

PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

NOTIFICATION

Dated: 26-5-10

Result Notification: PTU/2010/62 for the Ph. D. Examination 2010.

In consequent to having fulfilled the required criteria and on recommendation of the Academic Council, the Board of Governors, PTU has approved award of degree of Doctor of Philosophy (Ph. D.) to the student of this University in Faculty of Engineering.

| Regd. No. | Name | Father's Name | Year of Enrolment | Name & Address of the Research Supervisor |
|-----------|--|----------------------|-------------------|---|
| 05.19.04 | Balkar Singh, Dy. Dean, PTU, Jalandhar | Sh. Gurmail Singh | 2004 | Dr. Vijay Kumar Jodan, Asstt. Prof. Deptt. of Mechanical Engg., TIET, Patiala (Guide) Dr. Sehajpal Singh, Prof. Mechanical Engg. GNDEC, Ludhiana |

Title of the Thesis: "Nonlinear transient analysis of flexible non-recessed hybrid journal bearing using finite element modeling"

Buta Singh
26/5/10
Dr. Buta Singh
(Dean Academics)

Nachhattar Singh
Dr. Nachhattar Singh
(Dean Examination)

Registrar
Registrar

[Signature]
DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar
[Signature]



Roll No.: 92

Regd. No.: 93 X /A.715

The Senate of
GURU NANAK DEV UNIVERSITY

have conferred upon

HARMEEN KAUR

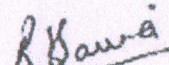
son/daughter of

HARBHAJAN SINGH SOCH

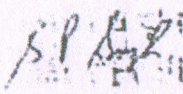
the degree of
Doctor of Philosophy

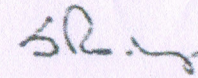
in the faculty of

ECONOMICS & BUSINESS (MANAGEMENT)

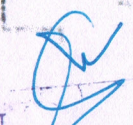

Registrar





Vice-Chancellor


Chancellor

Amritsar April 21, 2005


DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar


Head
Department of Management
IKG Gujral Punjab Technical University
Kapurthala-144 603

251

2.4.2

31



Roll No.: 59

Regd No.: 94.REJ/A.275

The Senate of
GURU NANAK DEV UNIVERSITY

have conferred upon

MONIKA SACHDEVA

son/daughter of

SAT PAUL SACHDEVA

the degree of
Doctor of Philosophy

in the faculty of

ENGINEERING & TECHNOLOGY (COMPUTER SC. & ENGG.)

Registrar

Vice-Chancellor

Chancellor

Amritsar : September 3, 2012

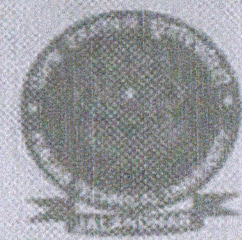
Annexure -
2.4.2

PHD 2.4.2
Certificate

DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar

Shro w

ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ
PUNJAB TECHNICAL UNIVERSITY




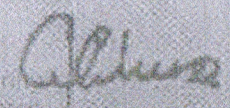
Doctor of Philosophy

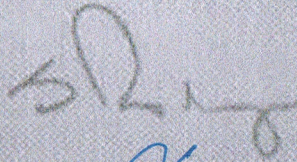
This is to certify that **Yadwinder Singh Brar** Son of **Shri Gurdev Singh**, and of the Faculty of Engineering, has been awarded the Degree of Doctor of Philosophy (**Electrical Engineering**) of this University in 2005.

The topic of his Thesis was **Economic Dispatch of Electric Power System with Conflicting Objectives.**

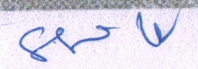
Given under the seal of the University


REGISTRAR
16 Feb 2005


VICE-CHANCELLOR


CHANCELLOR

DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar



5

Serial No. 101314

Enrolment No. 069503

भारतीय प्रौद्योगिकी संस्थान रुड़की

अभिवद् की अनुसंधान पर
डॉक्टर ऑफ़ फ़िलॉसफी
की उपाधि

विकास चावला

को, जिन्होंने इस उपाधि को अर्जित हेतु विनिर्दिष्ट अपेक्षाओं को सन् 2010 में सफलतापूर्वक पूरा कर लिया है, फ़ादराना प्रदान करता है।
शोध प्रबन्ध शीर्षक: हाट कोरोजन एण्ड इरोजन बीहेवियर ऑफ़ नैनोस्ट्रक्चर्ड एण्ड कान्वेन्शनल कोटिंग्स
भारतीय गणराज्य के अन्तर्गत रुड़की में आज, दिनांक 13 नवम्बर 2010, संस्थान की मुद्रा अंकित यह उपाधि दी गई।

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

On the recommendation of the Senate hereby confers the degree of

Doctor of Philosophy


upon

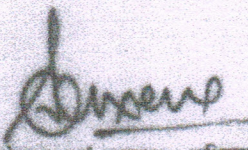
VIKAS CHAWLA

who has successfully completed in the year 2010 the requirements prescribed under the regulations for the award of this degree

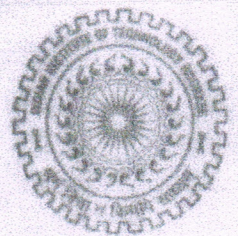
Thesis Title: HOT CORROSION AND EROSION BEHAVIOUR OF NANOSTRUCTURED AND CONVENTIONAL COATINGS

Given this day, the 13th of November 2010, under the seal of the Institute at Roorkee in the Republic of India.


अध्यक्ष, अभिचारक परिषद्
Chairman, Board of Governors


निदेशक एवं अध्यक्ष, अभिवद्
Director & Chairman, Senate


कुलसचिव
Registrar



DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar

(6)

प्रविष्टि संख्या/Entry No. 2002RME022

भारतीय प्रौद्योगिकी संस्थान दिल्ली

अभिषद की अनुशंसा पर

विद्या वाचस्पति

की उपाधि एतद्वारा

नील कंठ ग्रोवर

को प्रदान करता है।

शोध-प्रबन्ध शीर्षक : न्युमेरिकल स्टडीज़ ऑन मल्टीकम्पोनेन्ट ड्रॉपलेट इवैपोरेशन ऐन्ड कम्बुश्न ऐट नार्मल ऐन्ड हाई ऐम्बिएन्ट प्रेसर्स ।
भारतीय गणराज्य के अन्तर्गत दिल्ली में आज, दिनांक 7 अगस्त 2010 को संस्थान की मुद्रा अंकित यह उपाधि दी गई।

Indian Institute of Technology Delhi

Upon the recommendation of the Senate hereby confers the degree of

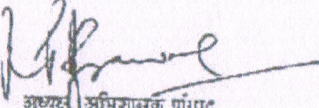
Doctor of Philosophy

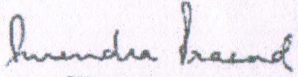
on

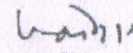
NEEL KANTH GROVER


Thesis title : NUMERICAL STUDIES ON MULTICOMPONENT DROPLET EVAPORATION AND COMBUSTION AT NORMAL AND HIGH AMBIENT PRESSURES.

Given this day, the 7th of August 2010, under the seal of the Institute at Delhi in the Republic of India.


अध्यक्ष, अभिरक्षक पौगण्ड
Chairman, Board of Governors


निदेशक एवं अध्यक्ष, अभिषद
Director & Chairman, Senate


कुलसचिव
Registrar


DEAN
R&D Deptt.
IITG Punjab
Jalandhar



7

Punjab University

Doctor of Philosophy

(In the faculty of Science)

Roll No. 1773



(14)

Certified that Ashish Arora, Regd. No. 2005-ez-48,
son of Shri Krishan Arora, and of
the Punjab State, has obtained the degree of Doctor of Philosophy
of this University on the result of the examination held in 2010.

Given under the seal of the University

A. K. Bhambhani
Controller of Examinations

S. S. Ban
Registrar

Chandigarh, March, 21, 2010



[Signature]
Head
Department of Mathematical Sciences
J.K. Gujral Punjab Technical University
Kapurthala-144003 P.B. (India)

[Signature]
Vice Chancellor
[Signature]
Chancellor

DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar

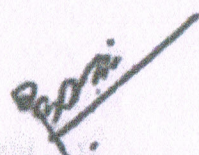
ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ
Punjab Technical University
 Jalandhar

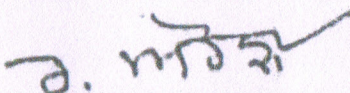


Doctor of Philosophy

The Board of Governors of Punjab Technical University, Jalandhar upon the recommendation of the Academic council hereby confers on Mr. Amit Sarin Son of Sh. Madan Lal Sarin Degree of Doctor of Philosophy in the faculty of Applied Sciences. The subject on which He presented the thesis for the Degree was " Study of Metallic and Organic Contaminants on Bio Diesel Stability and Physico - Chemical Properties "

Given under the seal of the University


 ਰਜਿਸਟਰਾਰ
 Registrar
 Jalandhar, 16/08/11


 ਵਾਈਸ-ਚਾਂਸਲਰ
 Vice-Chancellor


 ਚਾਂਸਲਰ
 Chancellor

DEPT. OF PHYSICAL SCIENCES
 Punjab Technical Univ.
 IKG Punjab Technical Univ.



Regd No.: 95 DA/A-935

Roll No.: 43

The Senate of
GURU NANAK DEV UNIVERSITY

have conferred upon

GAURAV BHARGAVA

son/daughter of

HIRA LAL BHARGAVA

the degree of
Doctor of Philosophy

in the faculty of

APPLIED SCIENCES (APPLIED CHEMISTRY)

R. Bania

Registrar

Sai. Rup Singh

Vice-Chancellor

[Signature]

[Signature]

Chancellor

Amritsar : September 4, 2007

DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar

महर्षि दयानन्द विश्वविद्यालय

विश्वविद्यालय
मुम्बई

प्रमाणित किया जाता है कि सतीश सिंह
सुपुत्र/सुपुत्री श्री मोहि सिंह
को इलेक्ट्रॉनिक्स एंड कम्युनिकेशन विषय में
डॉक्टर ऑफ फिलॉसफी का उपाधि प्रदान की जाती है।
यह प्रबन्ध का विषय "प्रकार-1 और प्रकार-2 फजी प्रणाली के विकास की
जांच" है।

अधिसूचना का दिनांक 04.04.2011

Maharshi Dayanand University

This is to certify that Sateish Singh
son/daughter of Shri Mohinder Singh
is hereby awarded the degree of Doctor of Philosophy in the subject of
Electronics & Communication
Title of Thesis "Investigations in Evolution of Type-1 and
Type-2 Fuzzy Systems."

Date of completion 04.04.2011

Bhim Singh

परीक्षा नियंत्रक

Controller of Examinations

कुलाधिपति

सहायक, शिक्षा कार्य २५, २००२

Respected, dated 10/04/2011

(विश्वविद्यालय के मुख्यालय द्वारा जारी)
"Given under the seal of the University"

.....
कुलाधिपति

Vinod Kumar

Jagannath Singh

कुलाधिपति

V. K. Singh



DEAN

R&D Deptt.

IKG Punjab Technical Univ.
Jalandhar

Punjab University

Doctor of Philosophy

(In the Faculty of Science)

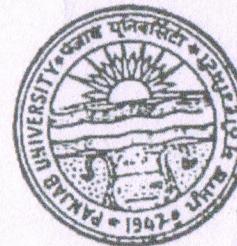
Certified that Hitesh Sharma, Regd. No. 96-phy-39,
son of Shri Buni Chand, and of the Himachal Pradesh,
has obtained the degree of Doctor of Philosophy of this
University on the result of the examination held in 2005.

Given under the seal of the University

Sodh
Controller of Examinations

Paramjit Singh
Registrar

Chandigarh, February 7, 2005



Ka Pathak
Vice-Chancellor

[Signature]
CHANCELLOR
DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar

[Signature]
Department of Physical Sciences
IKG Punjab Technical Univ.
Jalandhar

345



Page No. 88-4-283

कुरुक्षेत्र - विश्वविद्यालयः

डाक्टर ऑफ़ फिलॉसॉफी

इदमत्र प्रमाणितयते तस्य रामबीर सिंह

पति गुरुता राम महोदयस्य पुत्र/पुत्री 2004

तत्तु संवत्सरे आठौंजी एवं प्रबन्धन एवं वित्त विभाग

विश्वविद्यालयस्य इंजिनियरिंग एवं टेक्नोलॉजी डिपार्टमेंट विभाग

डाक्टर ऑफ़ फिलॉसॉफी इत्युपाधिमा अर्जितकृत/कृतकृता इति।

अस्य/अस्याः शोध प्रबन्धस्य विषयः "पब्लिक रिलेशन्स में जन-सम्पर्क की

भूमिका: चर्चा" उपर्युक्त सार एवं अध्ययन " इत्यासीत्।

Kurukshetra University

Doctor of Philosophy

This is to certify that Rambeer Singh
 son/daughter of Shri. Gurta Ram and
 of the Faculty of Commerce And Management has been awarded
 the Degree of Doctor of Philosophy (Commerce And Hotel Management)
 of this University, in 2004.

The topic of his/her Thesis was, "Role of Public Relations
 In Tourism Development (A Study of Selected Undertaking)"

Official

Prin

AKK

Signature

Signature

Signature

Kurukshetra, India, 8 May, 2004

DEAN
 R&D Deptt.
 IKG Punjab Technical Univ.
 Jalandhar

13

I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

Ph.D NOTIFICATION

Endst. No. IKGPTU/Ph.D/ 347

Dated: 17/2/18

Notification: IKGPTU/2018/388 for the Ph.D degree award

With the approval of competent authority, the IKG PTU notifies for the award of Ph.D degree to
Mr/Ms. Gagandeep Kaur S/D/o Gurbinder Singh, Regd. No. J204005 in the faculty of Engineering
(Electrical Engineering).

| Year of Enrolment | Date of Viva-voce | Title of the Thesis | Name & Address of the Research Supervisor |
|-------------------|-------------------|---|--|
| 2012 | 01/02/2018 | A NOVEL APPROACH TO PLAN FOR BIOMASS BASED DISTRIBUTED GENERATION | Dr. Ashwinder Singh Asst. Professor & Head, Department of Electrical Engineering, I. K. Gujral Punjab Technical University, Kapurthala. Dr. U. P. Kothari, Former Director, Indian Institute of Technology Delhi. |

The final degree will be conferred in the annual convocation of the University.

Dean (R&D)

Controller of Examination

Head
Department of Electrical Engineering
I.K. Gujral Punjab Technical University

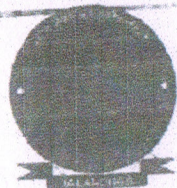
DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar

EDP S. No.: 6000000099

Regn. cum Roll No. _____

02.29.08

ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ
Punjab Technical University
Jalandhar



Doctor of Philosophy

The Board of Governors of Punjab Technical University, Jalandhar upon the recommendation of the Academic council hereby confers on Mr/Ms Avtar Singh Buttar Son/Daughter of Sh. Bachan Singh Degree of Doctor of Philosophy in the faculty of Electronics & Comm. Engineering. The subject on which He/She presented the thesis for the Degree was "Computational Intelligent Techniques for Optimization of Frequency assignment Problem in Cellular System."

Given under the seal of the University

ਸਾਹਿਬਜ਼ਾਦਾ
Registrar

Jalandhar, 12/08/2014

ਵਾਈਸ-ਚਾਂਸਲਰ
Vice-Chancellor

ਚਾਂਸਲਰ
Chancellor

DEAN
R&D Deptt.

IKG Punjab Technical Univ.
Jalandhar

Serial No. 131885

Enrolment No. 09914030

भारतीय प्रौद्योगिकी संस्थान रुड़की

अभिषद् की अनुमति पर

विद्या वाचस्पति

की उपाधि

राजीव चौहान

को, जिन्होंने इस उपाधि की अर्वापि हेतु विनियम विहित अपेक्षाओं को सन् 2013 में सफलतापूर्वक पूरा कर लिया है, पत्रद्वारा प्रदान करता है।

शोध प्रबन्ध शीर्षक: स्टडी ऑन लिक्विफैक्शन बिहेवियर ऑफ रीनफोर्सड सैंड

भारतीय गणराज्य के अन्तर्गत रुड़की में आज, दिनांक 21 सितम्बर 2013, संस्थान की मुद्रा अंकित यह उपाधि दी गई।

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

On the recommendation of the Senate hereby confers the degree of

Doctor of Philosophy

upon

RAJIV CHAUHAN

who has successfully completed in the year 2013 the requirements prescribed under the regulations for the award of this degree

Thesis Title: STUDY ON LIQUEFACTION BEHAVIOUR OF REINFORCED SAND

Given this day, the 21st of September 2013, under the seal of the Institute at Roorkee in the Republic of India.

Sanjay Singh

अध्यक्ष, अभिशासक परिषद्
Chairman, Board of Governors

B. Singh

निदेशक एवं अध्यक्ष, अभिषद्
Director & Chairman, Senate

[Signature]

कुलसचिव
Registrar



DEAN

R&D Deptt

Department of Civil Engineering

IKG Punjab Technical Univ

Jalandhar

Kapurthala-144603

Head

Punjab University

Doctor of Philosophy
(In the Faculty of Science)

Certified that Mukta Sharma, Regd. No. 97-gd-6,
daughter of Shri Rabinder Sharma, and of the Punjab
State, has obtained the degree of Doctor of Philosophy of
this University on the result of the examination held in 2008.

Given under the seal of the University

A. K. Bhandari
Controller of Examinations

Sanjay S. Bani
Registrar

Chandigarh, June 7, 2008



Rabinder Sobti
VICE-CHANCELLOR

Director
I.K.G.P.T.U.
Mohali Campus-II

Chancellor

DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar

28



Regd No.. 2001.F.T/A.82

Roll No.: 20

The Senate of
GURU NANAK DEV UNIVERSITY

have conferred upon

DALVEER KAUR

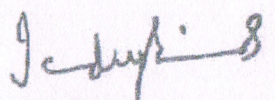
HARBHAJAN SINGH DOGRA

son/daughter of

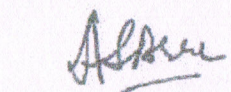
the degree of
Doctor of Philosophy

in the faculty of

ENGINEERING & TECHNOLOGY (ELECTRONICS TECHNOLOGY)



Registrar



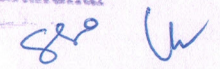
Vice-Chancellor



Chancellor

Amritsar : February 19, 2010

DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar



IKG Punjab Technical Univ.
Jalandhar
Office of the Registrar
Amritsar

Punjab Technical University

Jalandhar



Doctor of Philosophy

The Board of Governors of Punjab Technical University, Jalandhar, upon the recommendation of the Academic Council hereby confers on Mr. Ms. Deepika Bhatta Son/Daughter of Sh. Hardev Singh Chahra Degree of Doctor of Philosophy in the faculty of Electrical Engineering. The subject on which He/She presented the thesis for the Degree was "Identification of Transformer Incipient Faults using Artificial Intelligence Techniques".

Given under the seal of the University

Registrar

Jalandhar, 12/08/2014

Vice-Chancellor

Chancellor

DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar

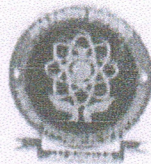
SKW

20

EDP S. No. : 800000103

Degree Roll No.

ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ
Punjab Technical University
 Jalandhar



Doctor of Philosophy

The Board of Governors of Punjab Technical University, Jalandhar upon the recommendation of the Academic council hereby confers on Mr./Ms Anshu Oberoi Son/Daughter of Sh. B. L. Oberoi Degree of Doctor of Philosophy in the faculty of Computer Science and Engineering. The subject on which He/She presented the thesis for the Degree was " Quality of Service (QoS) in IP over WDM for Optical Networks. "

Scanned by CamScanner

ਰਜਿਸਟਰਾਰ
Registrar

Jalandhar, 12/08/2014

Given under the seal of the University

ਵਾਈਸ-ਚਾਂਸਲਰ
Vice-Chancellor

ਚਾਂਸਲਰ
Chancellor

DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar

Serial N^o S9271

Roll No. 2413

Registration No. PUP(PH.D)2010-132

Punjabi University Patiala



(Established under Punjab Act No. 35 of 1961)

Doctor of Philosophy

Certified that Vanja, son/daughter
of Shri Dagdeep Kumar and Smt. Vijay Taxmi,
of the Punjab State
has this day been admitted by the Senate in the degree of

Doctor of Philosophy

in

Image Retrieval Using Radial Moments

in the faculty of

Physical Sciences

Given under the seal of the University.

DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar

REGISTRAR
PATIALA May 6, 2013

CHANCELLOR

VICE-CHANCELLOR

25



I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY,
JALANDHAR

Ph.D NOTIFICATION

Endst. No. IKGPTU/Ph.D/841

Dated: 28/1/20

Notification: IKGPTU/2020/771 for the Ph.D degree award

With the approval of competent authority, I. K. Gujral Punjab Technical University notify the award of Ph.D degree to Mr/Ms. Gazal Sharma S/D/o Shashi Pal Sharma, Regd. No. 1115007 in the faculty of Life Sciences (Biotechnology). This notification is issued on 28/1/20 after completion of thesis work and successfully defended his/her case during presentation among expert panel of university.

| Year of Enrolment | Date of Viva-voce | Title of the Thesis | Name & Address of the Research Supervisor |
|-------------------|-------------------|--|---|
| 2011 | 23/12/2019 | EVALUATION OF PHYSIOCHEMICAL PROPERTIES AND STABILITY OF L-ASPARAGINASE LOADED SOLID LIPID NANOPARTICLES | Dr. A.P. Singh (Administrative Guide), Dean (R&D), I. K. Gujral Punjab Technical University, Kapurthala Dr. Amit Kumar Goyal Professor, Dept of Pharmacy, Central University, Rajasthan. |

Final degree will be conferred in the annual convocation of the University.

A. Singh
Dean (R&D)

[Signature]
Controller of Examination

[Signature]
Registrar

Head
Deptt. of Food Science & Technology
I.K. Gujral Punjab Technical University
KAPURTHALA

DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar



Registration No.7163-PG-2005

स्नातकोत्तर चिकित्सा शिक्षा एवं अनुसंधान संस्थान चण्डीगढ़ - 160 012 (भारत)

प्रमाणित किया जाता है कि शबीर सिद्धु को फरवरी, 2010 की परीक्षा में उपाधि के योग्य सिद्ध होने पर डॉक्टर ऑफ फिलासफी (पीएच.डी.) की उपाधि से विभूषित किया जाता है।

थीसिस का विषय: "इफैक्ट ऑफ मेलोटोनिन, रोसीग्लाइटाजोन एण्ड एम्बलिका ऑफिसिनलिस ऑन पैंक्रियाटिक रीजेनरेशन इन रैट मॉडल ऑफ एक्यूट पैंक्रियाटाइटिस"

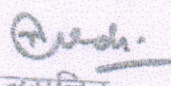


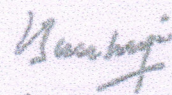
POSTGRADUATE INSTITUTE OF MEDICAL EDUCATION & RESEARCH,
CHANDIGARH - 160012 (INDIA)

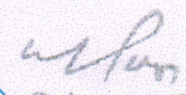
This is to certify that SHABIR SIDHU having been found qualified in the examination held in **FEBRUARY, 2010** for the Degree of **DOCTOR OF PHILOSOPHY (Ph.D.)** has been duly admitted to the said degree.


Subject of thesis:

"EFFECT OF MELATONIN, ROSIGLITAZONE AND EMBLICA OFFICINALIS ON PANCREATIC REGENERATION IN RAT MODEL OF ACUTE PANCREATITIS".


कुलसचिव
REGISTRAR


संकायाध्यक्ष
DEAN


निदेशक
DIRECTOR


PRESIDENT

दिनांक :
Dated : 4th February 2011

DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar
Deptt. of Food Science & Technology
Jalandhar
IKG Punjab Technical University
JALANDHAR
KAPURTHALA

U/oblation

Punjab University

Roll No. 1359



Doctor of Philosophy

(In the faculty of Business Management & Commerce)

Certified that Mandeep Kaur, Regd. No. 2005-ez-99, daughter of Shri Jaswant Singh, and of the Punjab State, has obtained the degree of Doctor of Philosophy of this University on the result of the examination held in 2012.

Given under the seal of the University

Controller of Examinations



Vice Chancellor

Chancellor

Registrar

Chandigarh, September, 17, 2012

DEAN
R & D Deptt.
IKG Punjab Technical Univ.
Jalandhar

Head
Department of Management
I.K. Gujral Punjab Technical University
Kapurthala-144 603

25



Roll No.: 71001400011

Regd No.: 2000.MJ/A.557

The Senate of
GURU NANAK DEV UNIVERSITY

have conferred upon

POOJA MEHTA

son/daughter of SURINDER KUMAR MEHTA

the degree of
Doctor of Philosophy

in the faculty of ECONOMICS & BUSINESS (BUSINESS ADMINISTRATION)

DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar

Professor Incharge (Examinations)

Amritsar : June 25, 2014

Registrar

Vice Chancellor

Chancellor

255

Head
Department of Management
I.K. Gujral Punjab Technical University
Kapurthala-144 603

Roll No.: 102



Regd No: 98 EDC/A 102

The Senate of
GURU NANAK DEV UNIVERSITY

have conferred upon

ROOPALI SAINA

son/daughter of

J.R. SAINA

the degree of
Doctor of Philosophy

in the faculty of

ECONOMICS & BUSINESS (BUSINESS ADMINISTRATION)

J. Saini
Registrar

A. Saini
Vice-Chancellor

[Signature]
Chartered

Amritsar: March 3, 2014

[Signature]

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[Signature]
Head
Department of Management
I.K. Gujral Punjab Technical University
Kapurthala-144 603

[Signature]
DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar
cf2 Un

27

Serial No. PH-0070

Registration No. PED 1105

Sant Longowal Institute of Engineering and Technology
(Deemed University, Under MHRD, Govt. of India)
Longowal, Distt. Sangrur (Punjab) -148106

Upon recommendation of the Senate hereby confers the degree of

Doctor of Philosophy

on

RAJPREET KAUR

Daughter of Sh. RAM ASRA SINGH

THESIS TITLE: **WORK AND FAMILY LIFE BALANCE AMONG POLICE PERSONNEL: A CASE STUDY OF PUNJAB POLICE**

Given this day, the 7th April, 2017, under the seal of the Institute at Longowal in the Republic of India

संत लौंगोवाल अभियांत्रिकी एवं प्रौद्योगिकी संस्थान

कर्मचारी के अग्रिम पर

विद्या वाचस्पति

के अध्यक्ष पद पर

राजप्रीत कौर

पुत्री श्री राम आसरा सिंह

का पदम लेते।

शोध प्रबन्ध शीर्षक : वर्क एंड फैमिली लाइफ बैलेंस अमोंग पुलिस पर्सनल : ए केस स्टडी ऑफ पंजाब पुलिस
मान जौन मन हो नकार नमस्त को भारतीय गणराज्य के जौन लौंगोवाल में भित्त भेजवन को मुदा अधिकतम तह उपलब्ध पदम को बने।

DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar

Head
Department of Management
I.K. Gujral Punjab Technical University
Kapurthala-144 603



Director & Chairman, Senate

Chairman, Board of Management

258

78

28



Panjab University

Doctor of Philosophy

(In the faculty of Science)

Roll No. 2825



Certified that
daughter of Shri

Megha Goyal

. Regd. No. 06-math-44

Rakesh Goyal

. and of

the Punjab State

. has obtained the degree of Doctor of Philosophy

of this University on the result of the examination held in 2014

Given under the seal of the University

Controller of Examinations

Registrar



Vice Chancellor

Chancellor

Chandigarh. May. 27, 2014

DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar

Department of Mathematical Sciences
IKG Punjab Technical University
Kapurthala-144603 Pb. (India)

EDP S. No.: 600000055

Regn. cum Roll No. 04.19.05

ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ
Punjab Technical University
Jalandhar



Doctor of Philosophy

The Board of Governors of Punjab Technical University, Jalandhar upon the recommendation of the Academic council hereby confers on Mr./Ms Vandana Naithani Son/Daughter of Sh. B. D. Naithani Degree of Doctor of Philosophy in the faculty of ENVIRONMENTAL SCIENCE. The subject on which He/She presented the thesis for the Degree was " STUDY OF EFFECTS OF ORGANIC CONTENT AND MINERALS IN RETENTION OF PESTICIDE ON SOIL OF FEROZEPUR AND ITS ADJOINING AREAS "

ਰਜਿਸਟਰਾਰ
Registrar

Jalandhar, 10/08/2013

Given under the seal of the University

ਵਾਈਸ-ਚਾਂਸਲਰ
Vice-Chancellor

DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar

ਚਾਂਸਲਰ
Chancellor

30

Roll No.: 133



Regd No.: 2002.CH/A.23

The Senate of
GURU NANAK DEV UNIVERSITY
have conferred upon

ROOPA

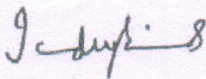
son/daughter of

RAM BHAROSE

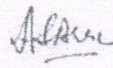
the degree of
Doctor of Philosophy

in the faculty of

SCIENCES (CHEMISTRY)



Registrar



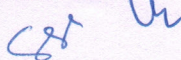
Vice-Chancellor



Chancellor

Amritsar : December 31, 2012

DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar



31



Roll No.: 71001400115

Regd No.: 98.B/A.27

The Senate of
GURU NANAK DEV UNIVERSITY

have conferred upon

RESTU SANAN

son/daughter of

RAMESH KUMAR

the degree of
Doctor of Philosophy

in the faculty of

SCIENCES (CHEMISTRY)

Lambhary

Professor (incharge) (Examinations)

S. S. Saini

Registrar

Aswani

Vice Chancellor

K. S. Saini

Chancellor

Amritsar: March 5, 2015

Head
Department of
Chemistry
Guru Nanak Dev University
Kapurthala - 146001 Punjab (INDIA)

DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar

gk *un*

Roll No . 3078

Punjab University

Doctor of Philosophy

(In the faculty of Science)



Certified that Maninder Kaur , Regd. No. 07-pfy-56 ,
daughter of Shri Avtar Singh , and of
the Punjab State , has obtained the degree of Doctor of Philosophy
of this University on the result of the examination held in 2015 .

Given under the seal of the University

Controller of Examinations

Vice Chancellor

Registrar

Chancellor

Chandigarh, March, 12, 2015

DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar

Serial No. 0028

33



Roll No. 06413003



डा. बी. आर. अम्बेडकर राष्ट्रीय प्रौद्योगिकी संस्थान, जालंधर

अभिषेक की अनुमति पर
दिए गए शपथपत्र की उपाधि एतद्वारा

नीतिका

को प्रदान करता है।

संज्ञा-पदवी शीर्षक : "ए फेनोमैनालॉजिकल स्टडी ऑफ क्वार्क स्ट्रक्चर ऑफ बैरियोन्स"

भारतीय संसद के अधिनियम जालंधर में आज दिनांक प्रथम फरवरी 2013 को संस्थान की मुद्रा अंकित यह उपाधि दी गई।

Dr B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY, JALANDHAR

Upon the recommendation of the Senate hereby confers the degree of

Doctor of Philosophy

on

NEETIKA

Thesis title "A PHENOMENOLOGICAL STUDY OF QUARK STRUCTURE OF BARYONS"

Given this day, the First of February, 2013, under the seal of the Institute at Jalandhar in the Republic of India.

DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar

अध्यक्ष, अतिरिक्त शिक्षण
Chairman, Board of Governors

निदेशक एवं अध्यक्ष, अभिषेक
Director & Chairman, Senate

मुख्याधिवक्ता
Registrar

मुख्याधिवक्ता
Registrar



Roll No.: 156

Regd No.: 98.RKJ/A.107

The Senate of
GURU NANAK DEV UNIVERSITY

have conferred upon

_____ EKTA ARORA _____

son/daughter of _____

RAJINDER KUMAR ARORA

the degree of
Doctor of Philosophy

in the faculty of _____

ARTS & SOCIAL SCIENCES (JOURNALISM & MASS COMMUNICATION)

Registrar

Amritsar : March 5, 2013

Vice-Chancellor

Chancellor
DEAN

R&D Deptt.

IKG Punjab Technical Univ.
Jalandhar



25

Lovely Professional University

Established by an Act of the Legislature of the State of Punjab, the Lovely Professional University Act, 2002 (Act No. 25 of 2002), and recognised by the University Grants Commission under Section 20 of the UGC Act, 1956

On recommendation of the Academic Council,
Lovely Professional University admits

Priyanka Mahajan

D/o Mr. Ravi Bhushan and Ms. Prem Lata

to the degree of

Doctor of Philosophy
(English)

Lovely Faculty of Business and Arts

having completed the prescribed requirements in the year 2018.

Title of Thesis: Emergence of New Woman: A New Feministic Approach in The Select Novels of
Mahasweta Devi, Manju Kapur, Rupa Bajwa and Shobha De

Given under the seal of the University

at Phagwara, Punjab, India

at the Convocation

on the Twenty Second day of October, Two Thousand and Fifteen

Monica Guleri

Registrar

Rohit Kumar

Vice-Chancellor

Faculty in Charge
Department of Humanities, Languages
and Cultural Studies
IKG Punjab Technical University, Jalandhar

[Signature]

Chancellor

Certificate Number: 248377

Registration Number: 41206397

This Degree can be authenticated by submitting the certificate number to www.lpu.in/authenticate or e-mail to recordverification@lpu.co.in

Lovely Professional University
Jalandhar-Defra G.T. Road (NH-1)
Punjab, (Punjab) India-144411

Ph: +91-1824-444639
website: www.lpu.in

DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar

[Signature]

Regn. cum Roll No.



The Board of Governors of Punjab Technical University, Jalandhar upon the recommendation of the Academic council hereby confers on Mr./Ms Neeru Bansal Son/Daughter of Sh. Harmesh Kumar Bansal Degree of Doctor of Philosophy in the faculty of CIVIL ENGINEERING in April-2015. The subject on which He/She presented the thesis for the Degree was " INVESTIGATION OF SFRC CORNERS UNDER OPENING BENDING MOMENT. "

Given under the seal of the University

ਰਜਿਸਟਰਾਰ
Registrar

Jalandhar, 10-05-2016

ਵਾਈਸ-ਚਾਂਸਲਰ
Vice-Chancellor

[Signature]
Director
I.K.G.P.T.U
Mohali Campus-II

DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar
Chancellor
Nishant Singh

37

Serial No. 548319

Registration No. SLIET/Ph.D./116/09

Sant Longowal Institute of Engineering and Technology

(Deemed University, Under MHRD, Govt. of India)
Longowal, Distt. Sangrur (Punjab) - 148106

Upon recommendation of the Senate hereby confers the degree of

Doctor of Philosophy

OR
HARPREET KAUR

Daughter of Sh. GURJANT SINGH

THESIS TITLE: HAAR WAVELET TECHNIQUE FOR SOLVING CERTAIN DIFFERENTIAL, INTEGRAL AND INTEGRO-DIFFERENTIAL EQUATIONS

Given this day, the 25th March, 2013, under the seal of the Institute at Longowal in the Republic of India.

संत लौंगोवाल अभियांत्रिकी एवं प्रौद्योगिकी संस्थान

प्रोफेसर को अनुमति पर

विद्या वाचस्पति

को उपर्युक्त दाय

हरप्रीत कौर

पुत्री श्री गुरजंत सिंह

को पदान प्रदान है।

शोध प्रबन्ध शीर्षक : हार वेवलेट टेक्नीक फॉर सॉल्विंग सर्टेन डिफरेंशियल, इंटीग्रल एंड इंटीग्रो-डिफरेंशियल इक्वेशन्स
भारतीय कवराज के अंतर्गत लौंगोवाल में आज, दिनांक 25 मार्च, 2013 को संस्थान के मुद्रा अंकित यह उपर्युक्त दो गई।

T.K. Sam

निदेशक एवं अध्यक्ष, अकादमिक
Director & Chairman, Academic

[Signature]

अध्यक्ष (अकादमिक)
Dean (Academics)

[Signature]
वन रजिस्ट्रार
Registrar



[Signature]

Head
Department of Mathematical Sciences
I.K. Gujral Punjab Technical University
Kapurthala-144603 Pb. (India)

[Handwritten Signature]
**DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar**
[Handwritten Signature]

39

116

Serial No. 071083

Enrolment No. 027502

भारतीय प्रौद्योगिकी संस्थान रुड़की

अभिषद् की अनुमति पर

डॉक्टर ऑफ़ फिलॉसफी

की उपाधि

रिंकू वालिया

को, जिन्होंने इस उपाधि की अवाप्ति हेतु विनियम विहित अपेक्षाओं को सन् 2007 में सफलतापूर्वक पूरा कर लिया है, एतद्वारा प्रदान किया है।

शोध प्रबन्ध शीर्षक: पॉलिशिंग ऑफ़ एफ्लुएन्ट फ्रॉम यूएसबीआर; ओआरपी एस ए मॉनिटरिंग पैरामीटर
भारतीय गणराज्य के अन्तर्गत रुड़की में आज, दिनांक 17 नवम्बर 2007, संस्थान की मुद्रा अंकित यह उपाधि दी गई।

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

On the recommendation of the Senate hereby confers the degree of

Doctor of Philosophy

upon

RINKU WALIA

who has successfully completed in the year 2007 the requirements prescribed under the regulations for the award of this degree

Thesis Title: POLISHING OF EFFLUENT FROM UASBR: ORP AS A MONITORING PARAMETER

Given this day, the 17th of November 2007, under the seal of the Institute at Roorkee in the Republic of India.

अध्यक्ष, अभिज्ञासक परिषद्
Chairman, Board of Governors

निदेशक एवं अध्यक्ष, अभिषद्
Director & Chairman, Senate

कुलसचिव
Registrar



DEPUTY DIRECTOR

IKGPTU CAMPUS

DEAN
R&D Dept.IKG Punjab Technical Univ.
Jalandhar

Dr. Rajneesh Sachdev

Serial No. Ph.D. 790

Admission No. L-2009-AE-73-D

Punjab Agricultural University
Ludhiana (India)



Provisional Degree Certificate

This is to certify that Rajneesh Kant
Son/daughter of Mr. Tej Paul and
Ms. Raj Rani, has
successfully completed the requirements of course work and thesis for the
degree of Doctor of Philosophy in Processing & Food Engineering
of this University in the month of August, 2012

His/Her Overall Credit Point Average is 8.24 out of 10.00.

OCPA in words Eight point two four out of ten.

Dated 29-8-2012

9-1-12
Registrar

DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar

Self Certified
10/01/12
(Rajneesh Sachdev)

ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਜਲੰਧਰ
I.K. Gujral Punjab Technical University Jalandhar
 Formerly Punjab Technical University Jalandhar



Doctor of Philosophy

The Board of Governors of I.K. Gujral Punjab Technical University, Jalandhar upon the recommendation of the Academic council hereby confers on Mr./Ms. Neeraj Mohan Son/Daughter of Sh. Hans Raj Degree of Doctor of Philosophy in the faculty of COMPUTER SCIENCE AND ENGINEERING IN JULY-2016.
 The subject on which He/She presented the thesis for the Degree was " TRAFFIC GROOMING AND SURVIVABILITY IN OPTICAL NETWORKS. "

Given under the seal of the University

[Signature]

ਰਜਿਸਟਰਾਰ
Registrar

Jalandhar, 21-11-2017

[Signature]

ਵਾਈਸ-ਚਾਂਸਲਰ
Vice-Chancellor

[Signature]
 Director
 I.K. Gujral Punjab Technical University
 Mohali Campus-1

[Signature]
 DEAN
 R&D Deptt.
 IKG Punjab Technical Univ.
 Jalandhar

[Signature]
 ਚਾਂਸਲਰ
Chancellor

42

93/102

16/1/19

43

Serial No. 553746

Registration No. SLIET/Ph.D/44/08

Sant Longowal Institute of Engineering and Technology
(Deemed University, Under MHRD, Govt. of India)
Longowal, Distt. Sangrur (Punjab) -148106

Upon recommendation of the Senate hereby confers the degree of
Doctor of Philosophy

on
DEEPAK KUMAR GOYAL
Son of Sh. JAGDISH RAI GOYAL

THESIS TITLE : INVESTIGATIONS ON ROLE OF HIGH VELOCITY OXY-FUEL SPRAY COATINGS TO CONTROL SLURRY EROSION OF HYDRAULIC TURBINE MATERIALS

Given this day, the 13th February, 2016, under the seal of the Institute at Longowal in the Republic of India.

संत लौंगोवाल अभियांत्रिकी एवं प्रौद्योगिकी संस्थान

अभिषेक को अनुशंसा पर
विद्या वाचस्पति
को उपाधि एतद् द्वारा
दीपक कुमार गोयल
सुपुत्र श्री जगदीश राय गोयल
को प्रदान किया है।

शोध प्रबन्ध शीर्षक : इन्वेस्टीगेशंस ऑन रोल ऑफ हाई वेलासिटी ऑक्सी-फ्यूल स्प्रे कोटिंग्स टू कंट्रोल सलरी इरोशन ऑफ हाइड्रोलिक टरबाइन मटेरियल्स

नेह फरवरी मन् दो हजार मोलह को भारतीय गणराज्य के अधीन लौंगोवाल मे स्थित संस्थान को मुद्रा अंकित यह उपाधि प्रदान की गयी ।

Bansal
कल मधिय
Registrar

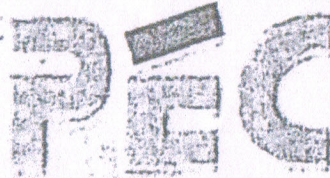
TK Jain
निदेशक एवं अध्यक्ष, अभिषेक परिषद्
Director & Chairman, Senate

Sharma
अध्यक्ष, प्रबंधन मंडल
Chairman, Board of Management



[Signature]
DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar

[Signature]



EXPLORE • INNOVATE • EXCEL

44

Student ID: 11309001

Serial No.: D150707

PEC University of Technology
Chandigarh

On recommendation of the Senate, the University hereby confers the degree of

Doctor of Philosophy

on

Amoljit Singh Gill

who has successfully completed in the year 2015 the requirements for the award of this degree

Thesis Title: "Surface Alloying by Electrical Discharge Machining Process Using Powder Metallurgy Electrodes"

Given this day, 17th of October, 2015 under the seal of University at Chandigarh

DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar

Registrar

Director

Department of Mechanical Engineering

Chairman Board of Governors

(45)

Student ID: 073010

Serial No.: D130621

PEC University of Technology Chandigarh

On recommendation of the Senate, the University hereby confers the degree of

Doctor of Philosophy

on

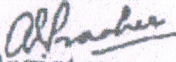
Jujhar Singh

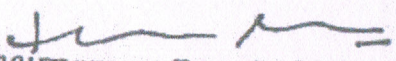
who has successfully completed in the year 2013 the requirements for the award of this degree

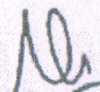
Thesis Title: Investigation of Ultrasonic Assisted Electric Discharge Machining Performance.

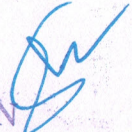
Given this day, 12th of October 2013 under the seal of University at Chandigarh

PEC University of Technology
I.K.G. P.T.U. Main Campus
Kapurthala


Registrar


Co-Chairperson Board of Management,
Director & Chairman Senate


Co-Chairperson Board of Management,
Secretary Technical Education, UT, Chd.


DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar

Serial No 121568

Enrolment No 08924004



भारतीय प्रौद्योगिकी संस्थान रुड़की

अभियन्ता की अनुशंसा पर
डॉक्टर ऑफ़ फ़िलॉसफी
की उपाधि

मनोज मित्तल

को, जिन्होंने इस उपाधि को अर्जित हेतु विनियम विहित अपेक्षाओं को सन् 2012 में सफलतापूर्वक पूरा कर लिया है, एतद्द्वारा पदान करता है।
शोध प्रबन्ध शीर्षक: चियर एण्ड क्रोजन स्टडीज़ ऑन प्लाजमा स्प्रेयड Al_2O_3 रिइन्फोर्सड एचए कोटिंग्स
भारतीय गणराज्य के अन्तर्गत रुड़की में आज, दिनांक 04 अगस्त 2012, संस्थान की मूद्रा अंकित यह उपाधि दी गई।

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

On the recommendation of the Senate hereby confers the degree of

Doctor of Philosophy

upon

MANOJ MITTAL

who has successfully completed in the year 2012 the requirements prescribed under the regulations for the award of this degree

Thesis Title: WEAR AND CORROSION STUDIES ON PLASMA SPRAYED Al_2O_3 REINFORCED HA COATINGS

Given this day, the 04th of August 2012, under the seal of the Institute at Roorkee in the Republic of India.

Anand Singh

अध्यक्ष, अभियन्तासक परिषद्
Chairman, Board of Governors

DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar

Bansari

निदेशक एवं अध्यक्ष, अभियन्ता
Director & Chairman, Senate

Anand

कुलसचिव
Registrar



Kumar

Anand

(47)

Serial No. : 0105

Roll No : 09405203



डा. बी. आर. अम्बेडकर राष्ट्रीय प्रौद्योगिकी संस्थान, जालन्धर

अभिषेक की अनुशंसा पर
नित्य मानस्यति की रक्षा के द्वारा
विवेक अग्रवाल

को प्रदान करता है।

शोध-प्रवृत्ति : "पैरामेट्रिक स्टडी ऑन मशीनिंग कैरेक्टेरिस्टिक्स ऑफ इन्कोनेल विथ वेडम"

भारतीय गणराज्य के अन्तर्गत जालन्धर में आज दिनांक तीस अप्रैल 2016 को संस्थान की मुद्रा अंकित यह उपाधि दी गई।

Dr B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY, JALANDHAR

Upon the recommendation of the Senate hereby confers the degree of

Doctor of Philosophy

on

VIVEK AGGARWAL

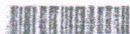
Thesis title: "PARAMETRIC STUDY ON MACHINING CHARACTERISTICS OF INCONEL WITH WEDM"

Given this day, the Third of April, 2016, under the seal of the Institute at Jalandhar in the Republic of India.

अध्यक्ष, कमिशनरसम परिषद्
Chairperson, Board of Governors

निदेशक एवं अध्यक्ष, संसद
Director & Chairman, Senate

रजिस्ट्रार
Registrar



DEAN
R&D Deptt.
IKG Punjab Technical University
Jalandhar

Signature

Signature
Mechanical Engineering
Unit 2, P.T.I. Jalandhar Campus
Signature

Serial No. 151938

Enrolment No. 11923001

भारतीय प्रौद्योगिकी संस्थान रुड़की

अभिषद् की अनुसूता पर

विद्या वाचस्पति

की उपाधि

अमित बंसल

को, जिन्होंने इस उपाधि की अर्जापि हेतु विनियम विहित अपेक्षाओं को सन् 2015 में सफलतापूर्वक पूरा कर लिया है, एतद्वारा प्रदान करता है।

सोध प्रबन्ध शीर्षक: फ्यूजन ज्वारिंग ऑफ एडवांस्ड मेटेरियल्स यूजिंग माइक्रोवेव हाइब्रिड हीटिंग
भारतीय गणराज्य के अन्तर्गत रुड़की में आज, दिनांक 3 अक्टूबर 2015, संस्थान की मुद्रा अंकित यह उपाधि दी गई।

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

On the recommendation of the Senate hereby confers the degree of

Doctor of Philosophy

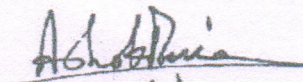
upon


AMIT BANSAL


who has successfully completed in the year 2015 the requirements prescribed under the regulations for the award of this degree

Thesis Title: FUSION JOINING OF ADVANCED MATERIALS USING MICROWAVE HYBRID HEATING


Given this day, the 3rd of October 2015, under the seal of the Institute at Roorkee in the Republic of India.

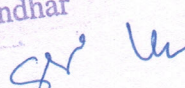

अध्यक्ष, अभिशासक परिषद्
Chairman, Board of Governors


निदेशक एवं अध्यक्ष, अभिषद्
Director & Chairman, Senate


प्रशासक
कुलसचिव
Registrar




DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar



49

EDP S. No.: 600000035

Regn. cum Roll No. 05.47.09

ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ
Punjab Technical University
 Jalandhar



Doctor of Philosophy

The Board of Governors of Punjab Technical University, Jalandhar upon the recommendation of the Academic council hereby confers on Mr./Ms Tarun Goyal Son/Daughter of Sh. Brij Kumar Goyal Degree of Doctor of Philosophy in the faculty of Engineering. The subject on which He/She presented the thesis for the Degree was " Investigation of Cold Gas Dynamic Spray Process for Electro-Technical Applications "

Given under the seal of the University

ਰਜਿਸਟਰਾਰ
 Registrar
 Jalandhar, 10/26/2012

ਵਾਈਸ-ਚਾਂਸਲਰ
 Vice-Chancellor

DEAN
 R&D Deptt.
 IKG Punjab Technical Univ.
 Jalandhar

ਚਾਂਸਲਰ
 Chancellor



Registration No. 950906025

IKG Punjab Technical University, Jalandhar

(Declared as Deemed-to-be-University u/s 3 of the UGC Act, 1956)

Doctor of Philosophy

Certified that Rakesh son of
Shri Satpal & Smt. Laxmi Devi

has obtained the Degree of Doctor of Philosophy on his having successfully completed the prescribed requirements
for the said degree in June 2015.

The title of his thesis is :

Performance Analysis of Hybrid Passive Optical Networks

Given this day under the seal of the University at Jalandhar, the Second day of November, Two Thousand and Fifteen.

And
Registrar

DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar

Rakesh
Director

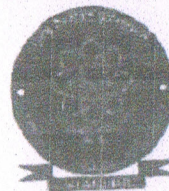
Seni

EDP S. No.: 600000093

Regn. cum Roll No. _____

02.39.09

ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ
Punjab Technical University
Jalandhar



Doctor of Philosophy

The Board of Governors of Punjab Technical University, Jalandhar upon the recommendation of the Academic council hereby confers on Mr./Ms. Amit Gupta Son/Daughter of Sh. Naresh Gupta Degree of Doctor of Philosophy in the faculty of Electronics & Comm. Engineering. The subject on which He/She presented the thesis for the Degree was " Investigation on optical burst switching for next generation transport networks. "

DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar

Given under the seal of the University

ਰਜਿਸਟਰਾਰ
Registrar

Jalandhar, 12/08/2014

ਵਾਈਸ-ਚਾਂਸਲਰ
Vice-Chancellor

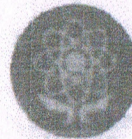
ਚਾਂਸਲਰ
Chancellor

EDP S. No.: 600000141

15.07.09

Regn. cum Roll No.

ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ
Punjab Technical University
Jalandhar



Doctor of Philosophy

The Board of Governors of Punjab Technical University, Jalandhar upon the recommendation of Academic council hereby confers on Mr./Ms. Rakesh Kumar Son/Daughter of Sh. Ram Kishan Degree of Doctor of Philosophy in the faculty of INSTRUMENTATION & CONTROL ENGINEERING in November-2015. The subject on which He/She presented the thesis for the Degree was "A SECURED OPTIMIZED ROUTING SCHEME FOR MOBILE AD-HOC NETWORKS USING EVOLUTIONARY TECHNIQUES."

Given under the seal of the University

ਰਜਿਸਟਰਾਰ
Registrar

Jalandhar, 10-05-2016

ਵਾਈਸ-ਚਾਂਸਲਰ
Vice-Chancellor

DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar

ਚਾਂਸਲਰ
Chancellor

53

Serial No.: 14Ph.D.17
क्रम संख्या :

Registration No.: 2K10-Ph.D.-EE-121
पंजीकरण संख्या :

National Institute of Technology, Hamirpur (Himachal Pradesh)

Upon the recommendation of the Senate hereby confers the degree of

Doctor of Philosophy

in

Electrical Engineering

on

NAVEEN KUMAR SHARMA

THESIS TITLE: IMPACT OF RENEWABLE ENERGY SOURCES IN COMPETITIVE ELECTRICITY MARKET

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

इलेक्ट्रिकल अभियांत्रिकी एतद्वारा

नवीन कुमार शर्मा

को प्रदान करता है।

शोधप्रबन्ध शीर्षक: इम्पैक्ट ऑफ रिन्युएबल एनर्जी सोर्सज इन कॉम्पेटिटिव इलेक्ट्रिसिटी मार्केट
भारतीय गणराज्य के अन्तर्गत हमीरपुर, (हि.प्र.) में आज, दिनांक 17 दिसम्बर 2014 को संस्थान की मुद्रा अंकित यह उपाधि दी गई।

S. P. Singh

Chairman, Board of Governors
अध्यक्ष, अभिशासक परिषद्

Rajinder

Director & Chairman, Senate
निदेशक एवं अध्यक्ष, अभिषद

Sanh

Registrar
कुलसचिव



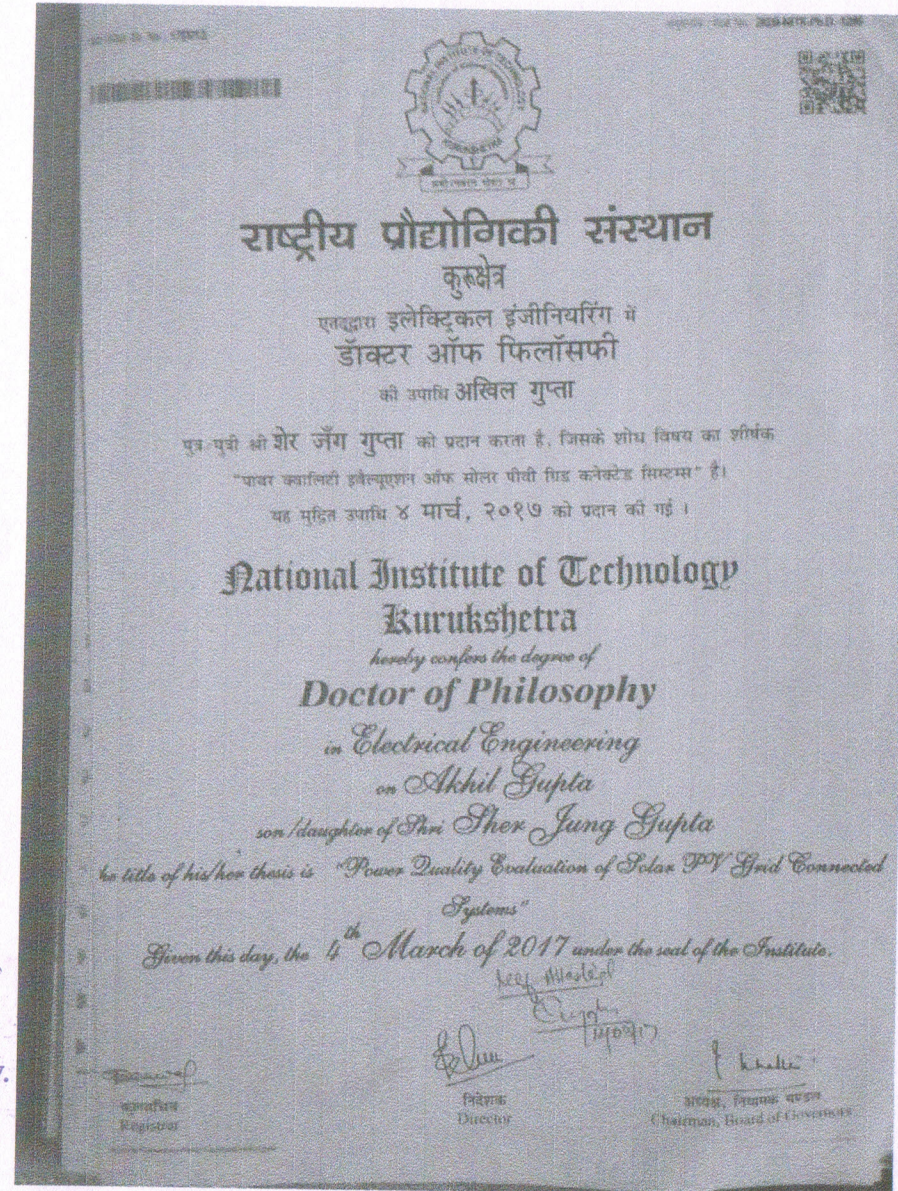
DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar

54

DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar

[Signature]

[Signature]



56

Serial No. 0053



Roll No. 07403002

डा. बी. आर. अम्बेडकर राष्ट्रीय प्रौद्योगिकी संस्थान, जालन्धर

अभिषद् की अनुशंसा पर

विद्या वाचस्पति की उपाधि एतद्वारा

रमन कुमार

को प्रदान करता है।

शोध-प्रबन्ध शीर्षक : "इन्हांसड थ्रेशहोल्ड प्रॉक्सी सिग्नेचर रिफिंग बेस्ड ऑन आरएसए फॉर नोब सिग्नेर्स"
भारतीय गणराज्य के अन्तर्गत जालन्धर में आज दिनांक चार अप्रैल 2015 को संस्थान की मुद्रा अंकित यह उपाधि दी गई।

Dr B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY, JALANDHAR

Upon the recommendation of the Senate hereby confers the degree of

DOCTOR OF PHILOSOPHY

on

RAMAN KUMAR

Thesis title: "ENHANCED THRESHOLD PROXY SIGNATURE SCHEME BASED ON RSA FOR KNOWN SIGNERS"

Given this day, the Fourth of April, 2015, under the seal of the Institute at Jalandhar in the Republic of India.

अध्यक्ष, अभिशासक परिषद्
Chairperson, Board of Governors

निदेशक एवं अध्यक्ष, अभिषद्
Director & Chairman, Senate

कुलसचिव
Registrar

DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar

Roll No. : 71001700033
Regd No. : 99.FT/A.5

The Senate of
GURUNANAK DEV UNIVERSITY

have conferred upon

SHINDERIT SINGH


son/daughter of

KIRPAL SINGH

the degree of
Doctor of Philosophy


in the faculty of


SCIENCE (Food Technology)


Professor in Charge (Examinations)

Approved: September 8, 2017


Registrar


Vice-Chancellor

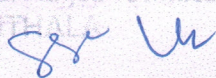

Chancellor

DEAN

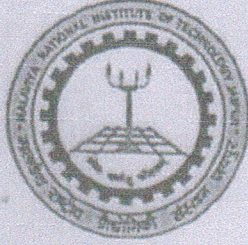
R&D Deptt.

IKG Punjab Technical Univ.

Jalandhar



21/06/17



85/2021

58

MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY

Jawahar Lal Nehru Marg, Jaipur - 302017 (Rajasthan) India

मालवीय राष्ट्रीय प्रौद्योगिकी संस्थान जयपुर

जवाहर लाल नेहरू मार्ग, जयपुर-302017 (राजस्थान) भारत

Website: www.mnit.ac.in

DOCTOR OF PHILOSOPHY (Ph.D.)

Provisional Degree Certificate

This is to certify that

| | |
|-----------------------|--|
| Name | Mr. MD. Fuzail Jawaid ✓ |
| ID No | 2014RAR9026 |
| S/o | Mr. Jawaid Qayyum |
| Topic | Environment Responsive Development Regulations for Residential Developments in Jaipur City |
| Under the Supervision | Dr. Satish Pipralia Dr. Ashwani Kumar |
| Department | : Architecture and Planning |
| Date of Viva-Voce | : March 26, 2021 |

after having fulfilled all the Academic requirements, is declared eligible for the award of the Degree of Doctor of Philosophy(Ph.D.).

Prepared By

Date: 05/04/2021

Recte Singh
Deputy Registrar
DEPUTY REGISTRAR (ACADEMIC)
Malaviya National Institute of Technology Jaipur
J.L.N. Marg, Jaipur - 302 017
DEAN
R&D Deptt.
IKG Punjab Technical Univ.

Note: The Provisional Degree Certificate is valid till the Degree is awarded.

59

Roll No. 912

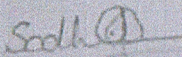
Punjab University


Doctor of Philosophy

(In the Faculty of Business Management & Commerce)

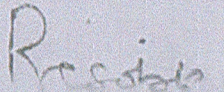
Certified that Sanjeeb Kumar, Regd. No. 92-as-267,
son of Shri Diwan Chand, and of Punjab State, has
obtained the degree of Doctor of Philosophy of this
University on the result of the examination held in 2006.


Given under the seal of the University

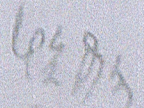

Controller of Examinations

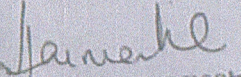

Registrar

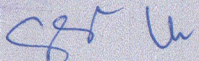
Chandigarh, April 12, 2006


VICE-CHANCELLOR


DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar


CHANCELLOR


Head
Department of Management
I.K. Gujral Punjab Technical University
144 603


STFB



Roll No.: 125

Regd No.: 97. H/A-327

The Senate of
GURU NANAK DEV UNIVERSITY

have conferred upon

KAPIL GUPTA

son/daughter of

LOGINDER PAL GUPTA

the degree of
Doctor of Philosophy

in the faculty of

ECONOMICS & BUSINESS (COMMERCE)

Registrar

Amritsar: June 19, 2009

Vice-Chancellor

Chancellor

Head
 Department of Management
 I.K. Gujral Punjab Technical University
 Kapurthala-144 603

DEAN
 R&D Deptt.
 IKG Punjab Technical Univ.
 Jalandhar

पंजीकरण संख्या
Reg. No.

S/41

क्रमांक
S. No.

0490043

19

बीकानेर विश्वविद्यालय, बीकानेर



प्रमाणित किया जाता है कि

राजेश कुमार नरुला

को विज्ञान संकाय में "सामान्यीकृत एम.एम.डी. व एम.डी.एस. कोडों की शत व अज्ञात त्रुटियों की सीमाओं और उनकी उपयोगिता पर अध्ययन"

शीर्षक पर शोध प्रबन्ध दिनांक 03.12.2007 को स्वीकृत होने के उपरान्त

डॉक्टर ऑफ़ फ़िलॉसफ़ि (गणित)

की उपाधि प्रदान की जाती है।

यह उपाधि विश्वविद्यालय को मुद्रा तथा कुलपति के हस्ताक्षर से निर्गमित की जाती है।

UNIVERSITY OF BIKANER, BIKANER

Certified that the degree of

Doctor of Philosophy (Mathematics)

in the Faculty of Science is conferred on

Rajesh Kumar Narula

after approval of the thesis on 03.12.2007 on the title "On study of generalized bounds of detected and undetected errors of MMD and MDS codes and their applications"

This degree is issued with the seal of the University and the Signature of the Vice Chancellor.



दिनांक
Date

29.09.2011

DEAN

Signature of Dean

कुलपति
Vice Chancellor

Signature of Vice Chancellor

IKG Punjab
Jalandhar

Signature of IKG Punjab



Panjab University

Doctor of Philosophy

(In the faculty of Science)

Roll No. 3410

16



Certified that Gurjinder Singh, Regd. No. 99-gnm-84, son of Shri. Piara Singh, and of the Punjab State, has obtained the degree of Doctor of Philosophy of this University on the result of the examination held in 2016.

Rhishu

Controller of Examinations

Umar

Registrar

Chandigarh, May. 24, 2016

Given under the seal of the University



Dr. Anil

Head
Department of Mathematical Sciences
I.K. Gujral Punjab Technical University
Kapurthala-144603 P.B. (India)

Dr. Karam Singh

Vice Chancellor

Dr. Anil

Chancellor

DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar

Dr. Anil

63

Roll No.: 50



Regd No.: 94.Zoo/A-3

The Senate of
GURU NANAK DEV UNIVERSITY

have conferred upon

CHANDER PARKASH

son/daughter of

DES RAJ

the degree of

Doctor of Philosophy

in the faculty of

LIFE SCIENCES (ZOOLOGY)

R. Sharma

Registrar

S. R. Singh

Vice-Chancellor

S. R. Singh

Chancellor

Amritsar: October 4, 2008

DEAN

R&D Deptt.

IKG Punjab Technical Univ.

Jalandhar

64

Punjabi University Patiala



(Established under Punjab Act No. 35 of 1961)

Doctor of Philosophy

Certified that Rupesh Kumar, son/daughter
of Shri Surender Kumar and Smt. Santosh Rani,
of the Punjab State, has
this day been admitted by the Senate in the degree of
Doctor of Philosophy

in

Synthesis and Photochemical Transformations of

Some Novel Benzo- γ -Pyrones

in the faculty of

Physical Sciences

Given under the seal of the University.

Rajinder
REGISTRAR
PATIALA

April 26,

2019

[Signature]
DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar

[Signature]
CHANCELLOR

[Signature]
VICE-CHANCELLOR

[Signature]
Department of Chemical Sciences
I.K. Gujral Punjab Technical University
Kapurthala

Roll No. 2442

Punjab University



Doctor of Philosophy

(In the faculty of Science)

Certified that
son of Shri

Varinderjit Singh

, Regd. No. 2002-gl-188

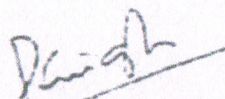
Balwant Singh


, and of

the Punjab State

, has obtained the degree of Doctor of Philosophy
of this University on the result of the examination held in 2013

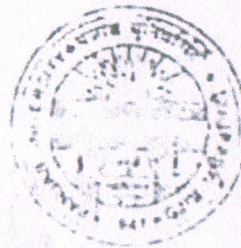
Given under the seal of the University


Controller of Examinations


Registrar

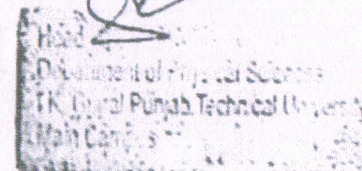
Chandigarh, February, 2013

DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar



Vice Chancellor



Chancellor



66

Roll No.: 61

Regd No.: 95 GTS/A-40



**The Senate of
GURU NANAK DEV UNIVERSITY**
have conferred upon

SARJIT SINGH

son/daughter of NACHHATTAR SINGH MANN

the degree of
Doctor of Philosophy

in the faculty of LANGUAGES (PUNJABI)

R. Sharma
Registrar

S. R. Singh
Vice-Chancellor

S. R. Singh
Chancellor

Amritsar : December 1, 2008

S. R. Singh
Faculty In-charge
Department of Humanities, Languages
and Cultural Studies
IKG Punjab Technical University, Jalandhar

S. R. Singh
DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar

86

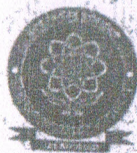
EDP S. No.: 600000111

Regn. cum Roll No.

1006017

ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ
Punjab Technical University

Jalandhar



Doctor of Philosophy

The Board of Governors of Punjab Technical University, Jalandhar upon the recommendation of the Academic council hereby confers on Mr./Ms Sukhminderbir Singh Kalsi Son/Daughter of Sh. Mohinder Singh Degree of Doctor of Philosophy in the faculty of Mechanical Engineering. The subject on which He/She presented the thesis for the Degree was " Hot Corrosion Study of Cold Spray Coatings in Medical Waste Incineration Environment. "

ਰਜਿਸਟਰਾਰ
Registrar

Jalandhar, 12/09/2014

Given under the seal of the University

ਵਾਈਸ-ਚਾਂਸਲਰ
Vice-Chancellor

I. K. Gujral Punjab Technical
University Amritsar Campus,

Inside Guru Nanak Dev Engineering College
Near O.H.S. Post Office,
Amritsar, Punjab
Ph:- 0183-2466034

DEAN
RAC

ਚਾਂਸਲਰ
Chancellor

IKG Punjab Technical Univ.

69



Roll No . 3334



Panjab University

Doctor of Philosophy

(In the faculty of Engineering & Technology)

Certified that Vipul Sharma, Regd. No. 08-uit-652,
son of Shri Suresh Kumar, and of
the Punjab State, has obtained the degree of Doctor of Philosophy
of this University on the result of the examination held in 2016.

Given under the seal of the University

R Singh
Controller of Examinations

[Signature]
Registrar

Chandigarh, March, 1, 2016



I. K. Gujral Punjab Technical
University Amritsar Campus,
Inside G. L. Polytechnic College,
Near Chak, Amritsar, Punjab,
Ph: 0161-2450024, 7667364856

[Signature]
Vice Chancellor

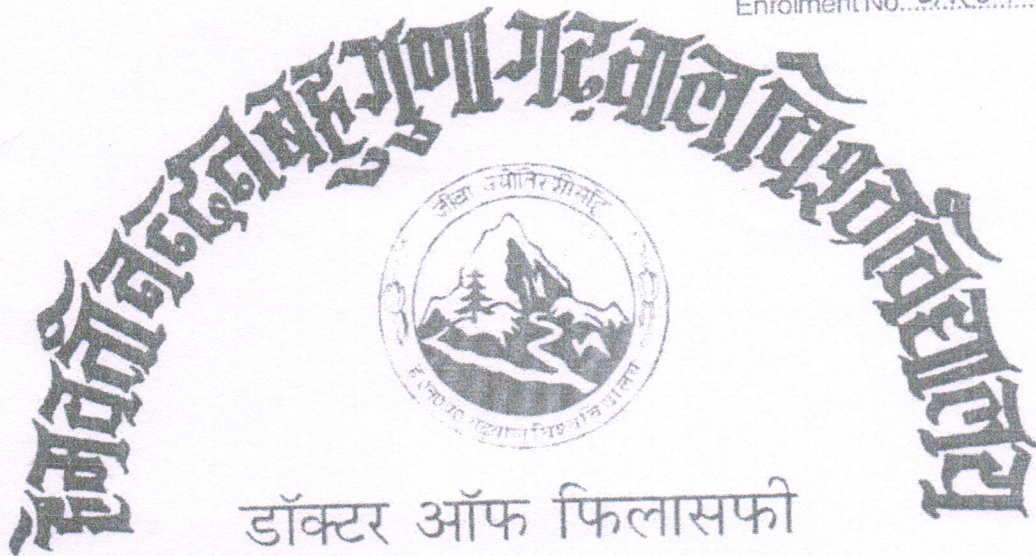
[Signature]
Dean
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar

70

60375

नामांकन संख्या जी.आर. 000916

Enrolment No. G.R.090017



डॉक्टर ऑफ फिलासफी

प्रमाणित किया जाता है कि विक्रमजीत सिंह को

गणित

में इस विश्वविद्यालय की

डॉक्टर ऑफ फिलासफी की उपाधि वर्ष 2013 में प्रदान की गयी।

शोध प्रबन्ध का शीर्षक "इफेक्ट ऑफ बैकलॉगिंग ऑन सभ इन्वेन्टरी सिस्टम्स"

HEMWATI NANDAN BAHUGUNA GARHWAL UNIVERSITY

Doctor of Philosophy

This is to certify that VIKRAMJEET SINGH has
 been awarded the Degree of Doctor of Philosophy in MATHEMATICS of
 this University in the year 2013

Title of Thesis "EFFECT OF BACKLOGGING ON SOME INVENTORY
 SYSTEMS."

हेमवती नन्दन बहुगुणा गढ़वाल विश्वविद्यालय, श्रीनगर (गढ़वाल)
 H.N.BAHUGUNA GARHWAL UNIVERSITY, Srinagar (Garhwal)

दिनांक

23 JAN 2016

Dated

I. K. Gujral
 University
 Inside C
 Near GND
 Amritsar-14
 Ph- 01824 54
DEAN
R&D Dept.
IKG Punjab Technical Univ.
Jalandhar

[Signature]
 कुलपति

Vice Chancellor

[Signature]
DEAN
R&D Dept.
IKG Punjab Technical Univ.

50

भारतीय प्रौद्योगिकी संस्थान दिल्ली

अभिषद की अनुशंसा पर

विद्या वाचस्पति

की उपाधि एतद्वारा

सुनील कुमार महला

को प्रदान करता है।

शोध-प्रबन्ध शीर्षक : स्टडीज़ ऑन यूटिलाइजेशन ऑफ सीएनजी ऐन्ड बायोडीज़ल ब्लेन्ड इन ए कम्प्रेशन इग्निशन इंजन यूजिंग इग्जॉस्ट गैस रिसर्क्यूलेशन।

भारतीय गणराज्य के अन्तर्गत दिल्ली में आज, दिनांक 9 अगस्त 2008 को संस्थान को मुद्रा अंकित यह उपाधि दी गई।

Indian Institute of Technology Delhi

Upon the recommendation of the Senate hereby confers the degree of

Doctor of Philosophy

on

SUNIL KUMAR MAHLA

Thesis title : STUDIES ON UTILIZATION OF CNG AND BIODIESEL BLEND IN A COMPRESSION IGNITION ENGINE USING EXHAUST GAS RECIRCULATION.

Given this day, the 9th of August 2008, under the seal of the Institute at Delhi in the Republic of India

[Signature]
अध्यक्ष, अभिशासक परिषद
Chairman, Board of Governors

[Signature]
निदेशक एवं अध्यक्ष, अभिषद
Director & Chairman, Senate

[Signature]
कुलसचिव
Registrar

DEAN
R&D Deptt.
IKG Punjab Technical Univ
Jalandhar



DEPUTY DIRECTOR

IKGPTU CAMPUS



गुरु गोबिन्द सिंह इन्द्रप्रस्थ विश्वविद्यालय GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY



विद्या-वाचस्पति

प्रमाणित किया जाता है कि यूनिवर्सिटी स्कूल ऑफ बेसिक एंड एप्लाइड साइंस में पंजीकृत कुलविंदर सिंह सुपुत्र हरगजन सिंह को गणित विषय में इस विश्वविद्यालय की विद्या-वाचस्पति की उपाधि 15.10.2014 को प्रदान की गई।

इनके शोध प्रबंध का शीर्षक है "मैथमेटिकल मॉडलिंग, मल्टी फ्रैक्टल एंड वेवलेट एनालिसिस ऑफ वार्टर पैरामीटर्स"



Doctor of Philosophy

This is to certify that Kulwinder Singh Son of Harbhajan Singh registered in University School of Basic and Applied Science has been awarded the degree of Doctor of Philosophy of this University in the subject of Mathematics on 15.10.2014.

Title of the thesis is "Mathematical Modeling, Multifractal and Wavelet Analysis of Water Parameters"

Pravin Chandra

परीक्षा नियंत्रक
Controller of Examinations



Date of Convocation : 26.03.2015
दिल्ली (भारत) / Delhi (India)

Atyagi

कुलपति
Vice Chancellor

DEPUTY DIRECTOR

IKGPTU CAMPUS KASHIAPUR

DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar

12



मौलाना आज़ाद राष्ट्रीय प्रौद्योगिकी संस्थान, भोपाल

मध्य प्रदेश, भारत

अभिषद् की अनुशंसा पर

ब्रजेश बाकरिया

को

संगणक अनुप्रयोजन संकाय

में

Scholar No. 123206103

इफिशिएन्ट मॉडल्स फॉर इंटरेस्टिंग पैटर्न्स एक्सट्रैक्शन एन्ड यूज़र बिहेवियर एनालिसिस फ्रॉम वेबलॉग डेटा

डॉक्टर ऑफ फिलॉसफी

की उपाधि उनके द्वारा इस उपाधि की अवाप्ती हेतु विनियम विहित अहर्ताओं को सफलतापूर्वक वर्ष सितम्बर 2016 में पूर्ण करने पर एतद् द्वारा प्रदान करता है।

भारतीय गणराज्य के अंतर्गत भोपाल में आज दिनांक 20 सितम्बर 2016 को संस्थान की मुद्रा सहित दी गई।

MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY, BHOPAL

Madhya Pradesh, India

Upon recommendation of the Senate, hereby confers the degree of

Doctor of Philosophy
in

Faculty of Computer Applications
on

Brijesh Bakariya

For his /her research work entitled

Efficient Models for Interesting Patterns Extraction and User Behaviour Analysis from Weblog Data

who has successfully completed the requirements prescribed under the regulations

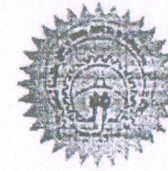
for the award of this Degree in **September 2016**

Given this day, the **20th September 2016** under the seal of the Institute at Bhopal in the Republic of India.

DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar
निदेशक एवं अध्यक्ष, अभिषद्
Director & Chairman, Senate



अध्यक्ष, शासी निकाय
Chairperson, Board of Governors



DEAN
R&D Deptt.
IKG Punjab Technical Univ.
Jalandhar

DEPUTY DIRECTOR

IKGPTU CAMPUS PUNJAB

EDP S. No.: 600000128

Regn. cum Roll No.

1006023

ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ
Punjab Technical University

Jalandhar




Doctor of Philosophy


The Board of Governors of Punjab Technical University, Jalandhar upon the recommendation of the Academic council hereby confers on Mr./Ms Amit Handa Son/Daughter of Sh. Tilak Raj Handa Degree of Doctor of Philosophy in the faculty of MECHANICAL ENGINEERING in May-2015. The subject on which He/She presented the thesis for the Degree was " STUDIES OF MECHANICAL PROPERTIES AND HOT CORROSION BEHAVIOUR OF FRICTION WELDED DISSIMILAR STEELS. "

Given under the seal of the University


ਰਜਿਸਟਰਾਰ
Registrar

Jalandhar, 10-05-2016


ਵਾਈਸ-ਚਾਂਸਲਰ
Vice-Chancellor


DEAN
ਚਾਂਸਲਰ & D Deptt
Chancellor
IKG Punjab Technical Univ
Jalandhar
DEPT. OF DIRECTOR
IKGPTU CAMPUS