



Serial No: 160013

HIMALAYAN UNIVERSITY

(Established under Section 2(f) of UGC Act 1956)

Itanagar, Arunachal Pradesh

Provisional Degree

The University Hereby Confers Doctor of Philosophy in the Field of Mechanical of The

Faculty of Engineering & Applied Science

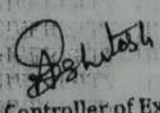
Named: Abhishek Saxena

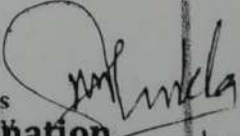
bearing Registration No. T028102020213002

Under the Thesis Title: "Design & Performance Evaluation of A Novael Hybrid Solar Air Heater."

..... who has successfully Completed the Requirements Prescribed by the University for the award of Provisional Degree in the Year 2015

Date: 2016-07-21

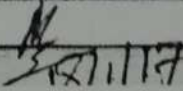

Controller of Examinations
Himalayan University


04/02/17

COPY



Checked by





UTTARAKHAND TECHNICAL UNIVERSITY, DEHRADUN

Address: Govt. Girls Polytechnic Campus, Suddhowala, P.O. Chandanwari,
Pramnagar, Dehradun - 248007

Ph: 0135-2770128, Fax: 01352770119, Website: www.uktech.ac.in

Date: 11.09.2017

Ref. No. A-*Sheeb* / RDC / UTU / 2017

To

Mr. Nand Kishore,
S/o Sh. Basant Lal,
H.No.- S-1/13, Krishna Puri Lane Par,
Moradabad, UP-244001.

Research Topic : "Design and Performance Investigation of Asolar Air Heater with Helical Tubes with Different Configurations".

Supervisor : Dr. S.P. Pandey, Director, GBPEC, Pauri, Garhwal.

Co-Supervisor : Dr. Abhishek Saxena, Associate Professor, Moradabad Ins. of Technology, Moradabad.

Dear Scholar,

Please refer to University RDC for Ph.D. in 'Mechanical' branch held on 30.08.2017. The observation of the RDC is as per following details. You are requested to make progress towards your Ph.D. programme accordingly, and the progress made towards this has to be presented before next RDC.

Decision/Observation of the RDC:

- The Ph.D topic entitled "Design and Performance Investigation of Asolar Air Heater with Helical Tubes with Different Configurations" is approved.
- However, the candidate needs to develop the understanding of the subject matter.

Yours Sincerely,

(Prof. P.K. Garg)
Chairman RDC/Ph.D

Copy forwarded for information and necessary action to:

- Supervisor/Co-Supervisor
- Candidate File



विद्या वाचस्पति

प्रमाणित किया जाता है कि
रसायन विज्ञान
उपाधि प्रदान की गयी।

अनिमेष अग्रवाल को
विषय में वर्ष १९९७ में विद्या वाचस्पति की

उक्त उपाधि के लिए इन्होंने
"क्रोमेटोग्राफिक स्टडीज ऑन सम टंगस्टेट ऑयन एक्सचेंजर्स"

शीर्षक का शोध प्रस्तुत किया।

DOCTOR OF PHILOSOPHY

This is to certify that **Animesh Agarwal**
has been admitted to the Degree of DOCTOR OF PHILOSOPHY in 1997 in
CHEMISTRY in this University.

The Title of thesis which he / she submitted was
"CHROMATOGRAPHIC STUDIES ON SOME TUNGSTATE ION EXCHANGERS"

रुहेलखण्ड विश्वविद्यालय, बरेली
ROHILKHAND UNIVERSITY, BAREILLY

दिनांक / Date 13.6.1998

प्र. डी. तिवारी
कुलपति
VICE CHANCELLOR

Verified
[Signature]
01/4/04



IFTM UNIVERSITY

(Established under U.P. Govt. Act No. 24 of 2010 and approved under section 22 of UGC Act 1956)

Lodhipur Rajput, Delhi Road (NH-24),
MORADABAD-244 102 (U.P.) INDIA

Ref: 016/Research/IFTMU/2016
Dr. Animesh Agarwal
Associate Professor, Deptt. of Applied Science
MIT, Moradabad- 244001
E-mail ID: ani25dec@yahoo.co.in
(M) +919412494143

Date: 18.4.2016

SUB: Regarding evaluation of Ph.D. Research Thesis

Dear Prof. Agarwal,

Kindly find enclosed **Ph.D. thesis** (along with the 'Summary') in **Chemistry** for adjudication. It is submitted by Ms. Megha Agarwal, a Ph.D scholar under your supervision and it is requested to you to kindly submit the report preferably within three months in the format attached:

1. Name of the Candidate: **Ms. Megha Agarwal**
2. Enrollment Number: **R 102002**
3. Title of the Thesis: **"Environmental studies on the impact of industrial waste on water quality of river KOSI and GANGAN and the remedial measures"**

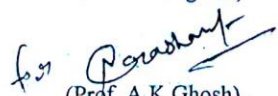
Guidelines for evaluation:

1. It is requested to comment on the content, chapter plan, individual chapters, quality of style of writing the thesis, research techniques/methods used by the candidate in doing the research work and the significant results of the research work, worthiness of the thesis for publication, suggestions for improvement for publication and correction of errors, if any.
2. You are also requested to make any one of the following recommendations on the basis of your evaluation of the thesis:
 - i) For the award of Ph.D. Degree, or
 - ii) For revision/extension/modification of thesis, or
 - iii) For rejection of thesis.

The relevant portion of the Ordinance is reproduced below:

- i) The thesis must be an original piece of work, characterized by the discovery of facts or by fresh approach towards interpretation of theories. In either case, it should reflect the candidate's capability of critical examination and sound judgment.
- ii) It should also be satisfactory as far as its logical and reasonable presentation is concerned. At the same time, it should have the potential for research publications in reputed journals.

Thanking you,
With kind regards,

f.s. 
(Prof. A K Ghosh)
Professor in charge, Research &
Addl. Controller of Examinations



Shobhit University

EDUCATION EMPOWERS

Meerut Campus (Notified by Government of India u/s 3 of UGC Act 1956)
Shobhit University, NH-58, Modipuram, Meerut 250 110

Gangoh Campus (Notified by Government of Uttar Pradesh under UP State Act 03/2012)
Adarsh Institutional Area, Babu Vijendra Marg, Gangoh, Distt. Saharanpur 247 341

Corporate Office: University Tower, Institutional Area, Pocket-B,
Mayur Vihar Phase II, New Delhi 110 091, India

E.: mail@shobhituniversity.ac.in U.: www.shobhituniversity.ac.in

Annexure - 1

186

Annexure - 2

185

Case No: SU/RO/ACS/13/2013

Dated : July 26, 2013

COMPLETION CERTIFICATE

This is to certify that Mr. Kshitij Shinghal S/o Sh. Sharad Kumar, registration No-SU/SEE/Ph.D/P.T./08/15 and enrolment No- 2008070004 has successfully taken viva voce examination on July 26, 2013 for the award of Ph.D. Degree in **Electronics & Communication Engineering** on the topic "Development of Low Power Wireless Sensor Network Node- an SOC Approach".



R.G. Singhal
Dr. R.G. Singhal
Registrar

[Signature]



IFTM UNIVERSITY

(Established under U.P. Govt. Act No. 24 of 2010 and approved under section 22 of UGC Act 1956)

Lodhipur Rajput, Delhi Road (NH-24),
MORADABAD-244 102 (U.P.) INDIA

Ref: 3/ ECE/Research / IFTMU /2015

To,
Dr. Kshitij Shinghal
Associate Prof., Deptt. of E & C
Moradabad Institute of Technology
Moradabad- 244001

Date: 11-04-2015

Subject: Regarding the Evaluation of the Ph.D. thesis.

Sir,

Kindly find enclosed the Ph.D. thesis (work done under your supervision) in Electronics & Communication Engineering as per the following details for evaluation with the request to kindly submit the report in the format attached, preferably within three months:

1. Name of the Candidate: **Mr. Amit Sharma,**
2. Enrollment Number: **R 102049,**
3. Title of the Thesis: **'Design and performance analysis of an energy efficient routing algorithm for wireless sensor network'.**

Guidelines for evaluation:

1. It is requested to comment on the content, chapter plan, individual chapters, quality of style of writing the thesis, research techniques/methods used by the candidate in doing the research work, and the significant results of the research work, worthiness of the thesis for publication, suggestions for improvement for publication, and correction of errors, if any.
2. You are also requested to make any one of the following recommendations on the basis of your evaluation of the thesis:
3. For the award of Ph.D. Degree or
4. For revision/extension/modification of thesis or
5. For rejection of the thesis

The relevant portion of the Ordinance is reproduced below:

- i) The thesis must be an original piece of work, characterized by the discovery of facts or by fresh approach towards interpretation of theories. In either case, it should reflect the candidates' capability for critical examination and sound judgment.
- ii) It should be satisfactory as far as its logical and reasonable presentation is concerned. At the same time, it should have the potential for research publications in reputed journals.

Thanking you,
With kind regards,

(Prof. A K Ghosh)
Professor in charge, Research
Addl. Controller of Examinations

N.B. You are requested to send the evaluation report along with the filled up Remuneration Bill enclosed herewith.



IFTM UNIVERSITY

(Established under U.P. Govt. Act No. 24 of 2010 and approved under section 22 of UGC Act 1956)

Lodhipur Rajput, Delhi Road (NH-24),
MORADABAD-244 102 (U.P.) INDIA

Ref: 3/ ECE/Research / IFTMU /2015

To,
Dr. Kshitij Shinghal
Associate Prof., Deptt. of E & C
Moradabad Institute of Technology
Moradabad- 244001

Date: 11-04-2015

Subject: Regarding the Evaluation of the Ph.D. thesis.

Sir,

Kindly find enclosed the Ph.D. thesis (work done under your supervision) in Electronics & Communication Engineering as per the following details for evaluation with the request to kindly submit the report in the format attached, preferably within three months:

1. Name of the Candidate: **Mr. Amit Sharma,**
2. Enrollment Number: **R 102049,**
3. Title of the Thesis: **'Design and performance analysis of an energy efficient routing algorithm for wireless sensor network'.**

Guidelines for evaluation:

1. It is requested to comment on the content, chapter plan, individual chapters, quality of style of writing the thesis, research techniques/methods used by the candidate in doing the research work, and the significant results of the research work, worthiness of the thesis for publication, suggestions for improvement for publication, and correction of errors, if any.
2. You are also requested to make any one of the following recommendations on the basis of your evaluation of the thesis:
3. For the award of Ph.D. Degree or
4. For revision/extension/modification of thesis or
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- ii) It should be satisfactory as far as its logical and reasonable presentation is concerned. At the same time, it should have the potential for research publications in reputed journals.

Thanking you,
With kind regards,

(Prof. A K Ghosh)
Professor in charge, Research
Addl. Controller of Examinations

N.B. You are requested to send the evaluation report along with the filled up Remuneration Bill enclosed herewith.



IFTM UNIVERSITY

(Established under U.P. Govt. Act No. 24 of 2010 and approved under section 22 of UGC Act 1956)

Lodhipur Rajput, Delhi Road (NH-24),
MORADABAD-244 102 (U.P.) INDIA

Mr. Puneet Khanna
SET, Dept. of ECE,
IFTM University
Moradabad
E-Mail Id: puneetkhanna2k2@gmail.com

Date: 12/8/2015

Subject: Decisions of RDC (ECE) Meeting held on June 08, 2015.

Research Topic : "Some Study on Wide Band Microstrip Antennas"

Sir,

In reference to the submission of your report in the RDC, the recommendation of RDC in your case is given below:

- **Progress:** Satisfactory,
- **Modified Topic:** "Design of defected microstrip patch antennas for practical application"
- Request for change of Co-Supervisor from Dr. D K Srivastava to Dr. Kshitij Shinghal is approved and resubmit the synopsis on modified topic forwarded by supervisor/s latest by 30th August, 2015.

You are requested to please take further necessary action as per the recommendation & suggestions of RDC, last attended (if any) and please refer the following points:

- RDC/DRC Reported/attended: 3 (three),
- Course Work Status: Qualified

Yours faithfully,

(Dr. A K Ghosh)

Addl. Controller of Examinations

Copy forwarded for information and necessary action to :

1. **Supervisor** : Dr. Arun Kumar, Prof./Dean, SET, IFTM University, Moradabad
2. **Co-Supervisor** : Dr. Kshitij Shinghal, Associate Prof., MIT, Moradabad
3. **Convener:** ECE, IFTM University, Moradabad.

(Dr. A K Ghosh)

Addl. Controller of Examinations

Note: For any query related to PhD you may contact on research@iftmuniversity.ac.in.

20
10



विद्या-वाचस्पति

प्रमाणित किया जाता है कि फरवरी, 1995 में "इफेक्ट ऑफ कम्पोजिशन ऑन थर्मल ऑप्टिकल एण्ड स्ट्रक्चरल प्रोपर्टीज ऑफ Te-Bi-Se ग्लास सिस्टम" पर शोध-प्रबंध स्वीकृत हो जाने के उपरांत मनीषा सक्सेना को 1995 के दीक्षान्त-समारोह में इस विश्वविद्यालय की विद्या-वाचस्पति की उपाधि प्रदान की गई।

University of Delhi DOCTOR OF PHILOSOPHY

This is to certify that Manish Saxena after approval of his/her thesis on "Effect of Composition on Thermal Optical and Structural Properties of Te-Bi-Se Glass System" in February, 1995, has been admitted to the degree of Doctor of Philosophy in this University at the Convocation held in 1995.



Skwasan
कुल-सचिव,
दिल्ली विश्वविद्यालय
Registrar,
University of Delhi.

दिल्ली, दिनांक 6 अगस्त, 1995
Delhi, dated the 6th August, 1995

Vijendra Malhotra
कुलपति,
दिल्ली विश्वविद्यालय
Vice-Chancellor,
University of Delhi.

TRUE COPY
ATTESTED
[Signature]
TO MORABAD.



SINGHANIA UNIVERSITY

(Established U/S 2(f) of UGC Act. 1956)

Pacheri Bari (Raj.) 333515

Ph.: 01593-271299/300, Fax: 01593-271003

website: www.singhaniauniversity.co.in

Ref. No.: SU/R&D/N/09/458

Dated: 10 Dec, 2009

To
Dr. Manish Saxena

Subject: Registration for Ph.D. Degree

Dear Sir/Madam,

This is in reference to the proposal submitted by Shilpa Vishnoi registration for Ph.D. degree. We are pleased to inform you that the said candidate has been registered for Ph.D. degree with the University and shall be governed by the academic regulations of the university.

Thesis Topic: "Thermal, Structural and Optical Investigation of Te-Se Based Glasses for Phase Change Optical Recording Devices."

Registration No.: 0950103598

With kind regards,


Academic Incharge

Academic Incharge
SINGHANIA UNIVERSITY
Pacheri Bari, Dist. Jaunpur
Rajasthan

CC:

1. Registrar Office
2. Shilpa Vishnoi

Note:-

The Candidate is Required to Submit the following at the time of submission of the thesis:

- Five Typed or printed copies of the thesis along with the soft copy in CD
- Three Copies of approved synopsis along with the soft copy in CD
- Seven typed or printed copies of the abstract of the thesis in the form of an article not exceeding, 5000 words for publication.
- Two papers to be published compulsorily in reputed International Journals, copy needs to be enclosed.
- A Certificate from the supervisor stating that the candidate has put in the required attendance and the thesis is based on the candidate's own work.



SHRI VENKATESHWARA UNIVERSITY

(A University established vide U.P. Govt. Act No. 26 of 2010 of the Government)
F.No.-1106/79-V-110-1 (Ka) 23-2010 and is approved under section 2f of UGC Act 1956
www.svu.edu.in

Ref. No. – SVU/RDC/01000

15th March, 2012

SUNITA CHAWLA
S/D/o GIAN CHAND CHAWLA
113, STARLIFE APARTMENT, SEC-14, EXTN. ROHINI
DELHI - 110015, DELHI

Subject – Ph.D. Registration

Dear Scholar,

With reference to the above mentioned subject and after approval of research development committee meeting, you are hereby informed that you are registered as research scholar with following details :

NAME	SUNITA CHAWLA
FATHER'S NAME	GIAN CHAND CHAWLA
REGISTRATION NO	SVU/RDC/10041/0037
DATE OF RDC	15-03-12
FACULTY	SCIENCE & TECHNOLOGY
SUBJECT	PHYSICS
APPROVED TITLE	A STUDY OF COMPOSITIONAL DEPENDENCE ON PHYSICAL PROPERTIES OF CHALCOGENIDE CLASSES
NAME OF GUIDE	Dr. DR. MANISH SAXENA

Your registration is subject to the fulfilment of your eligibility documents submitted for admission as per Ordinance of Doctor of Philosophy and SVU Act, 2010. You should follow all instructions provided by the University from time to time and you are instructed to submit the following :

1. Half yearly progress report
2. Summary
3. Two National/International Seminar Certificates
4. Two Articles in National / International Journals
5. 5 Sets of Thesis with CD

Copy to-

1. Registrar
2. Scholar
3. Scholar file



Campus : NH-24, Rajapur, Gairaula, Dist. J.P. Nagar (U.P.) Ph. +91-9897209911 /9897219911 /9897229911
Head Office : 208A, Saket Meerut (U.P.) Ph: 0121-4006862 / +91-9412108616
Ext. Office : Venkateswara Group NH-58, Delhi Roorkee Bypass, Jatoli Meerut Ph.: +91-8859500741/43

Serial No.: } 14Ph.D.47
क्रम संख्या : }

Registration No.: } 2K8-Ph.D-ME-93
पंजीकरण संख्या : }

National Institute of Technology, Hamirpur (Himachal Pradesh)

Upon the recommendation of the Senate hereby confers the degree of

Doctor of Philosophy

in

Mechanical Engineering

on

NITIN AGARWAL

THESIS TITLE: DESIGN AND OPTIMIZATION OF RENEWABLE ENERGY BASED OFF-GRID HYBRID POWER GENERATION SYSTEM FOR RURAL ELECTRIFICATION IN INDIA

Given this day, the 17th of December 2014 under the seal of the Institute at Hamirpur in the Republic of India.

राष्ट्रीय प्रौद्योगिकी संस्थान, हमीरपुर (हिमाचल प्रदेश)

अभिषद की अनुशंसा पर

विद्या वाचस्पति की उपाधि

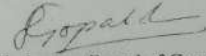
यांत्रिकी अभियांत्रिकी एतद्वारा

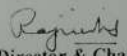
नितिन अग्रवाल

को प्रदान करता है।

शोधप्रबन्ध शीर्षक: डिजाईन ऑप्टिमाइजेशन ऑफ रिन्यूएबल एनर्जी बेसड ऑफ-ग्रिड हाईब्रिड पॉवर जेनरेशन सिस्टम फॉर रूरल इलेक्ट्रिफिकेशन इन इंडिया

भारतीय गणराज्य के अन्तर्गत हमीरपुर, (हि.प्र.) में आज, दिनांक 17 दिसम्बर 2014 को संस्थान की मुद्रा अंकित यह उपाधि दी गई।


Chairman, Board of Governors
अध्यक्ष, अभिशासक परिषद्


Director & Chairman, Senate
निदेशक एवं अध्यक्ष, अभिषद


Registrar
कुलसचिव



Self attested
Nitin Ag
06.09.15
(Dr. Nitin Agarwal)

Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh

(Formerly U.P. Technical University)

Institute of Engineering & Technology Campus, Sitapur Road, Lucknow-226021

Phone – (0522) 2732193, Fax - 2732185

Ref. No.: AKTU/DPGO/Ph.D./2016/ME/1955/ 2617

Dated: 16 October, 2016

To

The Director/Principal,
NIET, Greater Noida

Subject: Regarding pre-Ph.D. Courses of Mr./Ms. Arvind Kumar Singh
Enrollment no: (Ph.D./15/ME/1955)

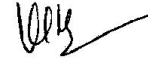
Dear Sir/Madam,

This is to inform you that as per the suggestion of RDC, Mr./Ms. Arvind Kumar Singh is required to complete the following Pre Ph.D. courses:

1. Research Process & Methodology.
2. Advance Heat and Mass Transfer.
3. Renewable Energy System/ Solar Energy and its Applications.

You are requested to allow the candidate to complete above courses from your Institution/College and direct the concerned officials for the needful.

Yours faithfully



(Prof. Virendra Pathak)
Associate Dean
PG Studies & Research

Endt. no. & Date : As above.

Copy for information and necessary action:

1. Mr./Ms. Arvind Kumar Singh, D-75, C/O Shobha Sharma D-75
Avantika Colony MDA Moradabad
2. Dr. Nitin Agarwal, Dept. of Mechanical Engineering, MIT, Moradabad
(Ph.D. Supervisor).

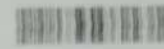
(Prof. Virendra Pathak)
Associate Dean
PG Studies & Research

E-mail: research@aktu.ac.in

Website : www.aktu.ac.in

मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद

विद्या परिषद् की अनुशंसा पर



पारुल गुप्ता

को

नवम्बर २०१४ में शोध-प्रबंध के सफल पक्षपोषण के उपरान्त

डॉक्टर ऑफ फिलॉसफी

की संस्थान मुद्रा अंकित उपाधि समस्त सम्मानों, विशेषाधिकारों व दायित्वों के साथ आज २८ मार्च २०१५ को इलाहाबाद (भारत) में प्रदान करता है

Motilal Nehru National Institute of Technology Allahabad

*on the recommendation of the Senate
hereby confers on*

PARUL GUPTA

*on successful defence of the thesis in November 2014
the Degree of*

Doctor of Philosophy

*with all Honours, Privileges and Obligations thereunto pertaining on this
day the 28th March 2015, under Seal of the Institute at Allahabad (INDIA).*

**Thesis: Studies on Various Aspects of Customer Satisfaction Evaluation of Indian Service
Industries**



अध्यक्ष, प्रशासकीय परिषद्
Chairperson, Board of Governors

अध्यक्ष, विद्या परिषद्
Chairman, Senate

CR3-3.1.2 E-copies of letters of recognized research guides by University:

Note: We have given only six recognized research guides by University in 3.3.1.2 these guides are:



IFTM UNIVERSITY

Established under U.P. Govt Act No 24 of 2010 and approved under section 22 of UVC, Act 1956

Lodhipur Rajput, Delhi Road (NH-24),
MORADABAD-244 102 (U.P.) INDIA

Date of Provisional Registration: May 28, 2015

Date: 24/07/2015

Mr. Mohd. Javed
H.No.- 509 KH, Barvalan Street
Near Nal Wali Masjid, Moradabad- 244001
E-Mail Id: mjaved936@gmail.com

Subject: Research Degree Committee (RDC) decisions.
Topic of Research : "Study & Analysis of Customer satisfaction: A case Study in Indian Service Industry"

Dear Sir,

Please refer to your application dated April 30, 2015 for admission in Ph.D. (Mechanical Engineering). The RDC has taken following decision in the meeting dated May 28, 2015.

		Decision
1.	Topic of Research (Modified) : "Study and Evaluation of Various Gaps of Service Quality and Customer Satisfaction in Four Wheeler Automobile Service Industry"	Approved
2.	Supervisor : Dr. Parul Gupta, Associate Professor, MIT, Moradabad	Approved
3.	Co-Supervisor : Dr. Vishal Saxena, Professor, SET, IFTM University, Moradabad	Approved
4.	Place of Research : IFTM University, Moradabad	Approved
5.	Course work Allotted : Paper I : Research Methodology, Quantitative Methods and Computer Application. Paper II : Literature Review related to topic of Research.	

You are requested to submit four copies of revised brief synopsis (as per the modified topic) duly signed by the supervisor latest by August 20, 2015.

Yours faithfully,

(Dr. A K Ghosh)

Addl. Controller of Examinations

Copy forwarded for information and necessary action to:

- ✓ Supervisor : Dr. Parul Gupta, Associate Professor, MIT, Moradabad
2. Co-Supervisor : Dr. Vishal Saxena, Professor, SET, IFTM University, Moradabad
3. Convener : Mechanical Engg., IFTM University, Moradabad

(Dr. A K Ghosh)

Addl. Controller of Examinations

Note: For any query related to PhD you may contact on research@iftmuniversity.ac.in.