### Swami Ramanand Teerth

Marathwada University Nanded - 431 606 (Maharashtra)



व्यास्त्राहरू स्वामी रामानंद तीर्थ स्वामी रामानंद तीर्थ मराठवाडा निद्यापीठ

नदिड — ४३१६०६ (महाराष्ट्र

( ) UGC 20), 12(H) recognized & N ), (C Re-accredited (CGP) 2.11) State University)

Ref./PG/Guide\_Recog./2013-2014/ 3362 \

Date: 02 /07/ 2013

Research Supervisor Approval Letter

for DECHANDOLE SANTOSH SHIVRAJ ANAL PROJ AV BOLOGI (ANIL 29 RNA) JE ( DIST PARBETAN)

Subject: Recognition as a 'Research Supervisor'

Dear Sir Madam.

Science at S.R. I.M. University as your proposal for Guideship, recommended by RRC, and is approved by B.U.T.R. I am pleased to grant you Recognition as a Research Supervisor in Chemistry Your duties will commence on July 2013, and will terminate automatically if you do not supervise or guide any student for the duration mentioned in ordinance and do not follow the section VIII of Ph.D. Ordinance. The University Rules for Ph.D. guidance. Ph.D. Course Work and Thesis submission are included in the Ph.D. Ordinances Handbook. You will be provided a copy of the Ordinance prior to your official start date on payment of required fees.

It shall be your responsibility (i) to see to it that the 'Quota of Ph.D. students and Al Phil. Students' working under you does not exceed the permissible limit at any given point of time. (ii) To complete 12 credits for Ph.D. Course Work of the students working under you. (iii) To forward the 'Progress Report' with clear remarks whether the progress is satisfactory or not or even delay in submission of 'Progress Report' (IV) to communicate the 'Willingness to guide no. of candidates' to the university every year.

We look forward to your developing a program of research, in the area of <a href="Chemistry">Chemistry</a> The University regards excellence in research, and contributions to your subject in terms of 'Research Publications' of highest standard. Therefore, we expect excellence of publications, funded research, Ph.D. student guidance, and participation at regional and national seminars/workshops/symposia from you and research students working under your guidance.

(Board of Cottege 1 niversity Development)

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2. The Principal.

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Shri Guru Ruddhiswami Habavidyalaya
Owena (In.) Dist.Parbhani

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Shri Guru Buddhiswami Maharidyalaya Puma (Jn) Dist. Parbhani - 431511 (M.S.)



### म्बाभी रामानंद तीर्थ मराठवाडा विवाबीठ, नांदेड

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Website: www.srimum.ac.in L-mail: dr pg.srtmum@gnail.com

26) 18. Trail Kerry 2010-201 3307-3365

Date:26-02-2020

Research Supervisor Approval Letter

DR. SHETE SHESHRAO BASWANTRAO

Asst. Proc Shri Gvaubudhi Swani Mahavidyalaya, Purna Parbhaga

Subject: Recognition as a 'Resentch Supervisor'.

Dear Suy Madam.

has my pleasure to welcome you to the Group of Research Goldes! in the faculty of Science and Technology at S. R. T. M. University as your proposal for Guideship recommended by RRC and is approved by B.C.D.| Board of Dean's). I am please to great you Recognition as Research Supervisor in Physics Your duties will commence from 20-01-2020 will terminate automatically if you do not supervise or guide any student for the duration mentioned in ordinance and do not follow the section VIII of Ph.D. Ordinance: The University Rules for Ph.D. guidance. Ph.D.Course Work and Thesis submission are included in the Ph.D. Ordinances.

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We look inward to your developing a program of research, in the area of 'Physics' 'This University regards excellence in research, and contributions to your subject in terms of 'Research Publications' and highest standard. Exercise we expect excellence of publications, funded research Ph.D. student guidance, and participation at regional and national seminars/ workshops/ symposis from you and research students working under your guidance.

LDy.Registrat (M.G.Section)

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Faculty of Science and Technology This University

C/o S.R.T.M. U.Bouded

Dist Named

2. The Director / HOD / Principal

Shin Gurubtaha Swann Mahavidyahaya, Purna, Purbhani

J. The Head of Research Centre

Ketaji Subhashsi baraka Bose Codege, Vazirabed, Namied

Co-ordinator IOAC Shri Guru Buddhiswardi Mahavidyalaya Purha (Jn) Dist. Partihani - 431511 (M.S.)



PRINCIPAL
Shri Guru Buddhiswami Mahavidyalaya
Purna (Jn.) Dist.Parbhani



Of Arts, Commerce & Science, Nanded. Abhinay Bharat Shikshan Sanstha's, Netaji Subhashchandra Bose College

Unline One Month Countrywide National Science Student Development Programme (Maharashtra,INDIA)

Organized By,

Department Of Physics, Computer Science & Other Science Faculties

This is to Certify that Mr./Miss./Dr./Prof. S. M. Dalvi

of SGB Mahavidyalaya, Purna has participated as a Resource Person in the

Online One Month Countrywide National Science Student Development Programme" Organized by Department Of Physics Computer Science & Other Science Faculties,

Netaji Subhashchandra Bose College Nanded. During 27th July To 26th August 2020.

He delivered a talk on Plant Classification on 16th August 2020.



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# SHRI GURU BUDDHISWAMI SHIKSHAN PRASARAK SANSTHA'S SHRI GURU BUDDHISWAMI MAHAVIDYALAYA, PURNA (Jn.)

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(Permanently affiliated to Swami Ramanand Teeth Marathwada University, Nanded)
Re-accredited by NAAC at 'B' Grade with '2.42' CGPA; ISO 9001:2015 Certified Institute

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SCIBMN) JORACI 2020-	21/15	
X.C.:	30	Date 23.11.202(

To.

i) Dr. J. S. Masure, (External Expert)

Associate Professor & Head, Dept. of English, NSB Mahavidyalaya, Nanded.

Dr. Prakash Bhange
 Assistant Professor, Dept. of English,
 S.G.B. Mahavidyalaya, Purna (Jn.)

(Internal Expert)

Dear Sir/s.

It gives us immense pleasure to inform you that the College Management hadecided to introduce a Certificate Course in Soft Skills for UG students across the streams. You are hereby informed to draft the syllabus within a week and submit the syllabus within a week and submit the to the IQAC.





International Journal of Scientific Research in Computer Science, Engineering and Information Technology ISSN: 2456-3307 (www.ijsrcseit.com)

doi: https://doi.org/10.32628/CSEIT206667

# Data security and integrity in cloud computing: Threats and Solutions

Rajesh Keshavrso Sadavarte<sup>1</sup>, Dr. G. D. Kurundkar<sup>2</sup>

Assistant Professor and Head, Netaji Subhashchandra Bose College, Nanded, Maharashtra, India <sup>2</sup>Assistant Professor, Computer Science Department, Shri, Guru Buddhiswami Mahavidyalaya, Purna District Parbhani, Maharashtra, India

Author Correspondence: sadavarte2003@yahoo.com, gajanan.kurankar@gmail.com

#### ABSTRACT

Article Info Volume 6, Issue 6 Page Number: 356-363 Publication Issue: November-December-2020 Cloud computing changed the world of Internet. With the help of cloud computing user can easily share, store and retrieve their data from anywhere. Cloud computing is scalable, fast, flexible, and cost-effective technology platform for IT enabled services over the internet. Cloud computing provides hardware, software and infrastructural storage to many users at a time Most of the times cloud users don't know the exact location of their data or the sources of data stored with their data. In spite of various benefits that are provided by the cloud computing services, its users are very much afraid about the security of their data once it is over the cloud under the control of third-party vendors. Therefore, many data security and integrity concerns like access control, searchable encryption techniques, key management, ownership proxifs and remote integrity check arise.

This paper discusses the security and integrity of data in cloud computing. It is a study of aspects related to data security. The paper will go in to details of few data protection methods and approaches used throughout the world to ensure maximum data protection by reducing tisks and threats. Going ahead the paper also discuss different techniques used for secured data storage on cloud.

Keywords: Cloud Computing, Cloud security, Security techniques, Security

threats, Data security

### Article History

Accepted: 15 Dec 2020 Published: 30 Dec 2020

#### I. INTRODUCTION

Cloud computing is an emerging technology in the field of networking. It is gaining popularity in all areas. The National Institute of Standards and Technology (NIST)[1] defines cloud computing as a model for enabling ubiquitous, convenient, ondemand network access to a shared pool of configurable computing and oces. In simple worlds

> Co-ordinator IOAC

cloud computing is a computing model in which resources are provided to the users based on their demand. In cloud computing resources are provided by the cloud service provider known as CSP.

Cloud computing is the combination of many preexisting technologies that have matured at different rates and in different contexts. The goal of cloudwww.morpheting is to allow users to take benefit from all

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।। ता विया या विश्वकारे ।।

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"कामतीर्थ" चीत्रा, विश्वपूर्ण, वरिष : ८३१६०६ (वसायन्ट)

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"Dayunqueeth", Vishaupurt, Nanded - 22006 Maharashtra State (INDLA) (Maharas on 17th September 1994 - Recognized by the UCC Un 2/2 and 1700, NACC by according with 20 Grade

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Website: www.srtmun.ac.ii

E-mail: dr.pg.artmun@gmail.cou

BEFG/Teach:Recog/2020-21/7/50

Date:06-01-2021

Research Supervisor Approval Letter

Kapure Gangadhar Pundlikrao Frof. SGB. Mahavidyalaya, Purna Punkaoi 431511

Subject: Recognition as a 'Research Supervisor'.

It is my pleasure to welcome you to the Group of 'Research Guides' in the faculty of "Science and Technology" at S. R. T. M. University as your proposal for Guideship at S. R. T. M. University as your proposal for Guideship at S. R. T. M. University as your proposal for Guideship at S. R. T. M. University as your proposal for Guideship at Guideship at Guideship as Research Supervisor in "Physics" Your duties at the search Supervisor in "Physics" Your duties at the search Supervisor in a "Physics" Your duties at the search Supervisor in a "Physics" Your duties at the search Supervisor in a "Physics" Your duties at the search Supervisor in a "Physics" Your duties at the search Supervisor in at S. R. T. M. University as your proposal for Guideship Your duties at the search Supervisor in "Physics" Your duties at the search Supervisor in at S. R. T. M. University as your proposal for Guideship Your duties at the search Supervisor in "Physics" Your duties at the search Supervisor in the search Supervisor in "Physics" Your duties at the search Supervisor in The S

It shall be your responsibility [i] To see to it that the 'Quota of Ph.D. students and M.Ph. students 'working under you does not exceed the permissible limit at any given point of time. (ii) To complete 12 credits for Ph.D. Course Work of the students working under you. To forward the 'Progress Report' with clear remarks whether the progress is satisfactory or not or even delay in submission of 'Progress Report' (iv) To communicate the 'Willingness to gride no. of candidates 'to the University every year.

We look forward to your developing a program of research, in the area of "Physics"

This University regards excellence in research, and countrious to your subject in terms of 'Research Publications' and highest standard. Therefore, we expect excellence of publications, funded research, Ph.D. student guidance, and caughout respectational seminars, workshops, symposia from you and research students working under your guidance.

Dy. Registrat (P.O. Section)

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The Dean

Faculty of Science and Technology This University.

C/o S.R.T.M.U.Nanded

Dist.Nanded

The Director / HOD / Principal

Ship Gurar Braic his days a Herrar

3. The Head of Research Centro

Netaji Subhashschandra Bose College, Nass

Co-ordinator

PRINCIPAL iri Guru Buddhiswami Naharidyalaya, Puma (Jn.) Dist Parbhani

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IQAC Shri Gugu Buddhilaviarni Mahavidyahaya

2725

DR. MANISH R. DESHPANDE ASSISTANT PROFESSOR DEPT. OF PHYSICS NSB COLLEGE, NANDED DATE: 19/01/2021

DR. G. P. KAPURE ASSISTANT PROFESSOR HEAD DEPARTMENT OF PHYSICS G. B. S. COLLEGE PURNA.

Subject: Your Presence as Referce for the ppt. Presentation.

Esteemed Sir.

You are kindly requested to co-operate as a Referee for An Online Power Point Presentations" on 22 and 23/01/2021 at 2.00pm to 5.00pm. Hon. Principal Dr. Sudhir Shivanikar will be the inaugurator and chairperson of the inaugural function.

So you are immensely requested to please co-operate as a 'Referee' and oblige,

DR. MANISH R. DESHPANDE

TO HEAVY Netak Socheshchandra, Boss Art's, Commerce And Science. College, Nanded

Shri Guru Buddhlawami Mahavidyalaya Puros (Jn) Dist, Parchant - 431511 (M.S.)

Shri Guru Buddhiswami Nahavidyalav-Purna (Jn.) Dist.Parbhani



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Website: artmun.ac.in

Ext. No. 143,153

E-mail:dr.pg.srtmun@gmail.com

REF: PG/PH.D/2021-22/2-269

Date:25/08/2021

To, Dr. Ravindra Raosaheb Rakh, Department of Microbilogy, Shri Guru Buddhiswami College, Purna (Jn.)

> विषय :- संशोधन केंद्र बदला बाबत... सदर्भ :- आपला दि.१८/०८/२०२१ रोजीचा विनंती अर्ज

महोदय.

उपरोक्त विषयी आपणास कळविण्यात येते की, Research Supervisor Approval Letter नुसार आपणास Schoolof Life Science, SRTM University, Nanded हे संशोधन केंद्र देण्यात आलेले होते. आपल्या दिनांक: १८/०८/२०२१ रोजीच्या संशोधन केंद्र बदलून देण्याच्या विनंती अर्जानुसार दि.२४/०८/२०२१ रोजीच्या टिपणीस मा.प्र-कुलगुरू महोदयांनी मान्यता दिलेली आहे.

त्याअनुषंगाने आपणास नवीन संशोधन केंद Dept. of Microbiology, Netaji Subhashchandra Bose College, Nanded हे संशोधन केंद्र बदलून देण्यात येत आहे.

आपला

पदव्युत्तर विभाग

प्रत माहिती तथा कार्यवाहीस्तवः

१) मा.संचालक / संशोधन केंद्र प्रमुख, जैवतंत्रशास्त्र संकुल, स्वामी रामानंद तीर्थं मराठवाडा विद्यापीठ, नांदेड.

२) मा. प्राचार्य / संशोधन केंद्र प्रमुख, नेताजी सुभाषचंद्र बोस महाविद्यालय, नांदेड.

Co-ordinator

Said Soru Buck Shier / Mchayldyalaya Furnition East Forth Ed - 45544 (M.S.) Bri Colin Buddbigwanii Mibacigialiwa Distriction of the Pertinant



# Abbinay Bharat Shikshan Sanstha's NETAJI SUBHASHCHANDRA BOSE



## Art's, Commerce and Science College,

Tarasingh Market, Vazirabad, Nanded (Maharashtra)

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Shri B. B. Pande President

Dr. K. M. Joshi

Dr.S.V.Shivanikar

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Phone: (0): (02462) 242017 Website : www.nsben.org

(C): (02462) 244486

Mobile: 9422172341, 9422187683

Email: nsb\_college\_nanded = vahoo.com

Ref.: NSBCN / 2021 - 2022 / 421 - 2/

Date: 1/10/2021

प्रति. डॉ. आर.को बरहे प्राणिशास्त्र विभाग प्रमुख, जी, वी.एस, कॉलेज, पुर्णा, ता.जि. परभणी,

> विषय : चडयाळी तासिका तत्वावरील सहाव्यक प्राध्यापक, अनुदानित (पदवी विमाग) पदाकरिता मुलाखतीसाठी विषयतज्ञ म्हणून उपस्थित राहाणे वावत.

महोदय.

आमच्या महाविद्यालयात पदवी विभागात (अनुदानित) प्राणिशास्त्र या विषयासाठी चडवाळी तासिका तत्वावरील सहाय्यक प्राध्यापकांच्या नेमणुका करणेसाठी सोमवार दिनांक 04/10/2021 रोजी सकाळी 11.00 वाजता उमेदवारांच्या मुलाखती आयोजित करण्यात आलेल्या आहेत.

तरी उपरोक्त तारखेस आपण विषयतज्ञ म्हणून उपस्थित राहावे.

Shri Guru Bushinisani Mahindayalayi Purna (Jin) Dist. Parahani - 431511 (M.S.

Shri Guru Buddhiswami Hahavidyalaya Purna (Jn.) Dist.Parbhan

doi: https://doi.org/10.32628/CSEIT217538

# Survey and Performance Analysis of Machine Learning Based Security Threats Detection Approaches in Cloud Computing

Rajesh Keshavrao Sadavarte<sup>1</sup>, Dr. G. D. Kurundkar <sup>2</sup>

Assistant Professor and Head, Netaji Subhashchandra Bose College, Nanded, Maharashtra, India <sup>2</sup>Assistant Professor, Computer Science Department, Shri. GuruBuddhiswami Mahavidyalaya, Purna District Parbhani, Maharashtra, India

#### ABSTRACT

Article Info

Volume 7, Issue 6 Page Number: 49-58

Publication Issue:

November-December-2021

Article History

Accepted: 10 Nov 2021 Published: 22 Nov 2021 Cloud computing is gaining a lot of attention, however, security is a major obstacle to its widespread adoption. Users of cloud services are always afraid of data loss, security threats and availability problems. Recently, machine learningbased methods of threat detection are gaining popularity in the literature with the advent of machine learning techniques. Therefore, the study and analysis of threat detection and prevention strategies are a necessity for cloud protection. With the help of the detection of threats, we can determine and inform the normal and inappropriate activities of users. Therefore, there is a need to develop an effective threat detection system using machine learning techniques in the cloud computing environment. In this paper, we present the survey and comparative analysis of the effectiveness of machine learning-based methods for detecting the threat in a cloud computing environment. The performance assessment of these methods is performed using tests performed on the UNSW-NB15 dataset. In this work, we analyse machine learning models that include Support Vector Machine (SVM), Decision Tree (DT), Naive Bayes (NB), Random Forests (RF) and the K-Nearest neighbour (KNN). Additionally, we have used the most important performance indicators, namely, accuracy, precision, recall and F1 score to test the effectiveness of several methods.

Keywords: Cloud Computing, Machine Learning, Cloud Security

### 1. INTRODUCTION

Recently the use of cloud computing has become increasingly popular. The personalised data centres have become popular as an inexpensive infrastructure solution for business plans. Cloud computing offers a wide variety of resources in the form of Internet services. Cloud computing assists users/organizations

in reducing infrastructure costs by providing various online resources. Infrastructure as a service (IaaS), Platform as a service (PaaS) and Software as a service (SaaS) are still widely distributed and used by endusers. In this way, users do not need the knowledge, control and ownership of the cloud computing infrastructure and do not need to manage or control the infrastructure to deploy their applications.

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> Dr.K.Rajkumar M.A. Ph.D Principal

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संदर्भ : एस-95(24) / प.ता. / 2021-2022 / 32.2-

दिनांक :-1 7·12 21

प्रति, डॉ. महेंद्र कुलकर्णी, पाच्यापक तथा विभाग प्रमुख, प्राणीशास्त्र विभाग, एन.एस.बी. महाविद्यालय, नांदेड

विषय : घडयाळी तासिका तत्वावरील सहाय्यक प्राच्यापकांच्या नियुक्तीसाठी बाहय विषय तङ म्हणून उपस्थित राहणे बाबत....

महोदय.

वरील विषयी आपणास कळविण्यात थेते की, आमध्या महाविद्यालयात दि.20.12.2021 रोजी दुपारी 12.00 वाजता घड्याळी तासिका तत्यावर सहाय्यक प्राध्यापकांची पदे भरण्याकरीता मुलाखती आयोजित केसेल्या आहेत.

तरी आपण प्राणीशास्त्र या विषयाकरीता बाह्य विषयतज्ञ म्हणून मुलाखती घेण्याकरीता उपस्थित राहून सहकार्य करावे .

आपला विश्वासू

( डॉ. के. राजकुमार )

प्राचार्यः श्री गुरु बुध्दिस्वामी महाविद्यालय पूर्णा (जं.) जि.परभूजी

प्रत माहितीस्तव व योग्य त्या कार्यवाहीस्तय सादर :

मा. प्राचार्य, एन.एस.बी. महाविद्यालय, नांदेठ यांना देवून थिनंती करण्यात येते की, डॉ. महेंद्र कुलकर्णी, यांना बाहय विषयतज्ञ म्हणून उपस्थित राहण्याकरीता परवानगी द्यायी.

> अन्।— प्राचार्य

Co-ordinator

Shri Guru Buddhlavremi Mahevidyalaya Puma (Jh) Dist. Parbhani - 431511 (M.S.)

Selami Maria

Purps (John Olst, Perbhank

# स्वामी रामानंद तीर्थ मराठवाडा विद्यापीट, नांदेड

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# SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED

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Phone: (02462) 229574 Ext. No. 143,153

POST GRADUATION SECTION.

Websiter artmunatear.

L-mail: pgwsrtmanacin

Ref. : PET-2020/Alloc /2010-21/30 9

Sheet to the district

## Certificate of Allocation

This is to certify that meeting of Research Allocation (approximentary for PFT - 2020 in the Subject of Microbiology under the Faculty of Science & Lechnology is held on 15/02/2022

In the said acceling Mr. Potniwar Sandeep Vyankatran has been allocated to Supervisor, Dr. R. R. Rakh to complete his Ph.D. work.

Address of the supervisor

Address of the Research centre

Sim Guru BuddhiSwami Mahayadyalaya, Netraji Subhayachar Tu. Paria, Dist. Parbhani

Nanded

Faculty of Science & Technology and Chairman, RAC

Supervisor, will request to recommendate and supervisor the aforesed Percarch Set the

The man is therefore the information and necessary action

 Presents while with learness in contact for retirence of purpose, the company of a benchmark to F.C. Section of the university within two weeks, which will be placed before Research A theory and Committee that its committeement the Research scholar but to approximation with the state of the state of which will be expired on university exhade to the course of time. After Americal of crossed App. to 1000. restarctor has be soluted unit copy of exhibits in C.D. at respect them you S.T. T.M. Consumer

a the speciments were to like a speciment through from an appropriately a symmetric to induce the design for the र स्ट्रीयून मात्र व रे रहामान्त्र स्थानर पूर्वणाव हो र असे विकासी प्रस्तात हो है । असे उपनित्र की अली

t from the figure and it influen appear distribution a text taken and alternative regulation प्रयोगक काल काराधकांक क्षण काल की हैंडकीम उपनिवास राज्य संदर्धन कोलेक काल करते आवक्त सहस्त अर्थन क्षण, अर्थनी वेदकीत संशोधन शीर्थक मान्य झाल्यानेनर एक यथीत विदित जुलात स्थान मंत्रतेयन क्रिय सरस्य सरस्यका विकास यथे कानु होस में बार करते हैं के पूर्व के अने अने अने कार और असे आता है है के बार के अने का का कि में किये हैं का कहा पता अने भग तथी, बंबर अंगर अंगर की, संबोध में केन नविषयत संदूध केतीन जात, सहयों, व तिषय न करते सुरतान मुख्यिकों कर्तन तर उत्त Now that the same of the same significant artists of

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Co-ordinator IOAC Shri Guru Buddhiramami Mahanidyalaya Purns (30) Dist. Perbhant - 431511 (13.5)

PRINCIPAL Shri Guru Bindhiesrami Kabandyalaya



# स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदड

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### SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED 'Dryantoertis', Vishnupuri, Handed - 431 606 (Mahareshira State) INDIA

Established on 13th September, 1994, Recognized By the Cife ties 13th and 12th), NAAC Re-according with the

hone : (02462) 229574 M. No. 143,153

POST GRADUATION SECTION

Website: srtmun.ac.in

E-mail: pg@srtmunac.in

Ref : PET-2020/Alloc/2021-22/5003

Date 16/02/2022

### Certificate of Allocation

This is to certify that meeting of Research Allocation Committee for PET - 2020 in the Subject of Physics under the Faculty of Science & Technology is held on 16/02/2022

In the said meeting Mr. Devane Shivshankar Kondiba has been allocated to Supervisor, Dr. Sheshran Baswantrao Shete to complete his/her Ph.D. work.

Address of the supervisor	Address of the Research centre
Shri Gurabudhi Swaiii Mahayidyalaya,	Nemji Subhashchandra Bose College,
Pinna (2011) Lq. Purna, Dist. Parbhani	Nanded

Faculty of Science & Technology and Chairman, RAC

- energies a mentil gestage (16 and ammodute und supervise die aforestad Research Scholar
- Product I cette for information and necessary action
- is presented self-time with instructions to contact the supervisor for preparing the symopsis is to be submitted to Pro-Section of the university within two weeks, which will be placed before Research & Recognition constitute for its consideration. The Research scholar has to appear before the RRU at the time of its meeting. all just will be not field on any easily website in due course of time. After Approval of research togate by RRC 🗫 (a sold) has to suggest soft copy of senopsis in CD at central library of S R T M. University

र पंड रहे कर एक रहा के प्रिक्त पोण्ड बेटबीन विषय व १० व १००० में समय भग भग नामी से क्षेत्रकों कियाची दिल्यानुक ा है जो बाहर के जाम जाना पड़ी ने दान पर्व विकासी त्रणान यह नर्पत, असे ठानले आहे

इ. १८८ - १९. १ २७१९ स्था मा. ऑपश्चान महस्राच्या बैडारीत बियम क्र.१९.९२ २०१९ आए आग्राम हो। क्रालेल्या साम्धेनला एक इपोन्या ज्ञान मञ्जाधकाने आर आर मी. बेडकीस उपांच्यत सहुत सशोधन शीर्षक मान्य करणे अनिवार्य राहील तमेच आर,आर.सी. वेटकील मंशाधन श्रीर्पक मान्य झाल्यानंतर एक वर्षांत विहित शुन्क भरून संशोधन केंद्र तसेच पदस्युत्तर विभाग येथे रूत होणे नवार बारक आहे. आर ए सी जतर वर्षभएन दान आर आर सी झाल्या भागीत हर दीन आर आए सी होदेशरीत पुटन पाडा परानी जाइन्ह र 🕒 । अर्थ संरक्षा कर्ता केरल क्रोन्सन राज्य दावी । आर्थ कर मी. वे विश्वचल कर्ता सुधानक सुधानिती असी। वर असा ा । १९ म १९ १ एक वर्षाच्या आत विषय प्रान्यता एउच त्याच वर्षा सङ्ग<u>ातात । इत्या सच्च ता</u>चा अस्मित तात्र ३ म अस्टिस ता C 444 (1985) (472)

प इ.स. १५४ कानामा महावर्ग अमल या मालाकोज 📢

कर करते हुन प्राप्त का विकास विभाग सम्मान सम्मान कि है (मिनामा अन्य ने हुन है) है कि ethodoshir butu Butulli Halli Malla Milli Milli Malla Milli Milli Malla Milli Mill Research and publishing where they or dist formated with the solly

Street Level o-ordinator Shri Guru Buddhiswami Mahavidyalaya IOAC Port a (Je) Disc : -- brond - A31511 (18.5.)

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Prof. M. S. Kulfermi, Da. Se. Ft. (f).
Reserve Superiori.
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HECTAR SURHAMHCHARDRA SCHE.
Arts, Commerced Science College,
Mended. (M. 6.)

Seference Service (SEQ 4-227 LK

Date: 1366 April, 2002

The

Dr. R. D. Barde,

Head Department of Zoologo.

G. II. S. College, Purple Dist. Parlman

findspect: Invitation for the expect talks on "The Scope of Zoology in the Findson

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As per allows mitigate you are invited to give expert topic on "The Surger of Souling

the Frature" or or college, on Saturday 16" April, 2022" at 11:30 a.m., Co. Commun.

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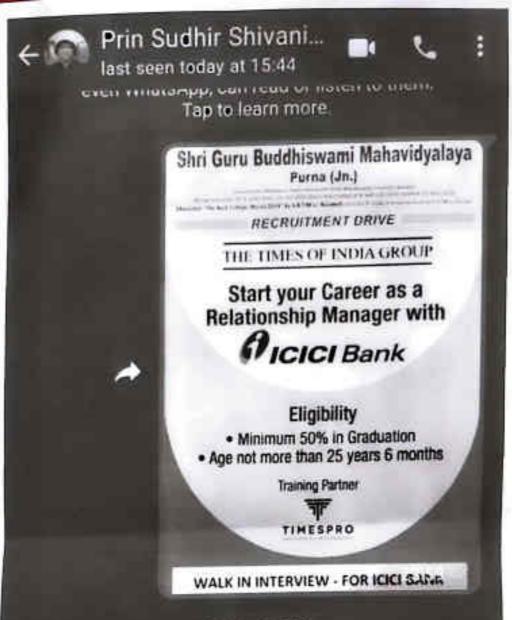
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16 May 2022

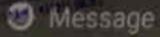
To The Principal (MOU Partner), N.S.B. College, Nanded

Dear Sir, आमच्या महाविद्यालगात Carent Guidance and Placement Celi आमी Global Out Sourcing and Training Services

RINCIPAL Idhiswami Hahavidyalaya Jn.) Dist.Parbhani





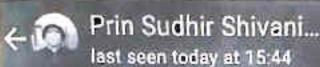












The Principal (MOU Partner), N.S.B. College, Nanded

Dear Sir,
आमच्या महाविद्यालयात Career Guidance
and Placement Cell आणी Global
Out Sourcing and Training Services
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Officer ) या पदासाठी Placement Camp
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विद्यार्थानी तसेच २०१०

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Go-ordinator IQAC

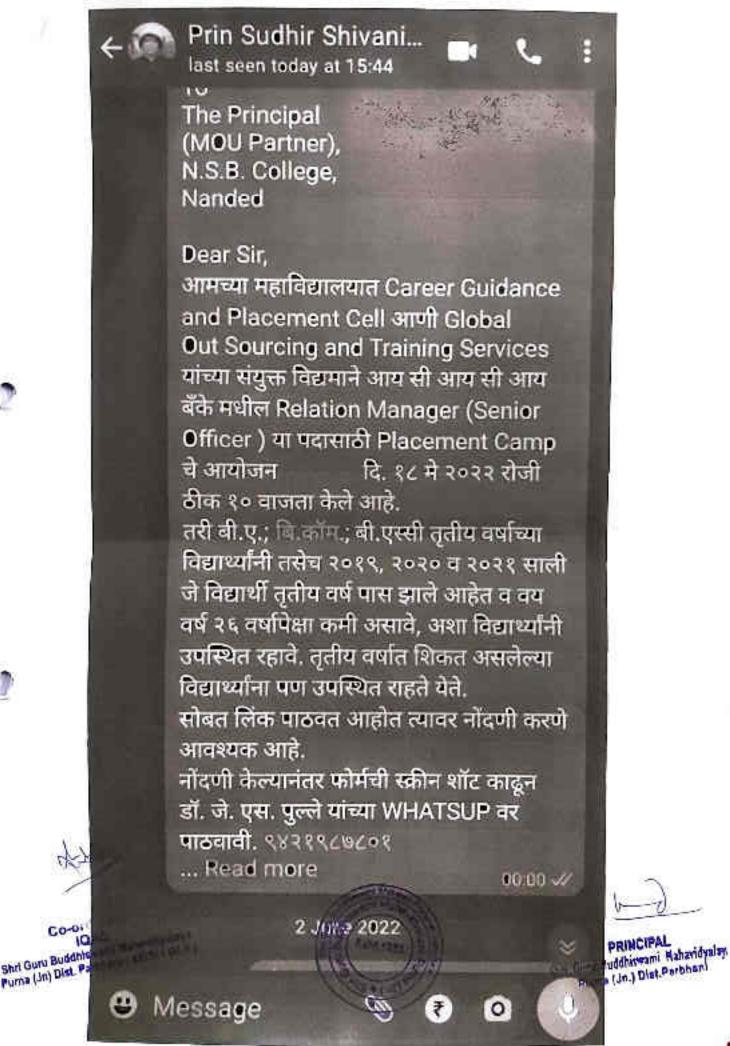
uru Boddhiswami Mahavidyalaya (Jn) Dist, Paruhani - 431511 (M.S.)

rector, Board of Examination and Evaluation S.R.T.M. University, haraberidyalaya, Puma (Jn.)
rincipal, N.S.B. College, Nanded, Dist. Nanded.

PRINCIPAL

Principal
Principal
Shri Guru Buddhlawi

Shri Guru Buddhuwami Haharidyalaya Purna (Jn.) Diet Partmani.





### SHRI GURU BUDDHISWAMI SHIKSHAN PRASARAK SANSTHA'S SHRI GURU BUDDHISWAMI MAHAVIDYALAYA, PURNA (Jn.)

Pin-431 511, Dist. Parbhani (M.S.) India.

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded) Re-accredited by NAAC at 'B' Grade with '2.42' CGPA; ISO 9001:2015 Certified Institute Awarded The Best College (Rural) 2019-2020 by S.R.T.M.U.Nanded

> Principal Dr. K. Rajkumar M.A. (English), Ph.D.

Planter (02052) 350333

Email-sghupumakiyahoo;com www.sghupuma.in

SRTMU/B.Sc. Prac. EXAMS/Summer2022/ Date: 10/05/2022

### B.Sc. Practical Examination Movement Order

To.

Ref.

01. Mrs.

Asha R. Meshram

External Examiner

N.S.B. College, Nanded,

Dist. Nanded.

02. Smt.

Dr. Kausadikar A.S.

S.G.B. College, Purna(Jn.),

Dist.Parbhami.

Internal Examiner

Subject: Practical Examination Summer-2022 in subject: Mathematics

Class: B.Sc. F.Y.

Paper No : V

Sir/ Madam.

As per S.R.T.M. University Instructions, I communicate herewith the details of your assignment at the practical examination in summer 2022.

Examination	Center	Date of Commencement	Last Date of Examination	Time
B. Sc. F.Y.	Shri Guru Buddhiswami Mahavidyalaya, Purna (Jn.)	18/05/2022	18/05/2022	9 am to 12 noon

#### Instructions

 Examiners are requested to prepare mark list, submit scaled mark list and answer book bundle towards the principal of concern center.

 If any near blood relative of the examiner is examined for concerned subject then this appointment will be treated as cancelled. Concerns are requested to communicate accordingly.

3) Examiners are requested to attend the practical examination center before one hour from the commencement of practical examination.

4) Examiners are requested to communicate their acceptance to the center and university immediately after

receipt of this order.

5) preparation day will be payable if examiners report the center one day before from the commencement of the practical examination for which only a D. A. will be payable.

this order while submitting the remuneration and T. A., 6) Examiners are requested to attach the photog

D. A. bills. .

Co-ordinator IOAC

Shri Guru Buddqiswami Mahavidyalaya

Purna (Jn) Dist. Parbhant - 431511 (M.S.)

Shri Guru Buddhiswami Copy to: 1. Director, Board of Examination and Evaluation Ser. T.M. University, Manhaudvalaya, Puma (Jn.)

Principal, N.S.B. College, Nanded, Dist. Nanded.

Shri Guru Buddhiswami Mahavidyalaya Purns (Jn.) Dist. Perhinant.



### SHRI GURU BUDDHISWAMI SHIKSHAN PRASARAK SANSTHA'S SHRI GURU BUDDHISWAMI MAHAVIDYALAYA, PURNA (Jn.)

Pin-431 511, Dist. Parbhani (M.S.) India.

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded) Re-accredited by NAAC at 'B' Grade with '2.42' CGPA; ISO 9001:2015 Certified Institute Awarded The Best College (Rural) 2019-2020 by S.R.T.M.U.Nanded

Principal Dr. K. Rajkumar M.A. (English), Ph.D.

Plume: (02452) 3503.13

Email-sghupurna@yahoo.com www.sghupurna.in

Ref:

SRTMU/B.Sc. Prac. EXAMS/Summer2022/

Date: 10/05/2022

### B.Sc. Skill End Semester Examination Movement Order

To,

Mrs.

Asha R. Meshram

External Examiner

N.S.B. College, Nanded, Dist. Nanded.

02. Smt.

Dr. Kausadikar A.S.

Internal Examiner

S.G.B. College, Purna(Jn.),

Dist.Parbhani.

Subject:

ESE(SEC) Summer-2022 in subject: Mathematics

Class: B.Sc. T.Y.

Sir/ Madam.

As per S.R.T.M. University Instructions, I communicate herewith the details of your assignment at the ESE(SEC) in summer 2022.

Examination	Center	Date of Commencement	Last Date of Examination	Time
B. Sc. T.Y.	Shri Guru Buddhiswami Mahavidyalaya, Purna (Jn.)	18/05/2022	18/05/2022	12 noon to 2 p.m.

#### Instructions

- Examiners are requested to prepare mark list, submit sealed mark list and answer book bundle towards the principal of concern center.
- 2) If any near blood relative of the examiner is examined for concerned subject then this appointment will be treated as cancelled. Concerns are requested to communicate accordingly.
- 3) Examiners are requested to attend the practical examination center before one hour from the commencement of practical examination.
- 4) Examiners are requested to communicate their acceptance to the center and university immediately after receipt of this order.
- 5) preparation day will be payable if examiners report the center one day before from the commencement of the practical examination for which only a D. A. will be payable.

6) Examiners are requested to attach the photo copy this prefer while submitting the remuneration and T. A., D. A. bills.

> C6-ordinator IQAC

Shirl Guru Boddhiswami Mahavidyalaya

Perna (Jn) Dist. Parkhani - 431511 (M.S.)

Copy to: I.Director, Board of Examination & Evaluation, S.R.T.M. University, NarMethyldyalaya, Puma (Jn.)

PRINCIPAL Shri Guru Buddhiswami naharinyalara Porna (In ) Dist. Parby and

Principal, N.S.B. College, Nanded, Dist. Nanded.



### SHRI GURU BUDDHISWAMI SHIKSHAN PRASARAK SANSTHA'S SHRI GURU BUDDHISWAMI MAHAYIDYALAYA, PURNA (Ja.)

Pin-431 511, Dist. Parbhani (M.S.) India.

(Affillated to Swami Ramanand Teerth Marathwada University, Nanded) Reaccredited with 'B' with 2.42 CGPA by NAAC and 2 (f) and 12 (B) under UGC Act 1956 www.sgbmpuena.lu

incipal r. K. Rajkumar LA. (English)Ph.D.

Province (02452) 234213,255201 Fast (02452) 254296

Could relationary tubes on

SR (MC/I),Sc. Proc. Exams/Summer2072/

Pate: 11/05/2022

# B.Sc. Practical Examination Movement Order

01. Shri/Som.

Dr. M.Y. Kulkarni

N.S.B. College, Nanded.

External Examiner

02. Shri/Smt.

Midam,

Dr. R. D. Barde S.G.B. College, Puma

Internal Examiner

Dist. Parbbani

Subject: Practical Examination Summer-2022 in subject:

Zoology

Class: B.Sc. F.Y.

Paper No : V

As per S.R.T.M. University Instructions, I communicate herewith the details of your entignment at the actical examination in summer 2022.

Sumination	C-VALLE .	Commencement	Examination	Time
B. Sc. F.Y. Shri Guru Buddhisward Mahavidyafaya, Parna (In.)	Mahavidyalaya, Porna (In.)	18/05/2022	18/05/2022	09.00 am to 1.00 pm

#### Instructions

- 1) Examiners are requested to property mark list, submit stated mark list and unever book bushle towards the protetion of
- 2) If may over blood relative of the executive: is examined for concerned subject then this appointment will be treated up cancelled. Concerns are requested to communicate accordingly.
- 3) Examiners are requested to attend the practical examination center before one later from the commercement of practical
- 4) Examiners are requested to communicate their steeplastic to the center and university immediately after receipt of this
- 5) preparation they will be payable if examiners report the senter one day before from the commencement of the processiexamination for which only a D. A. will be payable.
- Examiners are requested to attach the photo copy this order while submitting the commuteration and T. A., D. A. bills.



# Abhinav Bharat Shikshan Sanstha's

# SUBHASHCHANDRA BOSE

Arts, Commerce & Science College, Tarasing Market, Nanded Phone No.: Principal Cabin & Fax- 244486 / Office- 242017, 246021

E-mail : nsb\_college\_nanded@yahoo.com

Accredited B+ by NAAC

Shi.B.B.Pande President Ref. No.: NSBCN 142-3 Dr.K.M.Joshi Secretary

Dr.S.V.Shiyanikar Principal

Date :- 18\05|2032

ड्रॉ जी जी कापूरे

महाविद्यालयात दि. . १६ १०५१ २०२१. रोजी बहिस्थ परिक्षक म्हणून बी.एस्सी. द्वितिभ अरो नि इ.४.१३% या विषया करीता सकाळी १०.०० वाजता आले व आज दि...१ ६१ १.६११२०३० रोजी वेळ सायकाळी ०५.०० वाजता त्यांना कार्यमुवत करण्यात आले.

> Netall Bubhashchandra Bose College, NANDED.

Co-ordinator per Guni Pundal coami Mahavidy day Purra Unit Oist, Parbhank - 431511 (M.S.)

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Abhinay Bharat Shikshan Sanstha's

# NETAJI SUBHASHCHANDRA BOSE

Art's Commerce & Science College, Tarasingh Market, Vazirabad, Nanded

Phone :Office : (02462) 242017 Cabin : (02462) 244486 Residence : (02462) 235435

Ref No. NSBCN/ SRTMU EXAM /2021-2022 /

Date: 21.05.2022

To,

Dr. D. C. Kamthane, Department of Microbiology, Shri Guru Buddhi Swami College,

Purna.

Reference:

परिक्षा/समन्वय/2022-2023/143 dt. 02.05.2022.

Subject:

Appointment as External examiner in the subject Microbiology class

B. Sc II Year, Summer - 2022.

With reference to the above university letter I am appointing you as an External examiner for conducting practical examination of B. Sc. II Year in the subject Microbiology dated on 26.05.2022 to 27.05.2022.

You are requested to remain present on the said date to conduct practical examination at our college.

Thanking You,

Yours Truly,

Principal

PRINCIPAL

etejl Subhashchandre Boss

College, NANDED.

Copy To:

Coordinator

PRINCIPAL Shri Guru Buddhiswami Mahavidyalava Puma (Jn.) Diat Perbhani

01. Controller of Examination S SRTW Whiversity, Nanded.

02. Dr. S. C. Warangkar, Department of Microbiology, N.S.B. College, Nanded.
(Internal Examiner)

Estd. 198

So (ur)



Abhinav Bharat Shikshan Sanstha's

# NETAJI SUBHASHCHANDRA BOSE Art's Commerce & Science College,

Tarasingh Market, Vazirabad, Nanded

Phone :Office : (02462) 242017 Cabin : (02462) 244486 Residence : (02462) 235435

Ref No. NSBCN/ SRTMU EXAM /2021-2022 /

Date: 21.05.2022

To,

Dr. D. C. Kamthane, Department of Microbiology, Shri Guru Buddhi Swami College, Purna.

Reference : परिक्षा/समन्वय/2022-2023/143 dt. 02.05.2022.

Subject:

Appointment as External examiner in the subject Microbiology class

B. Sc III Year, Summer – 2022.

With reference to the above university letter I am appointing you as an External examiner for conducting practical examination of B. Sc. III Year in the subject Microbiology dated on 28.05.2022 to 29.05.2022.

You are requested to remain present on the said date to conduct practical examination at our college.

Thanking You,

Yours Truly,

Principal

PRINCIPAL staji Subhashchandra Bose

College, NANDED.

ordinator

IQAC Shel Guru Buddhiswami Maharidyalaya Purna (Jn) Dist. Parbhani - 451511 (M.S.)

Guru Buddhiswami Maharidya'iya Purne (Jr.) Dist.Parbna-

Copy To:

01. Controller of Examinations, SRTM University, Nanded.

02. Dr. P.S. Borkar, Department of Microbiology, Science College, Nanded. (External Examiner)