter. The eligibility fee is Rs. 500/- and late fee of Rs. 1000/- will be charged if the candidate fails to apply for eligibility certificate within Six Months from the date of issue of this letter. To fulfill eligibility within one year from the date of issue of the letter is mandatory, otherwise your admission is liable to be cancelled. (Ph.D Guidelines -2017, Annexure-IV).
3. Six Monthly Progress Report : The students are required to upload their Six Monthly Progress report Online in Softcopy (PDF) format through their Login every six month. For this purpose, the login of the students will be



KAVAYITRI BAHINABAI CHAUDHARI NORTH MAHARASHTRA UNIVERSITY, JALGAON

KBCN/09/11/Ph.D./Conf.Letter/Online/ Geog./2022

Date: 02-07-2022

To,

Mr. RAJDNAR RAMCHANDRA PATEL

Subject: Admission to Ph.D. Course in the Subject of Geography under the faculty of Science and Technology

Sir/Madam,

With reference to the above subject, this is to inform you that, you were provisionally registered for Ph.D. course in the subject Geography under the faculty of Science and Technology. Now, after successful completing of Pre-Ph.D. Course work and presentation of your Research Outline before RPC meeting, the University authorities have confirmed your admission to Ph.D. course in the above subject and faculty. The particulars of your admission are as below :-



Registration Details	
a) Name of Guide	Dr. SUNIL MOTILAL PATIL
b) Name of Co-guide (if any)	-
c) Place of Research Work	KISAN COLLEGE PAROLA
d) Date of Registration	14-10-2022
e) Date of Approval of Research Title (RPC)	20-06-2023
f) Application No.	PHD-2021-A3IEK5
g) Topic of Research	GEOGRAPHICAL STUDY OF RURAL SETTLEMENT IN DHULE DISTRICT MAHARASHTRA

Paper	Paper - I (Research Methodology & Research and Publication Ethics)	Paper - II (Subject Specific Course)	Paper - III (Guide Course)
Grade	C	A	D

Note: -

1. Rules and regulations regarding Ph.D. are as per UGC regulation, 2009 (Minimum Standards and Procedure for Awards of M.Phil/Ph.D. degree) and Ph.D. Guideline-2017 of Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon amended from time to time and fees will be applicable as stated in provisional registration letter
2. You are requested to apply for eligibility certificate to the Research section of this university within Six Months from the date of issue of this letter. The eligibility fee is Rs. 500/- and late fee of Rs. 1000/- will be charged if the candidate fails to apply for eligibility certificate within Six Months from the date of issue of this letter. To fulfill eligibility within one year from the date of issue of the letter is mandatory, otherwise your admission is liable to be cancelled.
3. Six Monthly Progress Report: The students are required to upload their Six Monthly Progress report (duly signed by RAC) Online in Softcopy (PDF) format through their Login every six months. For this purpose, the login of the students will be opened for a period of one month after every six months. This softcopy will be submitted after the approval of guide. The Six Monthly progress Report should be submitted date to date in time i.e. from the date of approval of research title. (Ph.D. Guidelines 2017, Annexure-V)
4. The students are required to submit a copy of all Six Monthly Progress Reports signed and duly endorsed by guide at the time of permission for submission of synopsis in the University.
5. The candidate should pay tuition fee as well as other fees regularly in time. The fee structure and late fee, during the Process for Ph.D. degree will be as prescribed by the University authorities from time to time.
6. The candidate should submit a photocopy/ hard copy of this letter to the Research Section of the University immediately after the receipt.
7. If the affiliated colleges/ institutes where the research center/laboratory are not recognised, it is mandatory for the research guides from the affiliated colleges/institutes to get recognition to their research center/laboratory within six months from the date of issuance of this letter.
8. The Research Guide shall submit the Completion Certificate of Theory Course work Paper-II of Research Centre/ RAC as per Annexure- II of Guideline to the Ph.D. Section of University within 15 days of issuance of this letter (Those guides who are already submitted, need not submit again).

Yours faithfully,

sd/-

(Shri. V. V. Talele)
Deputy Registrar
Research Section

Copy to: 1) Research Guide - Dr. SUNIL MOTILAL PATIL, SAHJIVAN SHIKSHAN PRASARAK MANDALS RANI LAXMIBAI COLLEGE PAROLA (M) 9422784466
2) Principal, Director SAHJIVAN SHIKSHAN PRASARAK MANDALS RANI LAXMIBAI COLLEGE PAROLA

— This is a computer generated document hence does not require any signature. —



KAVAYITRI BAHINABAI CHAUDHARI NORTH MAHARASHTRA UNIVERSITY, JALGAON

KBCNMU/11/Ph.D./Conf.Letter/Online/Geog./2022

Date: 02-07-2023

To,

Mr. RAJDHAR RAMCHANDRA PATE

Subject- Admission to Ph.D. Course in the Subject of Geography under the faculty of Science and Technology

Sir/Madam,

With reference to the above subject, this is to inform you that, you were provisionally registered for Ph.D. course in the subject Geography under the faculty of Science and Technology. Now after successful completing of Pre-Ph.D. Course work and presentation of your Research Outline before RRC meeting, the University authorities have confirmed your admission to Ph.D. course in the above subject and faculty. The particulars of your admission are as below :-

Registration Details		
a)	Name of Guide	Dr. SUNIL MOTILAL PATIL
b)	Name of Co-guide (if any)	--
c)	Place of Research Work	KOSAN COLLEGE PAROLA
d)	Date of Registration	14-10-2022
e)	Date of Approval of Research Title (RRC)	20-06-2023
f)	Application No.	PHD-2021-A3IEK5
g)	Topic of Research	GEOGRAPHICAL STUDY OF RURAL SETTLEMENT IN DHULE DISTRICT MAHARASHTRA

Paper	Paper I (Research Methodology & Research and Publication Ethics)	Paper - II (Subject Specific Course)	Paper - III (Guide Course)
Grade	C	A	O

Note: -

1. Rules and regulations regarding Ph.D. are as per UGC regulation, 2009 (Minimum Standards and Procedure for Awards of M.Phil/Ph.D. degree) and Ph.D. Guideline-2017 of Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon amended from time to time and fees will be applicable as stated in provisional registration letter.
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7. If the affiliated colleges/ Institutes where the research centre/laboratory are not recognised, it is mandatory for the research guides from the affiliated colleges/institutes to get recognition to their research centre/laboratory within six months from the date of issuance of this letter.
8. The Research Guide shall submit the Completion Certificate of Theory Course work Paper-II of Research Center/ RAC as per Annexure -II of Guideline to the Ph.D. Section of University, within 15 days of issuance of this letter. (Those guides who are already submitted, need not submit again).

Yours faithfully,

sd/-

(Shri. V. V. Talele)
Deputy Registrar
Research Section

Copy to: 1) Research Guide - Dr. SUNIL MOTILAL PATIL, SAHJIVAN SHIKSHAN PRASARAK MANDALS RANI LAXMIBAI COLLEGE PAROLA (M) 9422784466
2) Principal Director SAHJIVAN SHIKSHAN PRASARAK MANDALS RANI LAXMIBAI COLLEGE PAROLA



KAVAYITRI BAHINABAI CHAUDHARI NORTH MAHARASHTRA UNIVERSITY, JALGAON

KBCNMU/11/Ph.D./Conf Letter/Online/ Hls. /2023

Date : 02-07-2023

To,

Mr. KUNAL ADHAR MAHAJAN

Subject:- Admission to Ph.D. Course in the Subject of History under the faculty of Humanities.

Sir/Madam,

With reference to the above subject, this is to inform you that, you were provisionally registered for Ph.D. course in the subject History under the faculty of Humanities. Now, after successful completing of Pre-Ph.D. Course work and presentation of your Research Outline before RRC meeting, the University authorities have confirmed your admission to Ph.D. course in the above subject and faculty. The particulars of your admission are as below :-



Registration Details	
a) Name of Guide	Dr. MANISH RAGHUNATH KARANJE
b) Name of Co-guide (if any)	--
c) Place of Research Work	KAVAYITRI BAHINABAI CHAUDHARI,NORTH MAHARASHTRA UNIVERSITY JALGAON
d) Date of Registration	12-10-2022
e) Date of Approval of Research Title (RRC)	23-05-2023
f) Application No.	PHD-2021-NZBTUS
g) Topic of Research	घाटीसंगत तानुव्याधा सांस्कृतिक आणि ऐतिहासिक अभ्यास

Paper	Paper I (Research Methodology & Research and Publication Ethics)	Paper - II (Subject Specific Course)	Paper - III (Guide Course)
Grade	C	A	O

Note:-

1. Rules and regulations regarding Ph.D. are as per UGC regulation, 2009 (Minimum Standards and Procedure for Awards of M.Phil/Ph.D. degree) and Ph.D. Guideline-2017 of Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon amended from time to time and fees will be applicable as stated in provisional registration letter.
2. You are requested to apply for eligibility certificate to the Research section of this university within Six Months from the date of issue of this letter. The eligibility fee is Rs. 500/- and late fee of Rs. 1000/- will be charged if the candidate fails to apply for eligibility certificate within Six Months from the date of issue of this letter. To fulfill eligibility within one year from the date of issue of the letter is mandatory, otherwise your admission is liable to be cancelled.
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4. The students are required to submit a copy of all Six Monthly Progress Reports signed and duly endorsed by guide at the time of permission for submission of synopsis in the University.
5. The candidate should pay tuition fee as well as other fees regularly in time. The fee structure and late fee, during the Process for Ph.D. degree will be as prescribed by the University authorities from time to time.
6. The candidate should submit a photocopy/ hard copy of this letter to the Research Section of the University immediately after the receipt.
7. If the affiliated colleges/ institutes where the research center/laboratory are not recognised, it is mandatory for the research guides from the affiliated colleges/institutes to get recognition to their research center/laboratory within six months from the date of issuance of this letter.
8. The Research Guide shall submit the Completion Certificate of Theory Course work Paper-II of Research Center/ RAC as per Annexure -II of Guideline to the Ph.D. Section of University, within 15 days of issuance of this letter (Those guides who are already submitted, need not submit again).

Yours faithfully,

sd/-

(Shri. V. V. Talele)
Deputy Registrar
Research Section

Copy to : 1) Research Guide - Dr. MANISH RAGHUNATH KARANJE , SAHJIVAN SHIKSHAN PRASARAK MANDALS RANI LAXMIBAI COLLEGE PAROLA (M) 7886277216
2) Principal, Director SAHJIVAN SHIKSHAN PRASARAK MANDALS RANI LAXMIBAI COLLEGE PAROLA

----- This is a computer generated document hence does not require any signature. -----



Rani Laxmibai Mahavidyalaya Parola

Dist. Jalgaon 425111 Tel: (02597) 292666

Web : www.rlcollegeparola.org
Email : principalrlcparola@gmail.com

Outward No.


Date : / /20

Criterion 3
Research, Innovations
&
Extension

Innovation and Avishkar Competition participation

Activity Report

Sr.No.	Activity	Activity Details
1	Title of Activity	Research Festival, District level
2	Date of Activity	12/2018
3	Name of Resource Person	Peer team of KBC,NMU,Jalgaon
4	Coordinator	Dr.D.R.Patil Physics
5	Report	<p>Avishkar is a research festival provides platform for all students to present and globalize their innovations, ideas and skills. District and University level invention festival is organized by the University in every academic year. The main objective of this festival is to inculcate interest in research among students and professors and to turn them towards research and to give priority to innovation along with education. All participants should prepare their poster/model based on their own work /innovation. ...</p> <p>level Avishkar at their respective district centres. Student from different academic schools of KBC NMU and UICT will have to participate at KBC NMU campus level Avishkar.</p>
6	No. of Participants	2
7	List of Participants	Attached
8	Photos	


Coordinator, IQAC
Rani Laxmibai Mahavidyalaya
Parola, Dist. Jalgaon




PRINCIPAL
Rani Laxmibai Mahavidyalaya
Parola, Dist. Jalgaon

Activity Report

Sr.No.	Activity	Activity Details
1	Title of Activity	Research Festival, District level
2	Date of Activity	30/12/2019
3	Name of Resource Person	Peer team of KBC,NMU,Jalgaon
4	Coordinator	Dr.D.R.Patil, Physics
5	Report	<p>Avishkar is a research festival provides platform for all students to present and globalize their innovations, ideas and skills. District and University level invention festival is organized by the University in every academic year. The main objective of this festival is to inculcate interest in research among students and professors and to turn them towards research and to give priority to innovation along with education. All participants should prepare their poster/model based on their own work /innovation. ... Level Avishkar at their respective district centres. Student from different academic schools of KBC NMU and UICT will have to participate at KBC NMU campus level Avishkar.</p>
6	No. of Participants	09
7	List of Participants	Attached
8	Photos	




Coordinator, IQAC
 Rani Laxmibai Mahavidyalaya
 Parola, Dist. Jalgaon




PRINCIPAL
 Rani Laxmibai Mahavidyalaya
 Parola, Dist. Jalgaon

Avishkar- 2019




PRINCIPAL
Rani Laxmibai Mahavidyalaya
Parola, Dist. Jalgaon



Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

Research Festival

DISTRICT/REGIONAL LEVEL AVISHKAR - 2018



Participation Details:	
Registration ID:	AV-1469
College Name:	RANI LAXMIBAI COLLEGE, PAROLA
Region/District of Participation:	Jalgaon District
Theme Area in which Participating:	Pure Sciences
Subject Name:	Physical Sciences
Presentation Mode:	Model of Research Project
Participating Category:	Under Graduate (UG)
Group/Team Size:	2
Title of the Presentation:	Homemade Clean Energy Generation at Low Cost

Research Details					
Awarded with Ph.D.	No	Doing research under VCRMS Scheme	No		
University where registered for Ph.D.	Not Applicable				
Registration Fee Details:					
Registration Fees (Rs.)	400				
Facilities Required					
Water Facility:	No	Table Facility	Yes	Electricity Supply	Yes

Participant Details:				
Sr. No.	Name	Email	Phone/Mobile No.	Address
1	Mr. Vaibhav Rajendra Patil	prof_drpatil@yahoo.in	9860335029	Dept. of Physics, R. I. College, Parola Dist. Jalgaon
2	Mr. Harshal Ashok Patil	prof_drpatil@yahoo.in	9860335029	Dept. of Physics, R. I. College, Parola Dist. Jalgaon

Place:-

Date:-

Signature of the Candidate(s)

The above participant(s) is/are bonafide student/faculty of our College/Institute:



Signature and Seal Principal/Head/Director

Note:

1. Students are requested to submit the hard copy of the application form along with entry fees Rs. 200/- per participant in cash to the principal/director of your college on or before 05 December 2018 and collect the receipt of payment.
2. Principals / Directors are requested to accept the application form and fees and submit the same to the Avishkar District / Regional Coordinator on or before 07 December 2018.
3. Students are requested to attach the copy of abstract along with the application form.



Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon
Research Festival

DISTRICT/REGIONAL LEVEL AVISHKAR - 2019

[Handwritten Signature]
Date: 21/12/2019

Participation Details:	
Registration ID	AV-1937
College Name	RANI LAXMIBAI COLLEGE, PAROLA
Region/District of Participation	Jalgaon District
Thematic Area in which Participating	Pure Sciences
Subject Name	Physical Sciences
Presentation Mode	Model of Research Project
Participating Category	Under Graduate (UG)
Group/Team Size	2
Title of the Presentation	Physics in a Bag

Research Details					
Awarded with Ph.D.	No	Doing research under VCRMS Scheme	No		
University where registered for Ph.D.	Not Applicable				
Registration Fee Details:					
Registration Fees (Rs.)	400				
Facilities Required					
Water Facility	No	Table Facility	Yes	Electricity Supply	No

Participant Details:				
Sr No.	Name	Email	Phone/Mobile No.	Address
1	Ms. Archana Himmatrao Patil	prof_drpatil@yahoo.in	9860335029	R. I. College Parola Dist Jalgaon
2	Ms. Rohini Ramesh Patil	prof_drpatil@yahoo.in	9860335029	R. I. College Parola Dist Jalgaon

Place:-

Date:-

Signature of the Candidate(s)

The above participant(s) is/are bonafide UG/PG student or Ph.D. Scholar/Teacher from KRCNMU doing Ph.D. in our School/College/Institute



Signature and Seal Principal/Head/Director

Note:

1. Students are requested to submit the hard copy of the application form along with entry fees Rs. 200/- per participant in cash to the principal/director of your college on or before 14 December 2019 and collect the receipt of payment.
2. Principals / Directors are requested to accept the application form and fees and submit the same to the Avishkar District / Regional Coordinator on or before 17 December 2019
3. Students are requested to attach the copy of abstract along with the application form



Kavayitri Bahinabai Chaudhari North Maharashtra University , Jalgaon

Research Festival

DISTRICT/REGIONAL LEVEL AVISHKAR - 2019



Participation Details:	
Registration ID:	AV-1934
College Name:	RANI LAXMIBAI COLLEGE, PAROLA
Region/District of Participation:	Jalgaon District
Theme Area in which Participating:	Pure Sciences
Subject Name:	Physical Sciences
Presentation Mode:	Model of Research Project
Participating Category:	Under Graduate (UG)
Group/Team Size:	2
Title of the Presentation:	Innovations in Physics

Research Details			
Awarded with Ph.D.:	No	Doing research under VCRMS Scheme:	No
University where registered for Ph.D.:	Not Applicable		
Registration Fee Details:			
Registration Fees (Rs.):	400		
Facilities Required			
Water Facility:	No	Table Facility:	Yes
		Electricity Supply:	No

Participant Details:				
Sr. No.	Name	Email	Phone/Mobile No.	Address
1	Ms. Sali Vishakha Prabhakar	prof_drpatil@yahoo.in	9860335029	R. L. College, Parola Dist. Jalgaon
2	Ms. Patil Bhavana Hemraj	prof_drpatil@yahoo.in	9860335029	R. L. College, Parola Dist. Jalgaon

Place:-
Date:-
Signature of the Candidate(s)

The above participant(s) is/are bonafide UG/PG student or Ph.D. Scholar/Teacher from KBCNMU doing Ph.D. in our School/College/Institute



Signature and Seal Principal/Head/Director

- Note:**
- Students are requested to submit the hard copy of the application form along with entry fees Rs. 200/- per participant in cash to the principal/director of your college on or before 14 December 2019 and collect the receipt of payment.
 - Principals / Directors are requested to accept the application form and fees and submit the same to the Avishkar District / Regional Coordinator on or before 17 December 2019
 - Students are requested to attach the copy of abstract along with the application form.



Kavayitri Bahinabai Chaudhari North Maharashtra University , Jalgaon
Research Festival

DISTRICT/REGIONAL LEVEL AVISHKAR - 2019



Participation Details:	
Registration ID:	AV-1940
College Name:	RANI LAXMIBAI COLLEGE, PAROLA
Region/District of Participation:	Jalgaon District
Theme Area in which Participating:	Pure Sciences
Subject Name:	Physical Sciences
Presentation Mode:	Model of Research Project
Participating Category:	Under Graduate (UG)
Group/Team Size:	2
Title of the Presentation:	Generation of Electricity from Noise

Research Details					
Awarded with Ph.D.	No	Doing research under VCRMS Scheme	No		
University where registered for Ph.D.		Not Applicable			
Registration Fee Details:					
Registration Fees (Rs.)	400				
Facilities Required					
Water Facility:	No	Table Facility:	Yes	Electricity Supply	No

Participant Details.				
Sr. No.	Name	Email	Phone/Mobile No.	Address
1	Ms. Kavita Satish Patil	prof_drpatil@yahoo.in	9860335029	R I College, Parola Dist Jalgaon
2	Ms. Varsha Dhanaraj Patil	prof_drpatil@yahoo.in	9860335029	R I College, Parola Dist Jalgaon

Place:-

Date:-

Signature of the Candidate(s)

The above participant(s) is/are bonafide UG/PG student or Ph.D. Scholar/Teacher from KBCNMU doing Ph.D. in our School/College/Institute



Signature and Seal Principal/Head/Director

Note:

1. Students are requested to submit the hard copy of the application form along with entry fees Rs. 200/- per participant in cash to the principal/director of your college on or before 14 December 2019 and collect the receipt of payment.
2. Principals / Directors are requested to accept the application form and fees and submit the same to the Avishkar District / Regional Coordinator on or before 17 December 2019
3. Students are requested to attach the copy of abstract along with the application form.



Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon
Research Festival



DISTRICT/REGIONAL LEVEL AVISHKAR - 2019

Participation Details:	
Registration ID	AV-1945
College Name	RANI LAXMIBAI COLLEGE, PAROLA
Region/District of Participation	Jalgaon District
Theme Area in which Participating	Pure Sciences
Subject Name	Physical Sciences
Presentation Mode	Model of Research Project
Participating Category	Under Graduate (UG)
Group/Team Size	2
Title of the Presentation	Home Made Solar Cooker from Scrap Materials

Research Details			
Awarded with Ph.D.	No	Doing research under VCRMS Scheme	No
University where registered for Ph.D.	Not Applicable		
Registration Fee Details:			
Registration Fees (Rs.)	400		
Facilities Required			
Water Facility	No	Table Facility	Yes
Electricity Supply	No		

Participant Details:				
Sr No.	Name	Email	Phone/Mobile No.	Address
1	Ms. Kavita Satish Patil	prof_drpatil@yahoo.in	9860335029	R I College Parola, Dist. Jalgaon
2	Ms. Nikita Namdeo Shelar	prof_drpatil@yahoo.in	9860335029	R I College Parola, Dist. Jalgaon

Place:-

Date:-

Signature of the Candidate(s)

The above participant(s) is/are bonafide UG/PG student or Ph.D. Scholar/Teacher from KBCNMU doing Ph.D. in our School/College/Institute



Signature and Seal Principal/Head/Director

Note:

1. Students are requested to submit the hard copy of the application form along with entry fees Rs. 200/- per participant in cash to the principal/director of your college on or before 14 December 2019 and collect the receipt of payment.
2. Principals / Directors are requested to accept the application form and fees and submit the same to the Avishkar District / Regional Coordinator on or before 17 December 2019
3. Students are requested to attach the copy of abstract along with the application form



Kavayitri Bahinabai Chaudhari North Maharashtra University , Jalgaon
Research Festival
DISTRICT/REGIONAL LEVEL AVISHKAR - 2019



Participation Details:	
Registration ID	AV-1957
College Name	RANI LAXMIBAI COLLEGE, PAROLA
Region/District of Participation	Jaigaon District
Theme Area in which Participating	Pure Sciences
Subject Name	Physical Sciences
Presentation Mode	Model of Research Project
Participating Category	Under Graduate (UG)
Group/Team Size	1
Title of the Presentation	Innovative Electric Car

Research Details			
Awarded with Ph.D.	No	Doing research under VCRMS Scheme	No
University where registered for Ph.D.	Not Applicable		
Registration Fee Details:			
Registration Fees (Rs.)	200		
Facilities Required			
Water Facility	No	Table Facility	Yes
		Electricity Supply	No

Participant Details:				
Sr No.	Name	Email	Phone/Mobile No.	Address
1	Ms. Varsha Santosh Patil	prof_drpatil@yahoo.in	9860335029	R.L. College Parola Dist. Jalgaon.

Place:-

Date:-

Signature of the Candidate(s)

The above participant(s) is/are bonafide UG/PG student or Ph.D. Scholar/Teacher from KBCNMU doing Ph.D. in our School/College/Institute



Signature and Seal Principal/Head/Director

- Note:
1. Students are requested to submit the hard copy of the application form along with entry fees Rs. 200/- per participant in cash to the principal/director of your college on or before 14 December 2019 and collect the receipt of payment.
 2. Principals / Directors are requested to accept the application form and fees and submit the same to the Avishkar District / Regional Coordinator on or before 17 December 2019
 3. Students are requested to attach the copy of abstract along with the application form.

Established: June 1992

Sahajvan Shikshan Prasarak Mandal (Tehu) Sanchalit



Rani Laxmibai Mahavidyalaya Parola

Dist. Jalgaon 425111 Tel: (02597) 292666

Web : www.rcollegeparola.org

Email : principalrlcparola@gmail.com

Outward No.

Date : / /20

Criterion 3 Research, Innovations & Extension

MOUs and Collaborations



Rani Laxmibai Mahavidyalaya Parola

Dist. Jalgaon 425111 Tel: (02597) 292666

Dr. D. R. Patil
M. Sc. Ph. D.
Act. Principal

NAAC Accredited "B" Grade

Web : www.riccollegeparola.com
Email : principaricparola@gmail.com


Outward No.

Date: / / 20

List of MOUs Academic Year 2021-2022

Sr. No.	Organisation
1	Pujya Sane Guruji Granthalay And Mofat Vachanalay Sanchit Pujya Sane Guruji Mofat Spardha Pariksha Kendra , Amalner Dist Jalgaon Maharashtra 425401
2	North Maharashtra University Institute of Chemical Technology (UICIT)
3	Medical Officer Cottage Hospital, Parola Dist : Jalgaon (M.S.) 425111
4	Historian V. K. Rajwade Research Center DHULE (M.S.)
5	Municipal Council Parola, Dist : Jalgaon (M.S.) 425111
6	ADINATH AGRO INDUSTRIES PAROLA
7	UNIQUE INSTITUTE OF HIGHER LEARNING PVT. LTD. (THE UNIQUE ACADEMY) Head office- Fergusson College Road, Shivaji Nagar, Pune, Maharashtra 411004 Branch at - Rajas Chamber Infront of Nutan Maratha College, Jalgaon (M.S.)
8	Reliable's Shree Industrial Training Center, Jalgaon
9	Ambika Dairy Pvt. Ltd.
10	MIT Computers, Parola
11	Shaolin kung- fu international, NH-6, Jalgaon road Parola
12	SSVPS L.K.Dr.p.R. Ghogrey Science College, Dhule Dist: Dhule
13	Firoj Traders
14	International Science Community Association
15	Cottage Hospital, Parola




Coordinator, IQAC
Rani Laxmibai Mahavidyalaya
Parola, Dist. Jalgaon




PRINCIPAL
Rani Laxmibai Mahavidyalaya
Parola, Dist. Jalgaon

Established: June 1992

Sahajivan Shikshan Prasarak Mandal (Tehu) Sanchalit



Rani Laxmibai Mahavidyalaya Parola

Dist. Jalgaon 425111 Tel: (02597) 292666

Web : www.ricollegeparola.org

Email : principalrlcparola@gmail.com

Outward No.

Date : / /20

Criterion 3 Research, Innovations & Extension

Publications



Sahajvan Shikshan Prasarak Mandal (Telu) Sanchalit
RANI LAXMIBAI MAHAVIDYALAYA
PAROLA, DIST - JALGAON, 425111



3.3 Research publication

Data requirement;

Title of paper	Name of authors	Department of the faculty	Name of journal	ISSN/ISBN No.	Year of publication
Synthesis and evaluation of gas sensing properties of PANI, based Graphene oxide nano composite	Devidas patil	Physics	Mater.sci.and engg.	---	2017
Nanostructured gas sensors: scope for future research	D.R.Patil	Physics	Research journey	2348-7143	2017
Excess properties of binary mixture of ethanolamine with water at different higher temperature.	Dinesh N.Suryawanshi	Physics	Word J.off pharmaceutical research	2277-7105	2017
Impact of pesticides on behaviour of the fresh water snail, thiaralinea	Dinesh N.Suryawanshi	Physics	Word J.off pharmaceutical research	2277-7105	2017
Synthesis, characterisation and gas sensing performs pure and modified Cr ₂ O ₃ thick films	Dinesh N.Suryawanshi	Physics	An int.J.on recent trends in Engg. Sci.		2017
Ethanol sensing properties of spray pyrolyzed ZnFe ₂ O ₄ thin film	Dinesh N.Suryawanshi	Physics	Inverties journal of science and technology		2017
Synthesis and characterisation pure and modified Cr ₂ O ₃ thick films as lpg sensor	Dinesh N.Suryawanshi	Physics	Word J.Off Pharmaceutical research	2277-7105	2017
Synthesis and characterisation of	Dinesh N.Suryaw	Physics	Journal off research and	2230-9578	2017



zinc oxide nano particles	anshi		development		
Preparation of thin films by using simple spray pyrolysis technic	Dinesh N.Suryaw anshi	Physics	Journal off research and development	2230-9578	2017
Impact of pesticides on behaviour of the fresh water snail, thiara lineata	Ahirrao K.D.	Zoology	World J. of pharmaceutica l research	2277-7105	2017
Excess properties of binary mixture of ethanolamine with water at different higher temperature.	Kiran. D. Ahirrao	Zoology	World J.of pharmaceutica l research	2277-7105	2017
Synthesis and characterisation pure and modified Cr2O3 thick films as lpg sensor	Kiran. D. Ahirrao	Zoology	World J. Of Pharmaceutic al research	2277-7105	2017
Faunal diversity of fish species from Nakana lake,Dist-Dhule	Kiran. D. Ahirrao	Zoology	World J. Of Pharmaceutic al research	2277-7105	2017
Foliar Anatomical Diversity in some Acanthaceae	Patil A.M.	Botany	Recent scientific research	0976-3031	2017
Origins of naming plant cultivars in Indian context 5.24 i.f.	Patil A.M.	Botany	International journal of advanced research and development	2455-4030	2017
Viscosities and densities for binary mixture of 1,2-ethanediol and water at higher temperatures.	Dr.G.P.Bo rse	Chemistry	Research journal of chemical science	2231-606X	2017
Physiological and physical alterations due to some pesticides on fresh water snail, thiara lineta .Or Impact of pesticides on behaviour of the fresh water snail, Thiralineata	Dr.G.P.Bo rse	Chemistry	World J.Of Pharmaceutical research	2277-7105	2017
Excess properties of binary mixtures of ethanolamine with	Dr.G.P.Bo rse	Chemistry	World J.Of Pharmaceutical	2277-7105	2017



water at different higher temperatures.			research		
Synthesis and characterization of pure and Modified CR203 thick films as LPG sensor.	Dr.G.P.Bo rse	Chemistry	World J.Off Pharmaceutical research	2277-7105	2017
Existence theorem for ordinary nonlinear differential equation	S.N. Salunkhe	Mathemati cs	IJRDO	2455-9210	2018
Synthesis and characterisation of pure and surface functionalised nano structured SnO2 thick film	D.R.Patil	Physics	J.Res.Dev	2230-9578	2018
Synthesis and characterisation of polyaniline-CuO non composite	D.R.Patil	Physics	J.Res.Dev	2230-9578	2018
Studies on Zn doped cadmium sulphide thin films as highly selective green light photo sensors	D.R.Patil	Physics	J.Res.Dev	2230-9578	2018
Synthesis and characterisation of zinc oxides nano wires	Dinesh N.Suryaw anishi	Physics	Int.J.off Che.and Phy.Sciences	2319-6602	2018
A Vifaunal diversity of parola	Dinesh N.Suryaw anishi	Physics	Word J.Off Pharmaceutical research	2252-2261	2018
Study of species richness Abundance,seasonal variation,virus biological and diversity indices of Malacofauna around parola city.	Kiran. D. Ahirrao	Zoology	The soudi J.of life science	4115-623X	2018
Curative role of ascorbic acid on cadmium toxicity induced in gills of the fresh water catfish Heteropnueses fossils	Kiran. D. Ahirrao	Zoology	World J. Of Pharmaceutic al research	2277-7105	2018
A Vifaunal diversity of parola	Kiran. D. Ahirrao	Zoology	World J. Of Pharmaceutic al research	2252-2261	2018
Zinck recover histological structure on cadmium toxicity	Kiran. D.	Zoology	World J. Of Pharmaceutic	2277-7105	2018



induced in intestines of the fresh water catfish Heteropneustes fossils	Ahirrao		al research		
Leaf anatomical investigation in some Acanthaceae. 5.24 i.f.	Patil A.M.	Botany	International journal of advanced research and development	2455-4030	2018
Nodal Anatomical Study In Some Rubiaceae.-II	C.R.Patil	Botany	Researchers World (Special issue)	2231-4172	2018
Approximation method for hybrid functional differential equations	S.N. Salunkhe	Mathematics	IJMTT	2231-5373	2019
Advancement in structural, electrical and sensing performance of surface modified SnO ₂ metal oxide	D.R.Patil	Physics	J.Emerging technologies and innovative research	2349-5162	2019
Improvement of H ₂ S sensing performance of SnO ₂ based thick film gas sensors surface activated by CuO.	D.R.Patil	Physics	Ajanta Int.Multi.Research J	2277-5730	2019
Synthesis and characterization of nanostructured SnO ₂ thick films and their microstructural analysis	Patil D.R.	Physics	I.J.Current research	0975-833X	2019
Gas sensing performance of pure and modified nanostructured screen printed Zirconia thick films	D.R.Patil	Physics	I.J.Engg.Res. Techno.	2278-0181	2019
Preparation, characterisation of nano structured ZnO powder and sensing performance its thick film sensor	Dinesh N.Suryawanshi	Physics	Ajanta	2277-5730	2019
Hydrogen gas sensor based on nano crystalline Titanium dioxide	Dinesh N.Suryaw	Physics	Ajanta	2277-5730	2019



thin film prepared by simple spray pyrolysis techniques	anshi				
Plant invasion in india as revealed from Tantrasarah	Patil A.M.	Botany	JETIR	2349-5162	2019
Hydrigen gas sensor based on nonocrystalline Titanium Dioxide thin film prepared by simple spray pyrolysis technique	Prakash Patil	Chemistry	AJANTA	2277- 5730	2019
MHD boundary layer flow and heat transfer in porous medium past an exponentially stretching sheet under the influence of radiation	S.N. Salunkhe+ 2	Mathematics	Heat transfer wiley Wileyonline library.com/journal/stj	doi:10.1002/htj,21752	2020
Effects of non linear thermal radiation overmagnetized stagnation point flow of Williamson fluid in porous media driven by stretching sheet	S.N. Salunkhe +3	Mathematics	Heat transfer wiley wiley Wileyonline library.com/journal/stj	Doi:10.1002/htj.21991	2020
A scalable screen printed high performance ZnO-UV and gas sensor effect of solution combustion	D.R.Patil+ 3	Physics	Material science in semiconductor processing	1369-8001	2020
Effect of Zinc substitution on magnesium ferrite Nano particles: structural, electrical magnetic and gas sensing properties.	Devidas R.Patil+8	Physics	Mater.Sci.and engg www.elsevier.com/locate/mseb	0921-5107	2020
Synthesis of Sn Doped TiO ₂ thin films and their applications to H ₂ gas sensing properties	Dinesh N.Suryawanshi	Physics	J.Of Engg.Sci. www.ijres.org	0377-9254	2020
Petiolar Anatomy as an Aid in Taxonomy of the Genus Ixora L. (Rubiaceae)	C.R.Patil	Botany	<u>Plantae Scientia</u>	2581-589X	2020



BIOCHEMICAL (PROXIMATE AND ELEMENTAL) ANALYSIS OF FRESHWATER CRABS BARYTELPHUSA CUNICULARIS WHICH ENHANCE TOFOOD DOMAIN	S.V.Chavan	Chemistry	W.J.P.R www.wjpr.net	2277-7105	2020
Extraction, Isolation and Characterization of Bioactive Compound from Tissue of Fresh Water Crab Barytelphusa cunicularis from Northern Region of Maharashtra	S.V.Chavan	Chemistry	I.J.I.S.R.T	2456-2165	2020
1HNMR BASED METABOLIC FINGERPRINTING ANALYSIS OFBARYTELPHUSA CUNICULARIS (FRESHWATER CRAB) TO EXPLORE THEMEDIOMIC PROFILE	S.V.Chavan	Chemistry	VIIRJ	2319-4979	2020
Asymptotic attractivity result for neutral functional differential equation	S.N. Salunkhe	Mathematics	IJMTT http://creativecommons.org/licenses/by-nc-nd/4.0/	2231-5373	2021
Ordinary functional differential equations with periodic boundary conditions involving caratheodory condition	S.N. Salunkhe	Mathematics	IJMTT http://creativecommons.org/licenses/by-nc-nd/4.0/	2231-5373	2021
A Review article on zirconia based thick film gas sensor	D.R.Patil+1	Physics	Int.J. for Res. In applied sci. and Engg.techno. www.ijraset.com	2321-9653	2021
Nanocrystlline spinal zinc-substituted cobalt ferrite thick film and efficient ethanol sensor.	D.R.Patil	Physics	Mat.today chemistry	2468-5194	2021
Synthesis and characterisation of	Dinesh N.Suryaw	Physics	World J.of	2277-7105	2021



Titanium oxide nano particles	anshi		Pha. Res. www.wjpr.net		
DNA-based identification and control of disease spreading mosquito cases: A review	Kiran Ahirrao+3	Zoology	J. of Applied Biology and bio-tech. http://jabonline.in	Doi:10.7324/JABB.2021.9116	2021
Extraction and analysis of bioactive compound from freshwater crab tissue	S.V.Chavan	Chemistry	AIP	2369,020129	2021
Hetrostructured Ga ₂ O ₃ -activated Bi ₂ O ₃ sensors for chlorine monitoring	D.R.Patil+4	Physics	Int.J.Res.Sci. Techno. www.ijrst.com	2454-180X	2022
Fundamentals of sensors, materials and methods: A review	D.R.Patil+6	Physics	Int.J.Res.Sci. Techno. www.ijrst.com	2454-180X	2022
Surface cupricated Sn _(0.03) Zn _(0.97) O ₃ hybrid structured e.nose for LPG monitoring at trace level	D.R.Patil+4	Physics	Neuro Quantology www.neuroquantology.com	2454-180X	2022
Highly selective ppm level ammonia gas sensor based on modified MoO ₃ operable at low temperature	D.R.Patil+6	Physics	Neuro Quantology www.neuroquantology.com	2454-180X	2022
STUDY OF NATURAL PRODUCTS FROM FRESHWATER BIODIVERSITY ISRECENT STRATEGY: AN OVERVIEW	S.V.Chavan	Chemistry	WJPR	2277-7105	2022
Selected bioactive plants from northern Maharashtra have antimicrobial activity against bacterial pathogens from infections and diseases	S.V.Chavan	Chemistry	IJSRD	2321-0613	2022

Coordinator, IQAC
Rani Laxmibai Mahavidyalaya
Parola, Dist. Jalgaon

PRINCIPAL
Rani Laxmibai Mahavidyalaya
Parola, Dist. Jalgaon



Sahajivan Shikshan Prasarak Mandal (Tehu) Sanchalit
RANI LAXMIBAI MAHAVIDYALAYA
PAROLA, DIST - JALGAON, 425111



ESTD: 1992

Website: ricollegeparola.com, Email: principal@parola@gmail.com, Tel: +91 2597 292666, Fax: +91 2597 292665

3.3.2 Number of books and chapters in edited volumes books published and papers published in National/ International conference proceedings per teacher during last five years. 2017-18 to 2021-22

(Paper published in National/ International Conference Proceedings per Teacher)

Name of the teacher	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
Mr. Sanjay Dharma Patil	Adhantar Natkamdhil vyaktichtr	1975 Nantrache Marathi Natak: aashay aani Rachna	One day national Conference	National	2017	978-93-85019-00-5	R.L. College, Parola	Prashant Publication, Jalgaon
Mr. sambhaji Babarao Sawant	Manuskila Kalima fasnare Natak: Devnavri.	1975 Nantrache Marathi Natak: aashay aani Rachna	One day national Conference	National	2017	978-93-85019-00-5	R.L. College, Parola	Prashant Publication, Jalgaon



Mr. sambhaji Babarao Sawant	Nagar jivan vykt karnariashok kotvalanchi kavita	Navodarit Marathi Kavita	One day national Conference	National	2017	978-81-923487-5-9	R.L.College,Parola	Yashwant Publication, Nanded
Mr Dilip Harsingh Rathod	Manavadhikar v balmajur	Human Rights: Issues and Challenges	One day Interdisciplinary Conference	National	2017	2347-9639	R.L.College,Parola	Atharva Publication
Dr.D.R.Patil	$V_2O_5-MnO_3$ -ZnO thick film resistors as highly selective trace level ethanol gas sensors	1 st International conference on Electronics, Materials Engg.and Nanotechnology. IEMENT-2017	Electronics, Materials Engg.and Nanotechnology. IEMENT-2017	International	2017	978-150905334-6	R.L.College,Parola	IEMENTEC H-2017 Science city, kolkata
Dr.D.R.Patil	Polyaniline-ZnO nanocomposites as ethanol gas sensors	ICC-2017	Condensed Matter and Applied Physics	International	2017	978-0-7354-1648-2/530.00	R.L.College,Parola	AIP,Publishing
Dr.D.R.Patil	Surface functionalized $Zr_{0.75}Sn_{0.25}O_4$ by SrO_2 thick films as H_2S gas sensors	ICC-2017	Condensed Matter and Applied Physics	International	2017	978-0-7354-1648-2/530.00	R.L.College,Parola	AIP,Publishing
Mr. S.D.Patil	Bahinabai Chaudhary Yanchya Kavitetil sri jivan darshan	Gender Equality and Women Empowerment	One day national level Seminar	National	2018	978-93-87129-94-8	R.L.College,Parola	Atharv Publication



Mr. sambhaji Babarao sawan	Anuradha Patil Yanchya Kaviteil sriwadi janiv.	Gender Equality and Women Empowerment	One day national level Seminar	National	2018	978-93-87129-94-8	R.L.College,Parola	Atharv Publication
Mr Dilip Harsingh Rathod	Rashtriya vikas aani Mahila sashlikaran	Gender Equality and Women Empowerment	One day national level Seminar	National	2018	978-93-87129-94-8	R.L.College,Parola	Atharv Publication
Mr Dilip Harsingh Rathod	Manav adhikar aani Bhartiya Mahilanche sthan.	Gender Equality and Women Empowerment	One day national level Seminar	National	2018	978-93-87129-94-8	R.L.College,Parola	Atharv Publication
Mr. S.D.Patil	Dr.Aika Kulkarni yanchya chkwa kadambricha aashay	Literature: new trends and tendencies	One day National level conference	National	2018	2348-7143	R.L.College,Parola	Research Journey
Mr. sambhaji Babarao sawan	Aher katha sangrahatil sri vyatha	Literature: new trends and tendencies	One day National level conference	National	2018	2348-7143	R.L.College,Parola	Research Journey
Mr. sambhaji Babarao sawant	Sant Sahityamdhe sant kayitrinchi abhangrachna	Marathi sabhitya charcha aani chintan	One day national Seminar	National	2018	2319-9318	R.L.College,Parola	Harshwardhan Publication, Limbaganesh, Dist. Beed
Prof.A.S.Mahale	Agricultural problems in Amalner Tahsil of Jalgaon district (MS)	Maharashtra Bhugolshastr international Conference	Maharashtra Bhugolshastr Parishad	International	2019	2277-5730	R.L.College,Parola	AJANTA
Mr Dilip Harsingh Rathod	Rashtrubharnit mahilanchya babbat samaj	Role of Social Reformers in Nation Building	Two days interdisciplinary International	International	2019	2348-7143	R.L.College,Parola	Prashant Publication, Jalgaon



	sudharakanchi bhumika	Conference							
Mr Dilip Harsingh Rathod	Bhartachya rasht ubharmit samaj sudharkanchi bhumika	Two days interdisciplinary International Conference	2019	2348-7143	R.L.College,Parola	Prashant Publication, Jalgaon			
Dr.Sambhaji Babarao Sawant	Annabhauchi Mazi Maina Gavavar rahili	One day Interdisciplinary National Conference	2019	978-81-922248-7-9	R.L.College,Parola	Narayanrao Chavan Law college Nanded, Maharashtra, Ajanta Prakashan			
Sambhaji B.Savan	Dalit Sahitya samiksha	One day National Conference	2019	2277-5730	R.L.College,Parola	Elsevier Ltd			
Dr.D.R.Patil	Synthesis, characterization and gas sensing study of SnO ₂ thick film sensor towards H ₂ S, NH ₃ , LPG and CO ₂ Materials	Materials and Environmental Science, ICMES 23-2020	2020	2214-7853-@ Elsevier Ltd	R.L.College,Parola	Elsevier Ltd			
Dr. Dilip Harsingh Rathod	Mahasattache Rajkaran aani Bhartache Parrashtr dhoran	International e- Conference	2022	2319-9318	R.L.College,Parola	Harshwardhan Publication, Limbaganesh, Dist. Beed			



IQAC
Coordinator, IQAC
Raj Laxmi Mahavidyalaya
Parola, Dist. Jalgaon

Principal
PRINCIPAL
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Parola, Dist. Jalgaon



Solapur District Education Mandal (Tehsil Sancharit)
RANI LAXMIBAI MAHAVIDYALAYA
PAROLA, DIST - JALGAON, 425111




ESTD 1981

3.3.2 Number of books and chapters in edited volumes books published and papers published in National/ International conference proceedings per teacher during last five years. 2017-18 to 2021-22

Name of the teacher	Title of the book/ chapters published	National / International	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
Dr.D.R.Patil	Dynamics and Elastic	University	Jun-18	978-93-85027-86-4	R.L.college,Parola	Vrinda Publication
Dr.D.R.Patil	Basic Mechanics	University	Jun-18	978-93-85027-85-7	R.L.college,Parola	Vrinda Publication
Dr.K.D.Ahirrao	Physiology	University	Jun-19	978-81-939897-1-5	R.L.college,Parola	Academic Book Publication
Dr.D.R.Patil	Thermodynamics and kinetic theory of Gases	University	Jul-19	978-93-88769-28-7	R.L.college,Parola	Prashant Publication
Dr.K.D.Ahirrao	Medical Dygnostics	University	Nov-19	978-93-89493-07-8	R.L.college,Parola	Academic Book Publication
Dr.D.R.Patil	Optics and lesers	University	Dec. 2019	978-93-89492-65-1	R.L.college,Parola	Prashant Publication
Dr.D.N. Survanshi	Optics and lesers	University	Jan. 2020	978-93-89492-65-1	R.L.college,Parola	Prashant Publication
Dr.Sanjay Chavan	Analytical Techniques	University	Jun-20	978-93-88834-78-0	Ranilaxmibai college,Parola	Vrinda,Jalgaon
Dr.Borse G.P	Principles of Physical chemistry	University	Jun-20	978-93-88834-78-0	Ranilaxmibai college,Parola	Vrinda,Jalgaon



Dr. G.P. Horse	Principles of Physical chemistry	University	May-21	978-93-88834-81-0	Ranilaxmibai college, Parola	Vrinda, Jalgaon
Dr.D.R. Patil	Material Science	University	May-21	978-93-90862-88-7	Ranilaxmibai college, Parola	Prashant Pub.


Coordinator, IQAC
 Rani Laxmibai Mahavidyalaya
 Parola, Dist. Jalgaon




Principal
 Rani Laxmibai Mahavidyalaya
 Parola, Dist. Jalgaon

Established: June 1992

Sahajvan Shikshan Prasarak Mandal (Tehu) Sanchalit



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Web : www.ricollegeparola.org

Email : principalrtparola@gmail.com

Outward No.

Date : / /20

Criterion 3 Research, Innovations & Extension

Physics Research Project

Department of Physics

Innovative Instruments

Bulk and Nanomaterials Research lab has been established at the Department at Physics of our College. The laboratory needs the ultrasonicator of high frequency for the synthesis of nanomaterial at a very low cost. Also the lab needs the instrument to synthesis carbon nanotubes at a very low cost. But the available models are very costly, which are not affordable to our institution. So, in collaboration with other universities, we have built the systems, which can fulfill our aim. The following table shows the specifications of the built and available models.

Sr. No	Name of Instrument	Available Model	Built Model
1	Ultrasonicator	Price = Rs, 1,06,000 Frequency = 24 KHz Power = 680w Size = Spacious	Rs.10,000 40KHz 800w portable
2	Carbon Nonotube Assembly	Price = Rs. 10 lacs Size = Spacious	Rs. 50,000 Portable

- 1) Ultrasonicator has been built by Dr. D. R. Patil in collaboration with Prof. Dr. Shahera. S. Patel (Dept. of Electronics, S.P. University, Anand, Gujarat)




2) Carbon Nanotube Assembly has been built Dr. D.R. Patil in collaboration with Prof. Dr. Y. K. Vijay Hon'ble Ex. V. C, Vivekananda Global University, Jaipur Rajasthan)

Both The above instruments have fulfilled our purpose, at a very low cost.


Dr. D.N. Srinivasarao




Dr. D.R. Patil
DEPT. OF PHYSICS


Innovation Hub

Dept. of Physics has established innovation hub during the academic year 2017-2018 by the help of Prof. Dr. Y. K. Vijay, Hon'ble Ex V. C, Vivekanand Global University Jaipur Rajasthan. Ten models of Physics has been built at a very low cost in collaboration, which were utilized to demonstrate the physics events.


The names of models are

1. Simple pendulum
2. Lisagus figure instrument.
3. Barton's pendulum
4. Kundt's tube
5. Pendulums to create transverse waves
6. Momentum Transfer
7. Vibrating atomic module
8. Clock using simple Pendulum
9. Solar Radiation
10. Rotating Top

Also, 12 posters of Indian Scientists also prepared for the demonstration to students.


Dr. D.N. Suryawanshi
(HOD of Physics.)




Dr. D.R. Patil
Ph.D. Guide
Dept. of Physics



Established : June 1992

Sahajivan Shikshan Prasarak Mandal (Tehu) Sanchalit



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DEPT. OF PHYSICS

ACTIVITY: PROJECTS ON NANOTECHNOLOGY

Academic Year: 2022 – 2023

Sr. No.	Name of the Student	Class	Title of the Project	Status of the Project
1	Ms. Beldar Shakirabi Khan	T. Y. B. Sc.	Studies on CdO based resistor	Completed
2	Mr. Patil Uday Dayanand	T. Y. B. Sc.	Studies on SnO ₂ based resistor	Completed
3	Mr. Dabhade Roshan M.	T. Y. B. Sc.	Studies on Al ₂ O ₃ based resistor	Completed




Dr. D. R. Patil
Project Guide

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30/06/2023

CERTIFICATE OF APPRECIATION

This is to certify that, Mr. / Ms. **Beldar Shakirabi Khan** in T. Y. B. Sc Physics has completed his / her project entitled "**Studies on CdO based resistor**" during the academic year **2022-2023**. He / She paid the devotion for the successful completion of the project at our Bulk and Nanomaterials Research Laboratory, Department of Physics, R. L. College Parola under the guidance of Dr. D. R. Patil.




Dr. D. R. Patil
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30/06/2023

CERTIFICATE OF APPRECIATION

This is to certify that, Mr. / Ms. **Patil Uday Dayanand** in T. Y. B. Sc Physics has completed his / her project entitled "**Studies on SnO₂ based resistor**" during the academic year **2022-2023**. He / She paid the devotion for the successful completion of the project at our Bulk and Nanomaterials Research Laboratory, Department of Physics, R. L. College Parola under the guidance of Dr. D. R. Patil.




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30/06/2023

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This is to certify that, Mr. / Ms. **Dabhade Roshan Meghraj** in T. Y. B. Sc Physics has completed his / her project entitled "**Studies on Al_2O_3 based resistor**" during the academic year **2022-2023**. He / She paid the devotion for the successful completion of the project at our Bulk and Nanomaterials Research Laboratory, Department of Physics, R. L. College Parola under the guidance of Dr. D. R. Patil.




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DEPT. OF PHYSICS

ACTIVITY: PROJECTS ON NANOTECHNOLOGY

Academic Year: 2021 – 2022 (Feb. 2022)

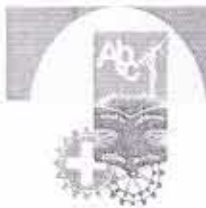
Sr. No.	Name of the Student	Class	Title of the Project	Status of the Project
1	Ms. Patil Minal Dhanaraj	T. Y. B. Sc.	Studies on MgO based resistor	Completed
2	Ms. Chaudhari Mayawati Bharat	T. Y. B. Sc.	Studies on ZrO ₂ based resistor	Completed
3	Ms. Nerkar Mayuri Ashok	T. Y. B. Sc.	Studies on MgO based resistor	Completed
4	Ms. Patil Mayuri Kailas	T. Y. B. Sc.	Studies on SnO ₂ based resistor	Completed
5	Ms. Patil Nikita Dnyaneshwar	T. Y. B. Sc.	Studies on SnO ₂ based resistor	Completed
6	Mr. Patil Chandrakant Gulab	T. Y. B. Sc.	Studies on ZrO ₂ based resistor	Completed




Dr. D. R. Patil
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UAC Accredited 'B' Grade

30/04/2022

CERTIFICATE OF APPRECIATION

This is to certify that, Mr. / Ms. **Patil Minal Dhanaraj** in T. Y. B. Sc Physics has completed his / her project entitled "**Studies on MgO based resistor**" during the academic year **2021-2022**. He / She paid the devotion for the successful completion of the project at our Bulk and Nanomaterials Research Laboratory, Department of Physics, R. L. College Parola under the guidance of Dr. D. R. Patil.




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NAAC Accredited: B Grade

30/04/2022

CERTIFICATE OF APPRECIATION

This is to certify that, Mr. / Ms. **Chaudhari Mayawati Bharat** in T. Y. B. Sc Physics has completed his / her project entitled "**Studies on ZrO₂ based resistor**" during the academic year **2021-2022**. He / She paid the devotion for the successful completion of the project at our Bulk and Nanomaterials Research Laboratory, Department of Physics, R. L. College Parola under the guidance of Dr. D. R. Patil.




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NWAC Accredited 'B' Grade

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CERTIFICATE OF APPRECIATION

This is to certify that, Mr. / Ms. **Nerkar Mayuri Ashok** in T. Y. B. Sc Physics has completed his / her project entitled "**Studies on MgO based resistor**" during the academic year **2021-2022**. He / She paid the devotion for the successful completion of the project at our Bulk and Nanomaterials Research Laboratory, Department of Physics, R. L. College Parola under the guidance of Dr. D. R. Patil.




Dr. D. R. Patil
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NAAC Accredited 'B' Grade

30/04/2022

CERTIFICATE OF APPRECIATION

This is to certify that, Mr. / Ms. **Patil Mayuri Kailas** in T. Y. B. Sc Physics has completed his / her project entitled “**Studies on SnO₂ based resistor**” during the academic year **2021-2022**. He / She paid the devotion for the successful completion of the project at our Bulk and Nanomaterials Research Laboratory, Department of Physics, R. L. College Parola under the guidance of Dr. D. R. Patil.




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30/04/2022

CERTIFICATE OF APPRECIATION

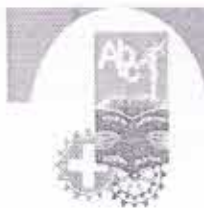
This is to certify that, Mr. / Ms. **Patil Nikita Dnyaneshwar** in T. Y. B. Sc Physics has completed his / her project entitled "**Studies on SnO₂ based resistor**" during the academic year **2021-2022**. He / She paid the devotion for the successful completion of the project at our Bulk and Nanomaterials Research Laboratory, Department of Physics, R. L. College Parola under the guidance of Dr. D. R. Patil.




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30/04/2022

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This is to certify that, Mr. / Ms. **Patil Chandrakant Gulab** in T. Y. B. Sc Physics has completed his / her project entitled "**Studies on ZrO₂ based resistor**" during the academic year **2021-2022**. He / She paid the devotion for the successful completion of the project at our Bulk and Nanomaterials Research Laboratory, Department of Physics, R. L. College Parola under the guidance of Dr. D. R. Patil.




Dr. D. R. Patil
Project Guide



DEPT. OF PHYSICS

ACTIVITY: PROJECTS ON NANOTECHNOLOGY

Academic Year: 2020 – 2021

Sr. No.	Name of the Student	Class	Title of the Project	Status of the Project
1	Mr. Patil Tushar Vijaysingh	T. Y. B. Sc.	Studies on nanostructured MoO ₃ based gas sensors	Completed
2	Mr. Bediskar Swapnil Sunil	T. Y. B. Sc.	Studies on nanostructured MoO ₃ based gas sensors	Completed
3	Ms. Thakare Nikita Ishwar	T. Y. B. Sc.	Studies on nanostructured Bi ₂ O ₃ based gas sensors	Completed
4	Ms. Patil Mayuri Ishwar	T. Y. B. Sc.	Studies on nanostructured Bi ₂ O ₃ based gas sensors	Completed
5	Ms. Patil Komal Manoj	T. Y. B. Sc.	Studies on nanostructured ZrO ₂ based gas sensors	Completed
6	Ms. Wani Achal Ramesh	T. Y. B. Sc.	Studies on nanostructured ZrO ₂ based gas sensors	Completed
7	Ms. Patil Gunjan Anil	T. Y. B. Sc.	Studies on nanostructured MgO based gas sensors	Completed
8	Ms. Patil Jayashri Pandurang	T. Y. B. Sc.	Studies on nanostructured MgO based gas sensors	Completed
9	Mr. Vasande Hansraj Dipak	T. Y. B. Sc.	Studies on nanostructured La ₂ O ₃ based gas sensors	Completed




 Dr. D. R. Patil
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This is to certify that, Mr. / Ms. **Patil Tushar Vijaysingh** in T. Y. B. Sc Physics has completed his / her project entitled "**Studies on nanostructured MoO₃ based gas sensors**" during the academic year **2020-2021**. He / She paid the devotion for the successful completion of the project at our Bulk and Nanomaterials Research Laboratory, Department of Physics, R. L. College Parola under the guidance of Dr. D. R. Patil.




Dr. D. R. Patil
Project Guide

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30/04/2021

CERTIFICATE OF APPRECIATION

This is to certify that, Mr. / Ms. **Bediskar Swapnil Sunil** in T. Y. B. Sc Physics has completed his / her project entitled “**Studies on nanostructured MoO₃ based gas sensors**” during the academic year **2020-2021**. He / She paid the devotion for the successful completion of the project at our Bulk and Nanomaterials Research Laboratory, Department of Physics, R. L. College Parola under the guidance of Dr. D. R. Patil.




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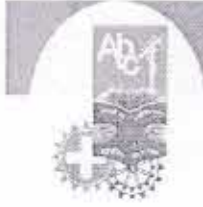
This is to certify that, Mr. / Ms. **Thakare Nikita Ishwar** in T. Y. B. Sc Physics has completed his / her project entitled "**Studies on nanostructured Bi₂O₃ based gas sensors**" during the academic year **2020-2021**. He / She paid the devotion for the successful completion of the project at our Bulk and Nanomaterials Research Laboratory, Department of Physics, R. L. College Parola under the guidance of Dr. D. R. Patil.




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CERTIFICATE OF APPRECIATION

This is to certify that, Mr. / Ms. **Patil Mayuri Ishwar** in T. Y. B. Sc Physics has completed his / her project entitled "**Studies on nanostructured Bi_2O_3 based gas sensors**" during the academic year **2020-2021**. He / She paid the devotion for the successful completion of the project at our Bulk and Nanomaterials Research Laboratory, Department of Physics, R. L. College Parola under the guidance of Dr. D. R. Patil.




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Email: principalrlcparola@gmail.com

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30/04/2021

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This is to certify that, Mr. / Ms. **Patil Komal Manoj** in T. Y. B. Sc Physics has completed his / her project entitled "**Studies on nanostructured ZrO₂ based gas sensors**" during the academic year **2020-2021**. He / She paid the devotion for the successful completion of the project at our Bulk and Nanomaterials Research Laboratory, Department of Physics, R. L. College Parola under the guidance of Dr. D. R. Patil.




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CERTIFICATE OF APPRECIATION

This is to certify that, Mr. / Ms. **Wani Achal Ramesh** in T. Y. B. Sc Physics has completed his / her project entitled "**Studies on nanostructured ZrO_2 based gas sensors**" during the academic year **2020-2021**. He / She paid the devotion for the successful completion of the project at our Bulk and Nanomaterials Research Laboratory, Department of Physics, R. L. College Parola under the guidance of Dr. D. R. Patil.




Dr. D. R. Patil
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NAAC Accredited B Grade

30/04/2021

CERTIFICATE OF APPRECIATION

This is to certify that, Mr. / Ms. **Patil Gunjan Anil** in T. Y. B. Sc Physics has completed his / her project entitled "**Studies on nanostructured MgO based gas sensors**" during the academic year **2020-2021**. He / She paid the devotion for the successful completion of the project at our Bulk and Nanomaterials Research Laboratory, Department of Physics, R. L. College Parola under the guidance of Dr. D. R. Patil.




Dr. D. R. Patil

Project Guide

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Sahajvan Shikshan Prasarak Mandal (Jethu) Satichaiti



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30/01/2021

CERTIFICATE OF APPRECIATION

This is to certify that, Mr. / Ms. **Patil Jayashri Pandurang** in T. Y. B. Sc Physics has completed his / her project entitled "**Studies on nanostructured MgO based gas sensors**" during the academic year **2020-2021**. He / She paid the devotion for the successful completion of the project at our Bulk and Nanomaterials Research Laboratory, Department of Physics, R. L. College Parola under the guidance of Dr. D. R. Patil.




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30/04/2021

CERTIFICATE OF APPRECIATION

This is to certify that, Mr. / Ms. **Vasande Hansraj Dipak** in T. Y. B. Sc Physics has completed his / her project entitled “**Studies on nanostructured La₂O₃ based gas sensors**” during the academic year **2020-2021**. He / She paid the devotion for the successful completion of the project at our Bulk and Nanomaterials Research Laboratory, Department of Physics, R. L. College Parola under the guidance of Dr. D. R. Patil.




Dr. D. R. Patil

Project Guide



DEPT. OF PHYSICS

ACTIVITY: PROJECTS ON NANOTECHNOLOGY

Academic Year: 2019 – 2020

Sr. No.	Name of the Student	Class	Title of the Project	Status of the Project
1	Ms. Sali Vishakha Prabhakar	T. Y. B. Sc.	Synthesis of nanostructured BaO and its study as a resistor	Completed
2	Ms. Patil Archana Himmatrao	T. Y. B. Sc.	Synthesis of nanostructured ZrO ₂ and its study as a resistor	Completed
3	Ms. Patil Rohini Raosaheb	T. Y. B. Sc.	Synthesis of nanostructured Bi ₂ O ₃ and its study as a resistor	Completed
4	Ms. Patil Bhavana Hemraj	T. Y. B. Sc.	Synthesis of nanostructured Al ₂ O ₃ and its study as a resistor	Completed
5	Ms. Patil Varsha Dhanaraj	T. Y. B. Sc.	Synthesis of nanostructured ZnO and its study as a resistor	Completed
6	Mr. Patil Rohit Arjun	T. Y. B. Sc.	Synthesis of nanostructured SrO ₂ and its study as a resistor	Completed




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CERTIFICATE OF APPRECIATION

This is to certify that, Mr. / Ms. **Sali Vishakha Prabhakar** in T. Y. B. Sc Physics has completed his / her project entitled "**Synthesis of nanostructured BaO and its study as a resistor**" during the academic year **2019-2020**. He / She paid the devotion for the successful completion of the project at our Bulk and Nanomaterials Research Laboratory, Department of Physics, R. L. College Parola under the guidance of Dr. D. R. Patil.




Dr. D. R. Patil
Project Guide

Established June 1992

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This is to certify that, Mr. / Ms. **Patil Archana Himmatrao** in T. Y. B. Sc Physics has completed his / her project entitled "**Synthesis of nanostructured ZrO₂ and its study as a resistor**" during the academic year **2019-2020**. He / She paid the devotion for the successful completion of the project at our Bulk and Nanomaterials Research Laboratory, Department of Physics, R. L. College Parola under the guidance of Dr. D. R. Patil.




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This is to certify that, Mr. / Ms. **Patil Rohini Raosaheb** in T. Y. B. Sc Physics has completed his / her project entitled "**Synthesis of nanostructured Bi_2O_3 and its study as a resistor**" during the academic year **2019-2020**. He / She paid the devotion for the successful completion of the project at our Bulk and Nanomaterials Research Laboratory, Department of Physics, R. L. College Parola under the guidance of Dr. D. R. Patil.




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This is to certify that, Mr. / Ms. **Patil Bhavana Hemraj** in T. Y. B. Sc Physics has completed his / her project entitled "**Synthesis of nanostructured Al_2O_3 and its study as a resistor**" during the academic year **2019-2020**. He / She paid the devotion for the successful completion of the project at our Bulk and Nanomaterials Research Laboratory, Department of Physics, R. L. College Parola under the guidance of Dr. D. R. Patil.




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This is to certify that, Mr. / Ms. **Patil Varsha Dhanaraj** in T. Y. B. Sc Physics has completed his / her project entitled "**Synthesis of nanostructured ZnO and its study as a resistor**" during the academic year **2019-2020**. He / She paid the devotion for the successful completion of the project at our Bulk and Nanomaterials Research Laboratory, Department of Physics, R. L. College Parola under the guidance of Dr. D. R. Patil.




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This is to certify that, Mr. / Ms. **Patil Rohit Arjun** in T. Y. B. Sc Physics has completed his / her project entitled "**Synthesis of nanostructured SrO₂ and its study as a resistor**" during the academic year **2019-2020**. He / She paid the devotion for the successful completion of the project at our Bulk and Nanomaterials Research Laboratory, Department of Physics, R. L. College Parola under the guidance of Dr. D. R. Patil.




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3.2.1 Institutions has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR Cell, Incubation Center and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident

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