Ref. AISSMSCOE/ civil/ 22 40 /20\$13-20\$14 Date: 16/08 /20013 To A. I. S. S. M. S' S College of Engineering The Principal AISSMSCOE Pune. Dear Sir Subject: Permission to pursue higher studies. . I, the undersigned, I am an employee of AISSMSCOE. I am working in the College Professor (Designation) from 29 Sept, 2000 (Date) as Assistant My appointment is confirmed / not confirmed as yet. propose to register for a full-time / part-time Amaravati (College and University) from the academic year 2013-14 3. I have thoroughly read the AISSMS 'Guidelines for Pursuing Higher Studies', as given in the office order No. AISSMSCOE/246/2006-2007 dated 06 July 2006. I agree to abide by the terms and conditions stated therein. 4. As I propose to join a full-time course : (a) My teaching load and the duties regarding the University Examination and other College duties may be suitably adjusted. I am aware that such adjustments are permitted only without compromising the ongoing teaching learning process in the Department. In case the adjustment of teaching load and other duties is not possible, I am ready to proceed on leave without pay during the period of study. (b) I am ready to sign the service Bond for option II, as per the rules. 5. \* After confirmation of the admission, I propose to opt for option I/II 6. \* I propose to register for the part-time course as an external candidate and to pursue the studies without any financial assistance, and also without any adjustment in teaching load, work load or leave, as per clause No.4 of the said office order. In case, I fail to abide by the Terms and Conditions, I authorise AISSMS to take action, as may be found appropriate. In view of the above, my request for grant of permission to pursue higher studies may please be considered.

Mrs. Vidya N. Patil Name and Signature

The consent had been abtailed from Egitien principal or France P.B. 101 theretax Kerwarded Ker along consideration of University of Prumbai Through: HOD

Note: Strike out whichever is not applicable

\* Not applicable to candidates joining full-time course.



MEAD OF DEPARTMENT CIVIL ENGINEERING ATSSMS'S COE, PUNE-1.

### STATEMENT OF PURPOSE

To be submitted at Datta Meghe College of Engineering

For admission to Ph.D. Programme

on

# INVESTIGATION ON IMPROVEMENT IN DESIGN OF HIGH HEAD CONCRETE OGEE SPILLWAY AND ENERGY DISSIPATION ARRANGEMENT

By Mrs. Vidya N. Patil

Under the Guidance of

Dr. H.S.Chore

Department of Civil Engineering

Datta Meghe College of Engineering

Airoli, New Mumbai- 400708





#### Introduction

The major driving force for construction of dams throughout the world is the need for reliable water supply, flood control, navigation, hydroelectric power generation and recreation. Water demand and consumption worldwide is expected to grow exponentially in the years to come. Hence, there is a need for technological interventions for harnessing, conservation and proper management of water resources. Spillways are provided as integral part of a dam or as an auxiliary structure constructed separate from the main dam to release surplus flood waters which are in excess of the storage space in the reservoir as provided in the operation plan and must be passed downstream. The primary function of spillways is to release surplus water in conjunction with other discharging devices from the reservoir, in order to prevent rise of water level above a specified level in the reservoir to avoid unwanted submergence upstream or consequent overtopping and possible failure of the dam. Thus, spillways work as safety valves for a dam and the adjoining countryside.

The selection and design of a particular type of spillway is based on the specific purpose of the project, hydrology, release requirements, topography, geology, dam safety and project economics. Provision of a hydraulically efficient and structurally strong spillway is very important for the safety of the dam, and life and property along the river down below. The Bureau of Indian Standards has published a code of practice (IS: 10137 1982) highlighting guidelines for the selection of spillways and energy dissipators. The Waterways Experiment Station (1973) and US Bureau of Reclamation (1977) have done extensive experimental work on hydraulic design of spillways. Hydraulic models are used extensively to visualize and understand the complexity of hydraulic phenomena. Various hydraulic design aspects such as discharging capacity, pressures and water surface profiles and energy dissipation arrangement are considered, to evolve hydraulically efficient design of spillways. The width of the spillway plays a major role in the economic analysis and safety of the dam. Normally, a narrow spillway with higher discharge intensities would be less expensive than a wider spillway with moderate discharge intensities. This concept has resulted in large depths of over-flow over the crest of the spillway.





### Aims and objectives

The aim of this study is to obtain the maximum energy dissipation by investigating the design of high head ogee spillway.

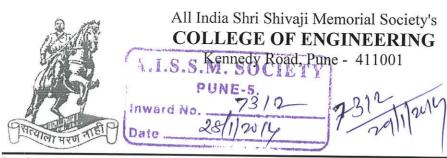
- Experimental work for various types of energy dissipaters for different bed angles.
- To find the optimum hydraulic jump length and sequent depth for head ogee spillway by studying various energy dissipaters and /or combinations of energy dissipaters.
- Assessment of energy dissipation by doing mathematical model study and experimentally verification of the performance of ogee spillway, Vaitarna Dam / Modaksagar Dam D05130, Mumbai, India.
- One of the main objectives is to design stilling basin to reduce the required length of the basin without sacrificing a well-developed hydraulic jump within the range of Froude numbers under consideration and optimum construction cost.
- More extensive investigations to determine the detailed information concerning the effects of boundary roughness on hydraulic jump by identifying flow conditions.
- To determine the most effective shape, size and block spacing with regards to effective velocity reduction and to analyze the relationship of effective shape, size and block spacing with the number of rows.
- Different shape corrugated bed channel to investigate the hydraulic jump characteristics.
- Sensitivity analysis to investigate the effect of the change of intensity and roughness length parameters on the hydraulic jump length.

### Scope of the work

- The scope of this study is investigation in design of high head ogee spillway for maximum energy dissipation in developing cost effective and low deterioration design.
- Selection of best energy dissipater in finding low hydraulic jump length and optimum sequent depth.
- Suitable numerical analysis for designing the high head ogee spillway by considering the dissipation of energy.
- For structural design of various components of hydraulic jump type stilling basins and bucket type energy dissipators below spillways.







"Approved by AICTE, New Delhi and Affiliated to University of Pune" (Id No. PU/PN/Engg/093 [1992]

Tel: (020) 26058587/ 26057660

Fax: (020) 26058943 Direct: (020) 26058342

E-Mail : contact@aissmscoe.com principal@aissmscoe.com Website : www.aissmscoe.com

Dr S P Danao Principal No.AISSMSCOE/PRIN/ 594 /2013-14

Date: 27-01-2016

### **SUBMITTED**

### Subject: Permission to pursue higher studies.

We have received application from the following staff member to pursue the higher studies (Annexe-I). The course to be pursued, number of years of service and the status of appointment is given in the following table:

Sr.	Name & Designation	Course to be	No. of years service in	Status of
No.		pursued	AISSMSCOE	appointment
1	Smt Vidya Nitin Patil	Ph.D	13.4 yrs.	Confirmed
	Assistant Professor in Civil	Civil	1000 5150	Commined
	Engineering	Engineering		

Smt Vidya Nitin Patil, Assistant Professor in Civil Engineering, wish to apply for Ph.D course at Mumbai University / Amaravati University, on the subject Civil Engineering. She is ready to abide required guidelines given by Society to pursue higher study.

It is requested to kindly approve the grant of permission to pursue higher studies to the above mentioned staff member.

After receiving the approval, permission letter will be issued by the undersigned.

Dr S P Danao

To

The Honorary Secretary All India Shri Shivaji Memorial Society 55-56, Shivajinagar

Pune – 411 005.

Approved recommended Approved recommended as per so while quidesines.

CEO.

Submitted:



Ret. No :- Civil 2427 Date: 21/01/14

Subject: Kind request to grant permission for pursuing PhD course...

Ref. AISSMSCOE/Civil/2240/2013-2014 Ref. AISSMSIOIT/Civil/2447/2011-2012

Respected Sir,

I, the undersigned appeared for PhD entrance test on 30<sup>th</sup> May, 2013 at Mumbai University. After declaration of the result, I was eligible for PhD course in Mumbai University. Then I took admission for PhD in Civil Engineering at the research centre - Datta Meghe College of Engineering, Airoli, Mumbai University. Herewith I am submitting the Bonafied Certificate and admission receipt of the same research centre for further process.

Kindly may I request you to allow me for perusing PhD at Datta Meghe College of Engineering, Airoli.

Thanking you.

Yours faithfully

Mrs. Vidya Nitin Patil Asst. Professor Civil Engineering AISSMS's COE, PUNE

Through HOD:

sowerded too doing the peedtul.

То

The Principal,

AISSMS's COE,

Pune 1

A) 6 (20) CHEAD OF DEPARTMENT CIVIL ENGINEERING AISSMS'S COE, PUNE-1.

Enclosure: Bonafied Certificate

Admission Receipt.

· mpt

D



### DATTA MEGHE COLLEGE OF ENGINEERING

Plot # 98, Sector 3, Airoli, Navi Mumbai Pin 400 708 Phone: 91 22 2779 1662/2779 2854/2779 7130/2779 3299

Tel/Fax: 91 22 2779 0875 (Direct)

Fax: 91 22 2779 1665

Ref.No.DMCE/STUD/BON/2013/488

Date:- 06/12/13

### TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mrs. Patil Vidya Nitin is a student of this institute for the session 2013-14 studying in the Ph.D. in Civil Engineering.

As per our office record her date of birth is 18.05.1978.

(In words Eighteenth May Nineteen Hundred & Seventyeight).

This certificate is being issued for visiting research institute for collecting material related to research work.







Datta Meghe College of Engineering
Datta Meghe College of Engineering

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Online National College of Tops

Online National College of Tops

### DATTA MEGHE COLLEGE OF ENGINEERING

AIROLI, NAVI MUMBAI - 400 708.

Tel. 2779 1662, 2779 7130, 2779 2854, 2779 1665

	17318 RECEIPT	Date: 18.9,2013
1	ceipt No. 12-13/A/ 17318 RECEIPT  ceived from Mr./Ms Pabe/ Vidya	Niti's Hundred
the	Sum of Rs. (III Words) from And	
bv	Cash / DD No. 987932 Dated 1	0.09.2013
	731	0:41
tow	ards the fees for provisional admission to YearPKNE	Branch_C/V/
	(Merit / Payment / Common)	
Sr. No.	PARTICULARS	Amount
7.	Tuition Fees	83335
2	Development Fees	6667
3.	Other Fees	10 000
4.	Caution Money Deposit	10,000
5.	Enrollment Fees	1
6.	Form Fees / Addl. Fees	1
7.	University Sports & Cult. Act. Fees	1
8.	University Annual Contribution for Cult. Activities	0/1/
9.	University Disaster Relief Fund	1544/
10.	University Gymkhana Fees / University NSS Scheme	
11.	University E_Charges	1
12.	Yuwa - Raksha (Student's Insurance)	1
13.	Other	10000AA
	Total Fees	100347
	Advance Fee Adjusted / Fees Balance	
	(If Balance due date of Payment)	100 00/14/
	Net Fees Received	1,00,547
	D. D. Amount Cash Amount	HIRT
F	Receipt is valid subject to realisation of Cheque / Demand Draft	100P SINDIA





### University of Mumbai



Th./ICF/2016-17/5/4P Mumbai- 400 032. December, 2016

3mt. Vidya Nitin Patil 106, Trimurtysangam Apartment, Sangamwadi,

Pune-411 003.

Madam,

Congratulations!

With reference to the thesis submitted by you and subsequently for which Viva-Voce Examination was conducted by referees dated 21st December, 2016 for award of Degree i.e. or of Philosophy (Ph.D./Technology) in the subject of Civil Engineering.

I have pleasure in informing you that you have been declared eligible of Ph.D.(Technology) degree in compliance with the provision of UGC (Minimum standard and procedure for award of Ph.D. Degree vide Regulation 2009). The said degree will be formally conferred upon you at the ensuing Convocation on your applying for the same in the prescribed form at the proper time.

> Deepak Wasave Offg. Controller of Examinations.



University of Mumbai



the Chancellor, the Vice-Chancellor

Members of the Management Council confer the Degree of

DOCTOR OF PHILOSOPHY

(Technology)

on

PATIL VIDYA NITIN

of Datta Meghe College of Engineering Presented a Thesis in Civil Engineering in NOVEMBER 2016

which has been accepted by the Examiners at the Convocation held on 16th January, 2017.



कुलपती, कुलगुरू आणि व्यवस्थापन परिपदेचे सदस्य विद्या वाचस्पती (तंत्रविद्या) ही पदची पाटील विद्या नितिन

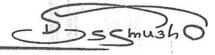
पाटील विद्या नितिन दत्ता मेघे कॉलेज ऑफ इंजिनिअरिंग

यांना स्थापत्य अभियांत्रिकी या विषयात नोव्हेंबर २०१६ मध्ये सादर केलेला प्रबंध परीक्षकांनी स्वीकृत केल्यावद्दल

१६ जानेवारी, २०१७ च्या दीक्षान्त समारंभात प्रदान करीत आहोत.



Colour Xerox



Sanjay Vasant Deshmukh | संजय वसंत देशमुख Vice-Chancellor | कुलगुरु



:00000092







A.I.S.S.M. SOCIETY

PUNE 338

338 Date: 18-04-2012

1914112

To The Principal, AISSMS's IOIT, Pune 1.

Subject: Permission to avail study leave and request to issue No Objection Certificate.

Respected Sir,

I am working as an approved Senior Lecturer in this premier institute since September, 2000. I rendered twelve academic years service to our organization. I think I have contributed enough in the developing stage of this institute.

Now I would like to undergo research work for better prospects. The PhD program is inclusive of six months to one year course work which is mandatory in some of the universities. Hence I should avail the study leave for the same purpose. For this I will submit the required affidavit and handover the cheque of Rs.3Lakhs as per our society norms. I kindly request you to sanction the required study leave and issue the No Objection Certificate for that. Looking forward for your positive reply.

Thanking you in anticipation.

PainCipal

Yours' faithfully,

Mrs. Vidya N. Patil

Assistant Professor

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Also seed as per feele

In H. O. D.

Prof. A. N. Kabugade

Prof. A. N. Kabugade

Also sees a feele



## UNIVERSITY OF POONA STATUTES

Statues Governing Terms and Conditions of Service of Teachers appointed in the University/Colleges and Institutions conducted by the University/Affiliated Colleges/Constituent Colleges/ Recognized Institutions of the University of Poona

(Under Section 42 and / or 73 of the Poona University Act, 1974)

(As modified up to the 01.04.1992)





#### (2) Casual Leave:

- (a) The teacher shall be entitled to 15 days casual leave in an academic year.
- (b) The application for casual leave shall ordinarily be sent before the date from which casual leave is required, an ex-post-facto sanction for the casual leave shall be ordinarily obtained by the teacher in exceptional circumstances where application of casual leave could not be sent before leave is enjoyed. Record of casual leave of the teacher shall be maintained.
- (c) The teacher shall not be entitled for more than seven days casual leave at a time together with prefix and suffix sundays/holidays. It could be extended to 10 days at a time only in exceptional circumstances. Holidays or Sundays falling between the period of casual leave shall not be counted as casual leave. The casual leave shall not be prefixed or suffixed to vacation or other type of leave except to special leave.

#### (3) Earned Leave:

- (a) The confirmed non-vacation teacher shall be entitled to earned leave at the rate of oneeleventh of the period spent on duty subject to his accumulating maximum of 180 days of leave.
- (b) The teacher other than the one included in (a) above shall be entitled to one twenty seventh of the period spent on duty and the period of earned leave as provided in the proviso to S. 423 subject to his accumulation of maximum of 80 days. For this purpose the period of working days only shall be considered.

### (4) Study Leave:

- (a) The permanent whole-time teacher (other than Professor of the University) with more than five years continuous service may be granted study leave on full pay and allowances, together with leave due and. admissible up to 28 months to pursue study in special line of research in India or outside directly related to his work in the University/College/Institution. If the teacher with the permission of the competent authority extends the study leave it shall be debited to his leave account or shall be treated as an extra-ordinary leave.
- (b) The teacher shall not be entitled for another study leave unless he has spent more than five years of duty since his return from study leave granted to him.
- (c) The teacher may alter substantively the course of study or the programme of research only with the prior permission of the Competent Authority.
- (d) In case the teacher completes his Study/Research Programmes prior to the expiry of the study leave sanctioned, he shall resume duty immediately unless he obtains prior approval of the Competent Authority. In case the teacher does not complete Study/Research Programme within the period of study leave sanctioned, the teacher shall with prior approval of the Competent Authority, avail of earned leave to his account to extra-ordinary leave.
- (e) The teacher who is granted study leave shall avail the same within six months of its sanction, otherwise it shall be deemed to have been cancelled, and the teacher shall have to apply for the same again.
- (f) The teacher availing the study leave shall undertake that he shall serve the University/College/Institution continuously for double the period of study leave subject to a minimum of three years from the date of his resuming duty after expiry of the study leave.







### ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S

# Institute of Information Technology

(Formerly Women's College of Engineering)

Affiliated to University of Pune (Id no PU/PN/ENGG/124/1998 Approved by A.I.C.T.E., New Delhi & Govt. of Maharashtra

Dr. P. B. Mane Principal

Capt Shivaji Mahadkar Secretary

Date:

Ref.:

Ref.No.: AISSMS/IOIT/2011-2012/2りして

02.05.2012

To, The Director, Indian Institute of Technology, Bombay Mumbai - 400 076.

Subject: Relieving Mrs. Vidya Nitin Patil(Desai) on Study Leave

Dear Sir,

We hereby relieve Mrs. Vidya Nitin Patil (Desai), Assistant Professor (Civil Engineering), an employee of this Institute on No Pay Leave for joining Ph.D. Programme at IIT Bombay, for a period of three years.

Thanking you,

Yours faithfully,

(Dr. Pradeep B. Mane) PRINCIPAL

A.I.S.S.M.S.'s Institute of Information Technology Pune - 411 001.







### ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S

### **Institute of Information Technology**

(Formerly Women's College of Engineering)

Affiliated to University of Pune (Id no PU/PN/ENGG/124/1998 Approved by A.I.C.T.E., New Delhi & Govt. of Maharashtra

Dr. P. B. Mane Principal Capt Shivaji Mahadkar Secretary

Ref.:

Ref.No.: AISSMS/IOIT/2011-2012/2013を

Date:

02.05.2012

To,
The Director,
Indian Institute of Technology, Bombay
Mumbai - 400 076.

Subject: No Objection Certificate

Dear Sir,

This is to certify that our Institution has no objection to the candidature of Mrs. Vidya Nitin Patil(Desai), who is working as Assistant Professor in the Civil Engineering Department of our College, to join the Ph.D. Programme at IIT Bombay, under College Teacher Category.

Pune-

Thanking you,

Yours faithfully,

(Dr. Pradeep B. Mane)

A.I.S.S.M.S.'s

Institute of Information Technology

Pune - 411 001.

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PRINCIPAL
ALL INDIA SHRI SHWAII MEMORIAL SOCIETYS
COLLEGE OF ENGINEERING
KEDMEDT PROAD, PUMP-411 ON

Peceived



### ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S

### **Institute of Information Technology**

(Formerly Women's College of Engineering)

Affiliated to University of Pune (Id no PU/PN/ENGG/124/1998 Approved by A.I.C.T.E., New Delhi & Govt. of Maharashtra

Dr. P. B. Mane Principal Capt Shivaji Mahadkar

Secretary

Ref.:

AISSMS/ IOIT/2011-2012/2446

Date:

03.05.2012

### **CERTIFICATE**

This is to certify that Prof. Mrs. Vidya Nitin Patil(Desai) is working with us as "Assistant Professor in Civil Engineering" since September 29, 2000 to till date..

This certificate is being issued on the request of Prof. Mrs. Vidya Patil(Desai) for Ph.D. registration.

Purie-1 Technology

(Dr. Pradeep B. Mane)

A.I.S.S.M.S.'s

Institute of Information Technology

Pune - 411 001.

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PRINCIPAL
ALI NDU SHRI SHYAJI MEMORJAL SOCIETY'S
COLLEGE OF ENGINEERING
KENNEDY ROAD, PUNE-411 001

JOINING REPORT / UNDERTAKING	
I, the undersigned, Mr./Ms./Mrs. Dr. VIDYA NITIN PATIL	
	lo.
AISSMS (OIE) EST- APT/PUN/629-05/2016-17, Dated 30/05/2017 1	, OI.
the post of Associate Professor in Civil Engineering	
Lam Joining today the Ollocka of a AM/BN the said past and to the heat of any language	
I am Joining today, the <u>01/06/2017</u> AN/BN the said post, and to the best of my knowled and belief, I am giving the following undertaking:	ge
and benez, I am giving the following three taking.	
1. The terms and conditions mentioned in the above said appointment order are fully acceptable me, and I shall abide by them.	to
2. I shall work as a full-time teacher in the Institute, and shall not accept any part time or employment outside the Institution.	SO
3. I shall observe strictly the code for professional ethics for College teachers as stipulated Appendix VI, under Savitribai Phule Pune University, statutes, under section 42 and/or 73 of the Savitribai Phule Pune University Act, 1974 and I shall not run any tuition / coaching classes, no shall I undertake any consultancy work without the prior permission of the institute.	ne
4. I shall not register myself for any Ph.D. / Post Graduate Degree / Degree / Diploma / Certificate any other course without the prior permission of the Institute.	OI.
5. I fully understand and am aware of the facts that my services shall be liable to be terminate forthwith without assigning any reason whatsoever in case of:	ed
<ul> <li>Any breach of the above points.</li> <li>Any breach of my part related to the teaching profession.</li> <li>Disobeyance of the orders from the Institute given from time to time in the ultimate interest the Institute,</li> </ul>	of
Or any other such reason / action deemed fit to terminate my service.	
Pune .  Date: $01/06/2017$ Signature  Name: $D\gamma$ . $V \cdot N \cdot Parti$	
ADDRESS	
Permanent Correspondence	
406, Primurtysangam 406, Primurtysangam	
Sangamwadi Sangamwadi	
Pune - 411003 Pune - 411003	
Tel./Mobile No. 09422443243 Tel./Mobile No. 09422463243	
To	
The Principal AISSMS's, College of Engineering PUNE – 411 001.	

### ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY, PUNE - 411 005.

Name of the Institute: All India Shri Shivaji Memorial Society's

College of Engineering

Kennedy Road, PUNE - 411 001.

### ORDER OF APPOINTMENT

No.AISSMSCOE/EST-APT/PVN/629-05/2016-17

Date: 30 May 2017

To

Dr (Mrs) Patil Vidya Nitin 406, Trimurty, Sangam Apartment Sangamwadi, Pune - 411003.

Subject: Appointment to the post of Associate Professor in Civil Engineering.

In response to our advertisement dated 27 April 2017, you have applied for the post of Associate Professor in Civil Engineering. You were interviewed on 18 May 2017 for the post by Local Staff Selection Committee under Statue No. 415 of Savitribai Phule Pune University.

I am pleased to appoint you as full-time teacher for the post of Associate Professor in Civil Engineering in All India Shri Shivaji Memorial Society's College of Engineering, Kennedy Road, Pune - 411 001, in the pay band of Rs. 37400-67000 + AGP of Rs. 9000/- with effect from 01.06.2017 or from the date of assuming the charge of the post.

You are required to communicate your acceptance on or before 15.06.2017, failing which it will be presumed that you are not interested in the offer and this appointment will be treated as cancelled. No further communication will be entertained in this regard after the due date.

Your appointment is subject to the following terms and conditions:-

- Your services will be governed by the Maharashtra Universities Act, 2017, Statutes, Code of 1. Conduct, Ordinances and rules and regulations laid down by the Savitribai Phule Pune University, State Government, AISSM Society and College from time to time.
- You are appointed in clear vacancy on full-time basis on probation for a period of one year 2. from the date of joining.
- a) You will be paid basic pay of Rs.37400/- p.m. in the pay band indicated above. You will also be entitled to Dearness Allowance, House Rent Allowance, Transport Allowance and C.L.A. at the rates prescribed by the State Government and Society from time to time. In case you are appointed for a period of more than one year, you shall earn annual increment.
  - b) Your appointment and salary shall be subject to approval by the Savitribai Phule Pune University and Director of Technical Education, Mumbai, as the case may be.
- a) You shall have to qualify the NET or the SET or similar test (as the case may be) laid down 4. by the Savitribai Phule Pune University/State Government/UGC or the Central Council pertaining to your faculty within the stipulated period, as applicable.

b) You shall have to acquire the qualifications \_\_\_\_\_ (M.Phil./Ph.D./M.E etc) as prescribed by the AICTE / University / State Govt. or the Central Councils concerned within the five / seven years period, as applicable. ..2/-

AISSMS COE PUNE.

- 5. Your appointment is subject to the minimum number of students and the workload prescribed for the post.
- 6. You are not entitled to vacation or any leave other than casual leave during the tenure of your first year of service.
- 7. The examination work assigned by the College/ Savitribai Phule Pune University, Pune, from time to time is obligatory on your part.
- 8. You shall submit the originals as well as certified true copies of relevant testimonials such birth date certificate, marksheets, experience certificate, degree certificate, discharge/relieving certificate, last pay certificate, caste certificate, caste validity certificate, change of name certificate (if any) etc., before joining your duties.
- 9. In case you accept the appointment, you shall have to execute a Deed of Contract/Undertaking of Service as prescribed in the Statutes at the time of joining the duties.
- 10. Subject to the fulfillment of the requirements mentioned in the Clause No.8 above, you will be allowed to join the duties on production of:

A) Two Passport size photographs,

- B) Character Certificate from two eminent persons, one of whom should be a Government Gazetted Officer; and
- C) Discharge Certificate from previous employer (if any).
- 11. You shall undergo medical examination by the approved Medical Officer or by the Civil Surgeon at the place of your duty, within three months from the date of joining the duties. The appointment shall be provisional and conditional, pending submission of Medical Certificate stating that you are free from any contagious disease and that you are physically fit for employment as the staff of the College.
- 12. You are required to give the correct mailing address as soon as you join the duties and any change in the address given earlier should be communicated to the Principal. It will be presumed that any letter sent by the Registered Post Acknowledgment Due (RPAD) on the address given, shall be deemed to have been acknowledged duly signed by you.
- 13. You will not conduct or engage yourself in any private tuitions or private coaching classes.
- 14. You will not engage yourself in any other job paid full-time, part-time or otherwise, during the continuance of your service, without the permission of the Competent Authority.
- 15. You will not undertake any testing, consultancy or R&D work without the prior approval of the Competent Authority.
- 16. You will not register for any degree/diploma/certificate or other course without the prior permission of the Competent Authority. You will follow all the rules and regulations existing at the time of application for registration to any degree/diploma/certificate or other course.
- 17. Your services shall be transferable at the instinct of the Society according to its choice and need of the College and/or institute to any post in same College or other College or Institution run by the Society. Your services are transferable to any other College / Institutions run by the Management.





- 18. a) Your appointment may be terminated, at any time, by either side/party, by giving one month notice or one month pay in lieu of notice period if the period spent in service is more than six months, provided always that the date of expiry of such a notice shall not fall within either academic term.
  - b) On satisfactory completion of probation and confirmation on the post thereafter, your appointment may be terminated by either side/party, by giving three month's notice or three month's pay in lieu of notice period.
- 19. If you are found absent continuously for more than thirty days without prior permission, your services will stand terminated automatically. If you are found guilty of violation of any terms and conditions mentioned above, you will be liable for disciplinary action and punishment decided by the Competent Authority as provided for in the statues. During the period of your services you shall not directly or indirectly do such things which are subversive to the interest of the Society / University / College / Students.



Malojiraje Chhatrapati

HONORARY SECRETARY
The All India Shri Shivaji Momoriei Society a
Form-411 805.

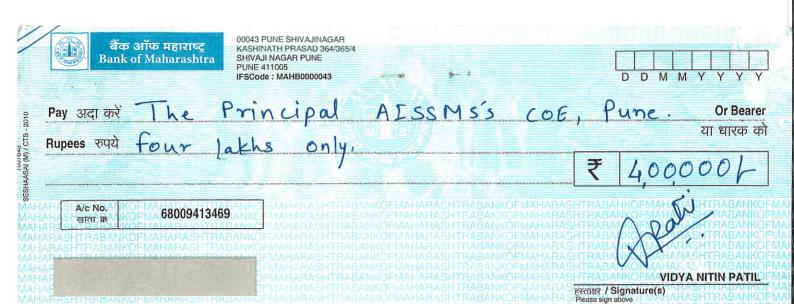
Copy to: The Principal, A.I.S.S.M.S's College of Engineering, Kennedy Road, Pune-411 001 for information.

Recievad Order

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PRINCIPAL
ALL INDIA SHIRI SHIRI MEMORIAL SOCIETY'S
COLLEGE OF ENGINEERING
KENNEDY ROAD, PUNE-411 001

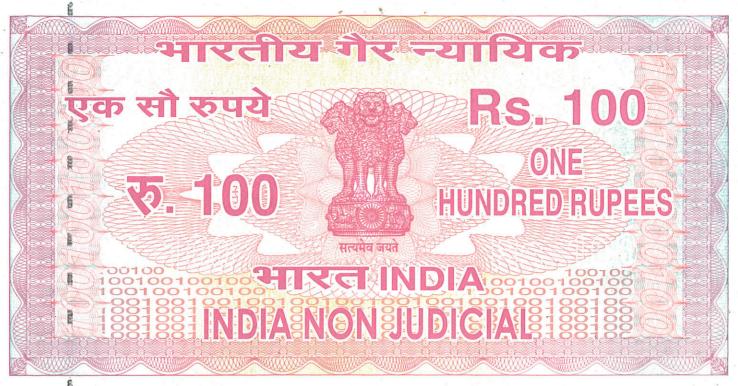
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KENNEDY ROAD, PUNE-411 CO1



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**AGREEMENT** 

AGREEMENT

This agreement is made and executed at Pune on 08<sup>th</sup> April 2014.

BY AND BETWEEN

The Principal

AISSMS 'S COLLEGE OF ENGINEERING, PUNE – 1.

PARTY OF THE FIRST PART





(Hereinafter referred to as 'Employer' which expression shall unless repugnant to context otherwise shall mean and include its Office bearers, Executers, Assignees)

#### AND

Mrs. Vidya Nitin Patil

Residence: Flat no. 406, Trimurtysangam appartment, Sangamwadi, Pune – 411 003.

#### PARTY OF THE SECOND PART

(Hereinafter referred to as 'Individual' which expression shall unless repugnant to context otherwise shall mean and include her Executers, Legal Heirs, etc.)

WHEREAS THE Individual has signed and entered into an Agreement with the Employer for permission to purse PhD (Civil Engineering) Studies.

AND WHEREAS THE Employer has agreed to permit Mrs. Vidya Nitin Patil for the aforesaid studies.

AND WHEREAS the Individual has read and agreed to the terms and conditions in this regard, as stipulated in the Office Order No. AISSMSCOE/246/2006-07 Dated 06/07/2006.

The parties hereto have agreed on the terms and conditions as stipulated under **Option- II** Of the said Office Order and now this Deed witnesseth as under.

- 1. The Employer shall permit the Individual to complete the course of PhD (Civil Engineering) Degree at Datta Meghe College of Engineering, Airoli, Navi Mumbai 400 708 for a period of 04 years commencing from 06/09/2013. During the said period, Individual shall be deemed to be on duty.
- 2. The Individual hereby agrees to seek the reimbursement of the tuition fees and to receive salary during study leave total of both upto maximum of Rs.1,00,000/- (Rupees One lakh only) upon submission of receipt as applicable to the Employer.
- 3. The Individual hereby specifically agrees to serve and remain in the service of Employer for a period of 5 years from the date of acquiring the PhD qualification and resuming her duty in the College.
- 4. The Individual hereby agrees to submit the advance cheques of Rs. Four Lakhs each of a nationalized bank for Rs. Three Lakhs, plus the amount of Rs. One Lakh reimbursed to her.
- 5. If the Individual commits a breach of the service bond prior to its stipulated period, the individual is liable and undertakes to reimburse the employer forthwith entire amount Rs. Three Lakhs plus amount paid to her with interest calculated @ 12 % by the Employer. Only on such reimbursement the employer may complete the formalities of relieving the Individual from the said service bond.
- 6. The Individual hereby specifically agrees that in case she is not able to acquire







The PhD degree within a period of 07 years from the date of registration, only one extension for the period of one year will be considered.

In case the degree is not acquired even after the expiry of the extended period. The Individual is liable and undertake to reimburse the Employer entire amount paid to her with interest calculated @ 12 % by the Employer, immediately on the expiry of extended period.

- 7. The Individual hereby specifically agrees that all financial reimbursement received by her will be subject to the deduction of tax at source, as per the provisions of Income tax rules prevailing.
- 8. The Individual hereby agrees that during the period of service bond the Employer shall be at liberty to discontinue the service of the Individual after following due process of law. On such discontinuance the Employer would be entitled to recover the balance amount paid as reimbursement to the Individual in terms of clause 4 herein above.
- 9. The Individual has fully understood the terms and conditions stipulated in the Office Order No: No. AISSMSCOE/246/2006-07 Dated 06/07/2006, as also the above service bond and agrees to abide by the terms and conditions therein.
- 10. The parties have submitted themselves to Pune District Court Jurisdiction only in case of any dispute arising out of the execution of this agreement.

IN WITNESS WHEREOF, both the parties have signed this agreement on the date mentioned herein above

THIS AGREEMENT IS entered into voluntarily by both the parties, before the individual proceeding to pursue higher studies.

Witnesses:

Signature:

Name: Prof. R. D. Nalawade Civil Engineering Department Address: AISSMS COE, Pune

Dr. S.P. Danao
Principal
AISSMS COE, Pune-1
(EMPLOYER)

Signature:

Name: Prof. P.B. Nangare Address: AISSMS COE, Pune

Mrs. Vidya Nitin Patil
Assistant Professor in Civil Engineering
AISSMS's COE, Pune 1
( Individual )

ONE OF CHICKERS IN



### AISSMS COLLEGE OF ENGINEERING BANK OF BARODA SAVING ACCOUNT NO.4510100017274

SN	Tran Date	Account Number	Description	Currency	D/C	Amount ₹	Name
1	19.01.2021	04510100017432	Exp International Conference -2020	Indian Rupee	С	4800.00	Mr Nana Namdeo Shejwal
			TOTAL ₹			4800.00	

Paid by cheque no 007100 dtd 05.01.2021 drawn on Bank of Baroda

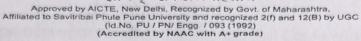
AISSMS COE, PUNE.





### COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय





कमांक : शिओर्ड/पीएन/लेखा/२०२०-२०२१/176

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J.E.

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देयके अदा कवण्याभाठी भादवः

विषय : खर्च झालेल्या यक्कमेपोटी देय यक्कम अदा करणेबाबत ...

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संक्रिय स्वामिशाननुसार खालील कर्मचा-याने क्रशीवलेल्या कार्याास्तव रक्कम खर्च केलेली आहेत.

S. N.	N. Name of The Staff Sl No Reason		Amount₹	
1	Mr N N Shejwal		International Conference -2020	4800.00
		Total	Amount Payable:	4800.00

क्यया अद्य खर्चे झालेली यक्कम थ्रदा क्रयण्याभ मान्यता थ्रभाणी हि विनंती.

आपली मान्यता मिळाल्यानंतत्र युवायभेल्फचा क्रॉभ धनावेश काढण्यात युर्द्धल.

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मा. अचिव

ऑल इंडिया भ्री शिवाजी मेमोवियल ओआयटी

HON. SECRETARY

All India Shri Shivan Memorial Society
Pune — 41,005.

देयके अदा करण्याभाठी भादव :

वरील अखिमशानमुभाव ववीलप्रमाणे खर्च ज्ञालेल्या चक्कमेपोटी देय चक्कमे मिळालेली आहे. ओखत स्वाक्षरी करीता नावे युवरसेल्फचा कॉस धनावेश ठेळीत आहे. कृपया स्वाक्षरी व्हावी हि विनंती.

क्रमांक : न्रीओई/पीएन/लेखा/२०२०-२०२१/

दिनांक : , 2020

> Cheque No. 007100 Dt. 05/01 On Bank of Baroda Pune 5

PRINCIPAL INDIA SHRI SHIVAJI MEMORIA COLLEGE OF ENGINEER KENNEDY ROAD, PUNE-4

PRINCIPAL TREASURER HONORARY SECRETARY AISSMS COE THE ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY PUNE-411001. PUNE-411005.

No.: FYD/ 548/27 08

A. I. S. S. M. S' S College of Engineering Pune 1000 208

Submitted

Date: 16/03/2020

Subject: Reimbursement of expenditure for International Conference -2020

Reference: Approval Letter No. AISSMSCOE/PRIN/1231/2019-20 dated 05/03/2020

With reference to above subject, Prof. N N Shejwal has attended and presented the paper in International Conference on Energy and Environmental Technologies for sustainable development CHEM-CONFLUX 20 to be held during 14-16 February, 2020 at Department of Chemical Engineering Motilal Nehru National Institute of Technology (MNNIT) Allahabad, Prayagraj (U P) - 211004

It is requested to reimburse the registration fee and TA/DA as per the rules. The detail expenditure of international conference is as follows:

Description	
Registration Fee	Amount
Personal Telegraphy in the company of the property of the company	4000=00
Accommodation Charges	800=00
Dearness Allowance 14/03/2020 to 16/03/2020 (Rs. 190 x 4days)	760=00
Total	5560=00
	Registration Fee  Accommodation Charges  Dearness Allowance 14/03/2020 to 16/03/2020 (Rs. 190 x 4days)

Please consider my application and reimburse the expenditure Rs. 5560=00 (Five Thousand Five Hundred Sixty Only)

Forwarded.

Head Department of First Year Engineering

Pune - 411001.

AISSMS College of Engineer

Yours Sincerely Dr N N Shejwal Asst. Prof. in Physics

A. of Acep + n. 9 2.9.200

Through

First Year Engineering To

The Principal AISSMS COE Pune-01

Date: 16/03/2020

Place: Pune

No: FYD/ / 16/03/2020

Encl: 1) Original Receipt of Registration fee

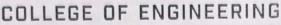
3) Approval letter

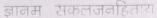
2) Accommodation Fee

4) Attendance certificate











Ref: AISSMSCOE/PRIN/ 1231 /2019-20

Date- 11.02.2020

Submitted:

Subject: Approval of Registration Fee, TA/DA allowances for CHEM-CONFLUX 20 MNNIT Conference at Allahabad

on 14-16 February, 2020.

We have received application from Dr N N Shejwal, Assistant Professor in First Year Department to attend the Conference on Energy and Environmental Technologies arranged by CHEM-CONFLUX 20 MNNIT Allahabad and his paper will be published on Carbon Dioxide separation from air using Direct Air Capture Technology. He has requested to pay registration charges Rs. 4000/- and TA/DA allowances as per rules.

We hereby request you to sanction Rs 4000/- charges towards registration and accommodation cost, TA/DA for two days.

This is for your kind information and approval please.

S B Tapkir

S S Chauhan Finance Officer A B Bhonsle Adm Officer

Dr Ď Š Bormane Principal

To

The Hon Secretary AISSM Society, 55-56 Shivajinagar, Pune-0

HONORARY SECRETARY ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY, PUNE 410 005



### COLLEGE OF ENGINEERING, PUNE - 01

(Accredited by NAAC with grade A+) ज्ञानम् सकलजनहिताय

### DEPARTMENT OF FIRST YEAR ENGINEERING

To The Principal AISSMS COE Pune- 411001

Subject: - Regarding permission to attend the International Conference on Energy and Environmental Technologies for sustainable development CHEM-CONFLUX 20 MNNIT Allahabad, (UP) - 211004

Ref: - Acceptance letter dated: Sun, Jan 5, 2020 at 12:14 PM.

R/sir

I the undersigned Prof. N.N. Shejwal working as a Assistant Professor in Physics in our well-known Technical Institute, since 1997. The research paper entitled, Carbon dioxide separation from air using Direct Air Capture Technology "has been submitted to International Conference on Energy and Environmental Technologies for sustainable development CHEM-CONFLUX 20 and accepted by the Editorial Committee for presentation in the Conference and its publication.

I request to you. Please give me permission to attend International Conference on Energy and Environmental Technologies for sustainable development CHEM-CONFLUX 20 to be held during 14-16 February, 2020 at Department of Chemical Engineering Motilal Nehru National Institute of Technology (MNNIT) Allahabad, Prayagraj (U P) - 211004 and sanction the amount for registration fee, TA.DA etc for the same.

Through

First Year Engineering Department

Place: Pune

NO: FYD/50s/ 05/02/2020

Encl: 1) Acceptance Letter

2) The tentative schedule of the expenditure is attached herewith.

3) Tour Programme Form

4) Abstract copy

Date: 04/02/2020



forwards o



Yours Sincerely

Dr. N.N. Shejwal Asst.Prof.in Physics

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### An International Conference

On



Energy and Environmental Technologies for Suitable Development (Chemconflux<sup>20</sup>)

February 14-16, 2020

Organized by

Department of Chemical Engineering, MNNIT Allahabad Prayagraj - 211004 (India).

s. No. 264			Date: 15/2/2020
Received with thanks from	DR. N.N.	Shejion	Registration fees. R.S
by Cash/Online Mode/Demand D.	raft No. onli	e (	against paper No
Dated 15/2/20			
			May 1
			Authorized Signatory

SI. No. 968-969 Guest Room No. . . 03



### स्वामी विवेकानन्द बालक छात्रावास

मोतीलाल नेहरु राष्ट्रीय प्रौद्योगिकी संस्थान, इलाहाबाद प्रयागराज-211004 (भारत)

SWAMI VIVEKANANDA BOY'S HOSTEL

Motilal Nehru National Institute of Technology, Allahabad
Prayagraj-211004 (India)

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Date 16/02/2020

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PRINCIPAL
ALL INDIA SHRI SHWAJI MEMORIAL SOCIETY'S
COLLEGE OF ENGINEERING
KENNEDY ROAD, PUNE-411 001



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Certified for Payment

rincipal AISSMS COE PUNE.

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Certified for Paymont

Principal AISSMS COE PUNE.



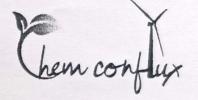
# Internacional Conference on

35

# ENERGY AND ENVIRONMENTAL TECHNOLOGIES FOR SUSTAINABLE DEVELOPMENT

Organised By

# Chemical Enigneering Department



Motilal Nehru National Institute of Technology Allahabad, Prayagraj - 211004 (India)

### CERTIFICATE

This is to certify that Nana Namdeo Shejwal, AISSMS COLLEGE OF ENGINEERING has actively participated & presented a research paper in an international conference on "Energy and Environmental Technologies for Sustainable Development (Chem-Conflux<sup>20</sup>)" held at Motilal Mehru Mational Institute of Technology Allahabad, Prayagraj during February 14th-16th, 2020.

Dr. Sushil Kumar (Convener) Dr. Dipesh S. Patle (Convener)

Dr. M. Siraj Alam (Chairperson)

Sponsored by:

TEQIP-3











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