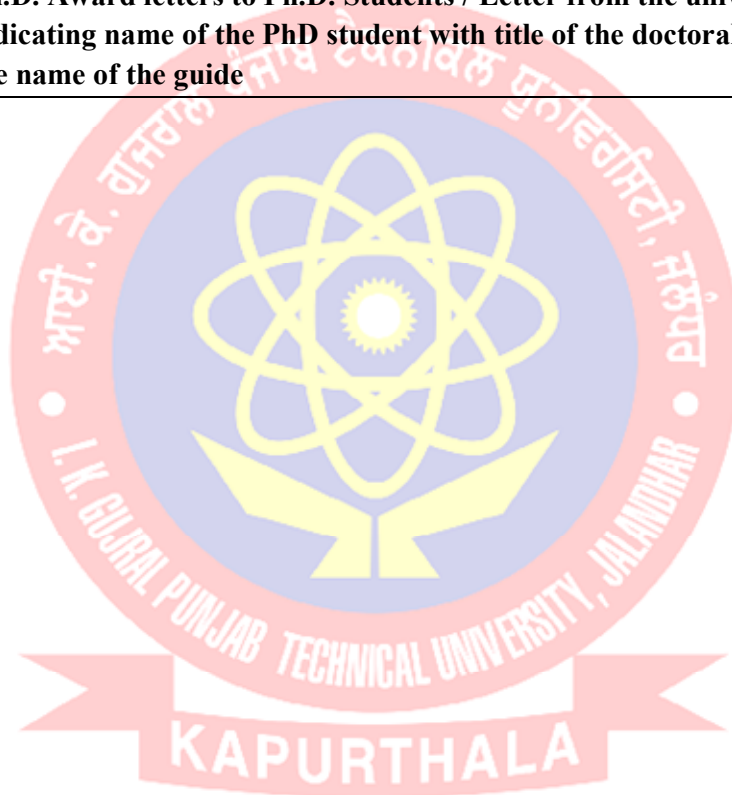


**Department: Electronics & Communication
Engineering**

3.4.4

Ph.D's Awarded Per Teacher

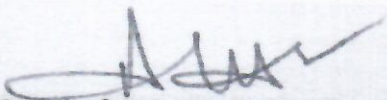
Sl. No.	Documents Attached
1.	Ph.D. Award letters to Ph.D. Students / Letter from the university indicating name of the PhD student with title of the doctoral study and the name of the guide




Department of Electronics and Communication Engineering

URL for Research page on HEI web site(Indicator 3.4.4)

<https://ptu.ac.in/electronics-communication-engineering/research-scholars/>



(Signature of Head of Department)



Head
Department of Electronics & Communication Engineering
IK Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab)-144603

Dr. Anirudh P Singh

Dean

Research & Development



PTU

ਆਈ. ਐ. ਗੁਰਮਤ ਪੰਜਾਬ ਟੈਕਨੋਲੋਜੀਕਲ ਯੂਨੀਵਰਸਿਟੀ
Estd. Under Punjab Technical University Act, 1997
(Punjab Act No. 1 of 1997)

Ref No IKGPTU/RET/2018

Dated 27.05.2018

TO WHOM IT MAY CONCERN

It is certified that Mr./Ms. *Vikram Mutneja* was registered for Ph.D degree with this university in the discipline of *Electronics & Communication Engineering*.

Mr./Ms. *Vikram Mutneja* conducted research work on the following topic:

Research Topic	<i>Investigation In Detection, Quality Analysis & Enhancement of Human Facial Images From Low Resolution Surveillance Video</i>
Registration Number	<i>1105001</i>
Registration Date	<i>03.08.2011</i>
Name of Guide	<i>Dr. Sarvir Singh, Associate Professor, IKGPTU, Kapurthala</i>
Name of Co-guide (if any)	<i>-NA-</i>

Mr./Ms. *Vikram Mutneja* submitted his/her Ph.D thesis on 04/12/2017. The same was evaluated by experts. He/she successfully gave his/her viva-voce on 09/05/2018. Subsequently the committee recommended to award the provisional Ph.D degree to Mr./Ms. *Vikram Mutneja*. The final degree will be awarded after approval of Academic Council and Board of Governors, IKG PTU.

Dean (R&D)

Head

Department of Electronics & Communication Engineering
IKG Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab)-144601

Head

Department of Electronics & Communication Engineering
IKG Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab)-144601

**IK GUJRAL PUNJAB TECHNICAL UNIVERSITY,
JALANDHAR**

Ph.D NOTIFICATION

Encls. No. IKGPTU/Ph.D/162

Dated: 28/11/17

Notification: IKGPTU/2016/283 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. Darshan Singh S/O Dr. Gurdeep Singh, Regd. No. 1105011 in the faculty of Engineering
(Electronics and Communication Engineering).

Year of Enrollment	Date of Viva-voce	Title of the Thesis	Name & Address of the Research Supervisor
2017	17.02.17	DESIGN OF DIGITAL FILTERS USING HYBRID OPTIMIZATION TECHNIQUES	Dr. J.S. Dhillon Professor Sant Longowal Institute of Engineering & Technology, Longowal. Dr. Dalveer Kaur Assistant Professor, IKG PTU Main Campus, Kapurthala

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

Dean (R&D)

Controller of Examination

Head

Department of Electronics & Communication Engineering

Head

Department of Electronics & Communication Engineering
IK Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab)-144603

Head

Department of Electronics & Communication Engineering
IK Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab)-144603

I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

Ph.D NOTIFICATION

Endst. No. IKGPTU/Ph.D/100

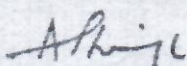
Dated: 08/05/2017

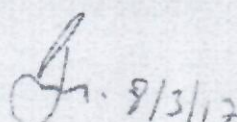
Notification: IKGPTU/2016/286 for the Ph.D degree award

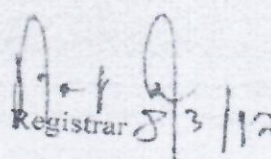
With the approval of competent authority, the IKG PTU notifies for the award of Ph.D degree to Mr/Ms. *VIKRANT SHARMA* S/D/o *RAM LUBHAYA*, Regd. No.1005013 in the faculty of Engineering (Electronics and Communication Engineering).

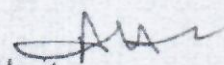
Year of Enrolment	Date of Viva-voce	Title of the Thesis	Name & Address of the Research Supervisor
2011	14.02.17	PERFORMANCE OPTIMIZATION OF MULTICHANNEL MULTIGIGABITS/SEC DWDM RING	Dr. Dalveer Kour Assistant Professor, Department of Electronics And Communication Engineering, IKG PTU Main Campus, Kapurthala.


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


Dean (R&D)


Controller of Examination


Registrar 8/3/17


Head
Department of Electronics & Communication Engineering
IK Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab)-144001


Head
Department of Electronics & Communication Engineering
IK Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab)-144001



**I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY,
JALANDHAR**

Ph.D NOTIFICATION

Endst. No. IKGPTU/Ph.D/ 738

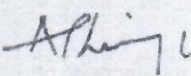
Dated: 16/10/18

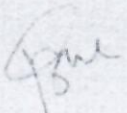
Notification: IKGPTU/2018/486 for the Ph.D degree award

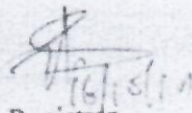
With the approval of competent authority, I. K. Gujral Punjab Technical University notify the award of Ph.D degree to Mr/Ms. *Sarita Sharma S/D/o Hari Dutt Sharma*, Regd. No. *1005012* in the faculty of *Engineering (Electronics & Communication Engineering)*. This notification is issued on 16/10/18 after completion of thesis work and successfully defended his/her case during presentation among expert panel of university.

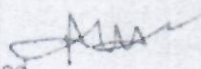
Year of Enrolment	Date of Viva-voce	Title of the Thesis	Name & Address of the Research Supervisor
2011	31/08/2018	MICROWAVE CAVITY PERTURBATION TECHNIQUE FOR MEASURING DIELECTRIC PROPERTIES OF MATERIAL AT MICROWAVE FREQUENCIES.	Dr. Dalveer Kaur Assistant Professor, Department of Electronics & Communication Engineering, IKGPTU, Kapurthala.


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


Dean (R&D)


Controller of Examination


Registrar


Head
Department of Electronics & Communication Engineering
IK Gujral Punjab Technical University
Main Campus, Kapurthala


Head
Department of Electronics & Communication Engineering
IK Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab)-144603



I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

Ph.D NOTIFICATION

Endst. No. IKGPTU/Ph.D/740

Dated: 16/10/18

Notification: IKGPTU/2018/488 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. *Ankur Singhal S/D/o Raj Kumar*, Regd. No. 1005002 in the faculty of Engineering (Electronics & Communication Engineering). This notification is issued on 16/10/18 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	04/09/2018	PERFORMANCE EVALUATION AND OPTIMIZATION OF ACCESS NETWORKS.	Dr. Amit Gupta Assistant Professor, Department of ECE, I. K. Gujral Punjab Technical University, Kapurthala.
			Dr. Charanjeet Singh Professor, Lovely Professional University, Phagwara.

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

Al Singh
Dean (R&D)

JS
Controller of Examination

Sh
Registrar

Head

IK Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab) 140001

Head

Head

**I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY,
JALANDHAR
Ph.D NOTIFICATION**

Endst. No. IKGPTU/Ph.D/R¹⁰ 1278

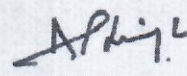
Dated: 26-9-17

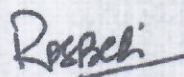
Revised Notification: IKGPTU/2017/328 for the Ph.D degree award

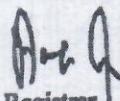
With the approval of competent authority, the IKG PTU notifies for the award of Ph.D degree to
Mr/Ms. **SANKALAP ARORA S/D/o RAJ KRISHAN ARORA**, Regd. No.1203017 in the faculty of
Engineering (Computer Science and Engineering).


Year of Enrolment	Date of Viva-voce	Title of the Thesis	Name & Address of the Research Supervisor
2012	17.07.17	STUDY AND INVESTIGATIONS ON BIO-INSPIRED OPTIMIZATION ALGORITHMS	Dr. Satvir Singh Associate Professor, IKG PTU, Kapurthala

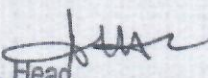
The final degree will be conferred in the annual convocation of the University.



Dean (R&D)


Controller of Examination


Registrar


Head
Department of Electronics & Communication Engineering
IK Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab)-144603


Head
Department of Electronics & Communication Engineering
IK Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab)-144603





I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY,
JALANDHAR

Ph.D NOTIFICATION

Endst. No. IKGPTU/Ph.D/735

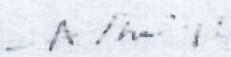
Dated: 17/12/19


Notification: IKGPTU/2019/735 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. *Sarabjeet Singh S/D/o Gurdev Singh*, Regd. No. 1203023 in the faculty of Engineering (Computer Science & Engineering). This notification is issued on 17/12/19 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
2012	30/10/2019	INVESTIGATIONS ON HIGH PERFORMANCE COMPUTING USING GPGPU FOR FASTER EVOLUTIONARY DESIGNS	Dr. Satvir Singh Associate Professor IKGPTU, main Campus Kapurthala.
			Dr. Vijay Kumar Bange Prof. & Principal, Amruxar College of Engineering & Technology, Amritsar.

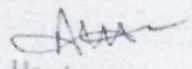
Final degree will be conferred in the annual convocation of the University.

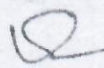

Dean (R&D)


Controller of Examination


Registrar


Head
Department of Electronics & Communication Engineering
IK Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab) 141303


Head
Department of Electronics & Communication Engineering
IK Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab) 141303



**I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY,
JALANDHAR**

Ph.D NOTIFICATION

Endst. No. IKGPTU/Ph.D/305

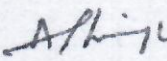
Dated 12/04/2017

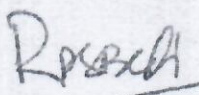
Notification: IKGPTU/2017/318 for the Ph.D degree award

With the approval of competent authority, the IKG PTU notifies for the award of Ph.D degree to
Mr/Ms. *Palvinder Singh Mann S/D's Mehar Singh Mann*, Regd. No.1203043 in the faculty of
Engineering (Computer Science and Engineering).


Year of Enrolment	Date of Viva-voce	Title of the Thesis	Name & Address of the Research Supervisor
2012	30.05.17	IMPROVED METAHEURISTICS FOR ROUTING IN WIRELESS SENSOR NETWORKS	Dr. Satvir Singh Associate Professor, Department of ECE IKG Punjab Technical University, Kapurthala.

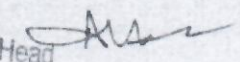
The final degree will be conferred in the annual convocation of the University.


Dean (R&D)


Controller of Examination


Registrar


Head
Department of Electronics & Communication Engineering
IK Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab) 147001


Head
Department of Electronics & Communication Engineering
IK Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab) 147001



I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

PH.D NOTIFICATION

Endst. No. IKGPTU/Ph.D/ 839

Dated: 28/1/20

Notification: IKGPTU/2020/774 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. *Jasbir Singh S/D/o Gursharan Singh*, Regd. No. 1205032 in the faculty of *Engineering (Electronics & Communication Engineering)*. 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
2012	27/12/2019	SYNTHESIS AND INVESTIGATION OF TUNABLE FERRITE RF ABSORBER AT X-BAND	Dr. Dalveer Kaur Assistant Professor, IKGPTU Main Campus, Kapurthala. Dr. Charanjeet Singh Professor, LPU, Phagwara.

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

Dean (R&D)

Controller of Examination

Registrar

Head
Department of Electronics & Communication Engineering
IK Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab)-144003

Head
Department of Electronics & Communication Engineering
IK Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab)-144003



I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

Ph.D NOTIFICATION

Endst. No. IKGPTU/Ph.D/950

Dated: 11/3/20

Notification: IKGPTU/2020/797 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. *Rajat Joshi S/D/o Jagan Nath Joshi*, Regd. No. *1105015* in the faculty of *Engineering (Electronics & Communication Engineering)*. This notification is issued on 11/3/20 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	01/02/2020	INVESTIGATION OF MICROWAVE ABSORPTION OF SUBSTITUTED Ba Sr FERRITES	Dr. Dalveer Kaur Assistant Professor, IKGPTU Main Campus, Kapurthala. Dr. Charanjeet Singh Professor, LPU, Phagwara.

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

Athar Singh
Dean (R&D)

[Signature]
Controller of Examination

[Signature]
Registrar

[Signature]
Head
Department of Electronics & Communication Engineering
IK Gujral Punjab Technical University
Main Campus, Kapurthala

[Signature]
Head
Department of Electronics & Communication Engineering
IK Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab)-144603



I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY
Jalandhar-Kapurthala Highway, Kapurthala - 144603.

Ph.D NOTIFICATION

Endst. No. IKGPTU/Ph.D/1000

Dated: 24/7/2020

Notification: IKGPTU/2020/843 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. *Neeraj Kumar S/D/o Tilok Ram*. Regd. No. 1205029 in the faculty of Engineering (Electronics & Communication Engineering). This notification is issued on 24/7/2020 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
2012	12/06/2020	ENHANCE THE CAPACITY OF MULTIUSER WIRELESS COMMUNICATION SYSTEM THROUGH INTERFERENCE CANCELLATION	Dr. Dalveer Kaur Assistant Professor, Department of Electronics And Communication Engineering, I.K. Gujral Punjab Technical University Main Campus, Kapurthala.

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

AP Singh
Dean (R&D)

Jr.
Controller of Examination

Shr.
Registrar

[Signature]
Head
Department of Electronics & Communication Engineering
IK Gujral Punjab Technical University
Main Campus

[Signature]
Head
Department of Electronics & Communication Engineering
IK Gujral Punjab Technical University
Main Campus, Kapurthala Highway-144603



I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

Ph.D NOTIFICATION

Endst. No. IKGPTU/Ph.D/951

Dated: 11/3/20

Notification: IKGPTU/2020/799 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. *Rajesh S/D/o Phool Kumar*, Regd. No. 1105002 in the faculty of Engineering (Electronics & Communication Engineering). This notification is issued on 11/3/20 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	03/02/2020	SYNTHESIS AND CHARACTERIZATION OF POLYMER NANOCOMPOSITES FOR EMBEDDED CAPACITOR APPLICATIONS	Dr. Dalveer Kaur Assistant Professor, IKGPTU Main Campus, Kapurthala.

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

Dean (R&D)

Controller of Examination

Registrar

Head
Department of Electronics & Communication Engineering
IK Gujral Punjab Technical University
Main Campus, Kapurthala

Head
Department of Electronics & Communication Engineering
IK Gujral Punjab Technical University
Main Campus, Kapurthala
144603



I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY,
JALANDHAR

Ph.D NOTIFICATION

Endst. No. IKGPTU/Ph.D/ 854

Dated: 20/11/18

Notification: IKGPTU/2018/513 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. *Sarjit Singh S/D/o Gurmail Singh*, Regd. No. 1205037 in the faculty of *Engineering (Electronics & Communication Engineering)*. This notification is issued on 20/11/18 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
2012	29/10/2018	MODELING, SIMULATION AND COMPARATIVE PERFORMANCE ANALYSIS USING WAVELETS FOR VOIP IN WIRELESS DOMAIN.	Dr. Amit Gupta Assistant Professor, I. K. Gujral Punjab Technical University, Main Campus, Kapurthala.
			Dr. J.S.Sohal Director Ludhiana College Of Engg.Tech. Katani Kalan, Ludhiana.

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

Dean (R&D)

Controller of Examination

Registrar

Head
Department of Electronics & Communication Engineering
I.K. Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab)-144603

Head
Department of Electronics & Communication Engineering
I.K. Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab)-144603



I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

Ph.D NOTIFICATION

Endst. No. IKGPTU/Ph.D/174

Dated: 24/5/19

Notification: IKGPTU/2019/576 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. *Neha S/D/o Suraj Prakash*, Regd. No. *1205005* in the faculty of *Engineering (Electronics & Communication Engineering)*. This notification is issued on *24/5/19* 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
2012	11/02/2019	ENERGY EFFICIENT ROUTING IN WIRELESS SENSOR NETWORKS.	Dr. Amit Gupta Assistant Professor, Department of Electronics & Communication Engineering IKG PTU Main Campus, Kapurthala.
			Dr. J S Sohal Director, Ludhiana College of Engineering and Technology, Ludhiana.

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

Dean (R&D)

Controller of Examination

Registrar

Head
Department of Electronics & Communication Engineering
IK Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab)-141001

Head
Department of Electronics & Communication Engineering
IK Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab)-141001

Anirudh Pratap Singh

Dean
Research and Development

ਡਾ. ਅਨੀਰੁਧ ਪ੍ਰਤਾਪ ਸਿੰਘ

ਡੀਨ

ਰਿਸਰਚ ਅਤੇ ਡਿਵੈਲਪਮੈਂਟ



ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਜਲੰਧਰ
I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY JALANDHAR

Jalandhar-Kapurthala Highway Kapurthala-144 603

Tel.: 01822-282569 282572 Fax: 01822-256504

Email : deanrcptu@gmail.com, deanrc@ptu.ac.in

Website : www.ptu.ac.in

Ref No. IKGPTU/R&D/1598

Dated 15/11/19

TO WHOM IT MAY CONCERN

This is to certify that *Mr/Ms. Shukhvinder Kaur* had been registered for Ph.D degree with this university in the discipline of *Electronics & Communication Engg.*

Mr/Ms. Shukhvinder Kaur conducted research work on the following topic:

Research Topic	OPTIMIZATION OF SPEAKER DIARIZATION BY REDUCING DIARIZATION ERROR RATE
Registration Number	1205031
Registration Date	22.05.12
Supervisor Name	Dr. Amit Gupta, Assistant Professor, IKGPTU, Kapurthala
Co-Supervisor Name	Dr. J. S. Sohal, Director, LCET, Ludhiana

Mr/Ms Shukhvinder Kaur had submitted his/her research work thesis on 03.01.19. The same has been evaluated by experts. He / She successfully gave his/her viva-voce on 14.11.19. Subsequently, the committee has recommended to award the provisional Ph.D degree to *Mr/Ms Shukhvinder Kaur*. The final degree will be awarded after approval of Academic Council and Board of Governors, IKG PTU.

Dean (R&D)

Head
Department of Electronics & Communication Engineering
IK Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab)-144603

Head
Department of Electronics & Communication Engineering
IK Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab)-144603



I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

Jalandhar-Kapurthala Highway, Kapurthala – 144603.

Ph.D NOTIFICATION

Endst. No. IKGPTU/Ph.D/ 1007

Dated: 24/7/2020

Notification: IKGPTU/2020/831 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. *Vikramjit Singh S/D/o Gurbhej Singh*, Regd. No. *1205011* in the faculty of *Engineering (Electronics & Communication Engineering)*. This notification is issued on 24/7/2020 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
2012	07/05/2020	ANALYSIS OF INTERACTIONS OF CARDIOVASCULAR DYNAMICS	Dr. Amit Gupta, Assistant Professor, Department of ECE, IKG PTU Main Campus, Kapurthala.
			Dr. J.S.Sohal Director, Ludhiana College of Engineering and Technology Ludhiana.

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

Dean (R&D)

Controller of Examination

Registrar

Head
Department of Electronics & Communication Engineering
IKG PTU Main Campus, Kapurthala - 144603

Head
Department of Electronics & Communication Engineering
IKG PTU Main Campus, Kapurthala - 144603



Dr. Anirudh P. Singh

Dean,
Research, Innovation & Consultancy

INDER KUMAR GUJRAL

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ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਕਪੂਰਥਲਾ

Ref. No PTU/RIC/Ph.D/1505004/1458

Dated 06-10-2017

Dr. Avtar Singh Buttar

H.O.D(ECE) PUNJAB INSTITUTE OF TECHNOLOGY KAPURTHALA PTU MAIN CAMPUS

Co-Supervisor : Dr. Ashok K.

Goel - EXP0376

Subject:Registration for Ph.D Degree.

Dear Dr. Avtar Singh Buttar,

This is in reference to the research proposal submitted by Mr./Ms. **Paurav Goel** , Regd. No. **1505004**, regarding registration for Ph.D degree under your supervision. On the basis of his Ph.D synopsis presentation and approval by the RDC, the candidate has been registered for Ph.D degree with the Punjab Technical University in the Faculty of **Engineering & Technology-Electronics and Communication Engineering**, and shall be governed by the Ph.D regulations of the University. On the basis of his Ph.D. synopsis presentation before RDC he/she is now registered with University with following details:-

Thesis Topic	Optimization of Transmit Power using a Computational Intelligence Technique in Cognitive Radio Environments.
Registration No	1505004
Date of presentation	03.10.2017
Date of Enrollment	24.12.2014
RDC comments (For incorporation in further research work)	
Recommendation	Recommended for further research work.
Objectives	No Change.
Suggestions	No Suggestions.

The candidate should quote his/her registration number in future correspondence with the university. Further, as per the PTU's Ph.D regulations 2010 the candidate shall be required to submit a pre-thesis abstract to the University. The confirmation of registration for Ph.D is subject to incorporation of comment/suggestions (if any) of experts in further research work.

Yours truly,

(Anirudh P. Singh)

Dean (RIC)

"Developing Youth for a Prosperous Knowledge Society"

ਇੰਦਰ ਕੁਮਾਰ ਗੁਜਰਾਲ, ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ, ਜੰਲਧਰ-ਕਪੂਰਥਲਾ ਰਾਜਮਾਰਗ, ਕਪੂਰਥਲਾ 144601
Inder Kumar Gujral, Punjab Technical University, Jalandhar-Kapurthala Highway, Kapurthala (India)
Phone: +91-1822-662558, 662572 Fax: 01822-255504 Website: www.ptu.ac.in

E-mail: deanricptu@gmail.com, deanric@ptu.ac.in

Head

Department of Electronics & Communication Engineering
IK Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab)-144603



Dr. Anirudh P. Singh

Dean,
Research, Innovation & Consultancy

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Ref. No PTU/RIC/Ph.D/1405017/1344

Dated 18-05-2017

Dr. Dalveer Kaur

PIT, PTU Campus, Kapurthala

Co-Supervisor : -

Subject: Registration for Ph.D Degree.

Dear Dr. Dalveer Kaur,

This is in reference to the research proposal submitted by Mr./Ms. **SUJESH DUTTA**, Regd. No. **1405017**, regarding registration for Ph.D degree under your supervision. On the basis of his Ph.D synopsis presentation and approval by the RDC, the candidate has been registered for Ph.D degree with the Punjab Technical University in the Faculty of **Engineering & Technology-Electronics and Communication Engineering**, and shall be governed by the Ph.D regulations of the University. On the basis of his Ph.D. synopsis presentation before RDC he/she is now registered with University with following details:-

Thesis Topic	DESIGN OF HIGH PERFORMANCE MULTIPLE PASS BAND ADAPTIVE PRE-DISTORTED MICROWAVE FILTERS
Registration No	1405017
Date of presentation	17.05.2017
Date of Enrollment	30.01.2014
RDC comments (For Incorporation in further research work)	
Recommendation	Recommended for further research work.
Objectives	<p>1 To investigate different Microwave Filters using Dielectric Resonators and Multiple Pass Band Filters.</p> <p>2 To design and implement the Adaptive Microwave Filter based on Pre-Distortion technique and Multiple Pass band characteristics.</p> <p>3 To simulate and analyse the performance of the designed Multiple Pass Band Adaptive Pre distorted filter.</p> <p>4 To compare the designed Adaptive Pre-Distorted Multiple Pass Band Filter with the existing ones.</p>
Suggestions	NO

The candidate should quote his/her registration number in future correspondence with the university. Further, as per the PTU's Ph.D regulations 2010 the candidate shall be required to submit a pre-thesis abstract to the University. The confirmation of registration for Ph.D is subject to incorporation of comment/suggestions (if any) of experts in further research work.

Yours truly,

(Anirudh P. Singh)
Dean (RIC)

Head
Department of Electronics & Communication Engineering
IK Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab)-144603

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Inder Kumar Gujral, Punjab Technical University, Jalandhar-Kapurthala Highway, Kapurthala (India)

Phone: +91-1822-662558, 662572 Fax: 01822-255504 Website: www.ptu.ac.in

E-mail: deanricptu@gmail.com, deanric@ptu.ac.in



Dr. Anirudh P. Singh

Dean,
Research & Development

PHD

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Ref. No PTU/RIC/Ph.D/1505025/1727

Dated 23-10-2019

Dear Student Mr./Ms. Pawandeep Kaur , Registration No. 1505025

This is in reference to the research proposal submitted by you. On the basis of your Ph.D synopsis presentation and approval by the RDC, you have been registered for Ph.D degree with the I.K.G. Punjab Technical University in the Faculty of **Engineering & Technology-Electronics and Communication Engineering**, and shall be governed by the Ph.D regulations 2010 of the University. You are now registered with the University with following details:-

Thesis Topic	Sensitivity Enhancement of a nanoscale GAA MOSFET Architecture for Biosensing Applications
Registration No	1505025
Date of Enrollment	02.09.2015
Name of Supervisor	Dr. Avtar Singh Buttar - 11050047
Date of presentation	23.10.2019
RDC comments (For incorporation in further research work)	
Recommendation	Recommended
Objectives	The updated research objectives are as follows: 1. Sensitivity Analysis of Gate-All-Around (GAA) MOSFET for application as Biosensor for label-free detection of neutral biomolecules 2. Sensitivity Enhancement of nanoscale GAA MOSFET Biosensor Architecture with the variations of device dimensional parameters 3. Validation of proposed GAA biosensor design using TCAD numerical simulation
Suggestions	NA

You should quote your registration number in future correspondence with the university. Further, as per the PTU's Ph.D regulations 2010 you shall be required to submit a pre-thesis/abstract to the University. The confirmation of registration for Ph.D is subject to incorporation of comment/suggestions (if any) of experts in further research work. Your Supervisor/Co-Supervisor will ensure the incorporation of comments (if any) in further research work.

(Anirudh P. Singh)
Dean (R&D)

CC to Supervisor :- Dr. Avtar Singh Buttar - 11050047.

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Inder Kumar Gujral, Punjab Technical University, Jalandhar-Kapurthala Highway, Kapurthala (India)
Phone: +91-1822-662558, 662572 Fax: 01822-255504 Website: www.ptu.ac.in
E-mail: deanricptu@gmail.com, deanric@ptu.ac.in

Head
Department of Electronics & Communication Engineering
IK Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab)-144603



Dr. Anirudh P. Singh

Dean,
Research & Development

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Ref. No PTU/RIC/Ph.D/1605009/1671

Dated 05-09-2018

Dear Student Mr./Ms. Shampal Singh, Registration No. 1605009

This is in reference to the research proposal submitted by you. On the basis of your Ph.D synopsis presentation and approval by the RDC, you have been registered for Ph.D degree with the I.K.G. Punjab Technical University in the Faculty of **Engineering & Technology-Electronics and Communication Engineering**, and shall be governed by the Ph.D regulations 2010 of the University. You are now registered with the University with following details:-

Thesis Topic	An Efficient Non Orthogonal Multiple Access Technique For Future Wireless Communication Systems.
Registration No	1605009
Date of Enrollment	27.01.2016
Name of Supervisor	Dr. Avtar Singh Buttar - 11050047
Name of Co-Supervisor	Dr. Dalveer Kaur - 11050016
Date of presentation	04.09.2018
RDC comments (For Incorporation in further research work)	
Recommendation	Recommended with above mention title.
Objectives	No Change.
Suggestions	More literature survey & gaps in research should be done.

You should quote your registration number in future correspondence with the university. Further, as per the PTU's Ph.D regulations 2010 you shall be required to submit a pre-thesis/abstract to the University. The confirmation of registration for Ph.D is subject to incorporation of comment/suggestions (if any) of experts in further research work. Your Supervisor/Co-Supervisor will ensure the incorporation of comments (if any) in further research work.

(Anirudh P. Singh)
Dean (R&D)

CC to :-

- Supervisor :- Dr. Avtar Singh Buttar - 11050047
- Co-Supervisor :- Dr. Dalveer Kaur - 11050016.

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Inder Kumar Gujral, Punjab Technical University, Jalandhar-Kapurthala Highway, Kapurthala (India)
Phone: +91-1822-662558, 662572 Fax: 01822-255504 Website: www.ptu.ac.in
E-mail: deanricptu@gmail.com, deanric@ptu.ac.in



I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

Jalandhar-Kapurthala Highway, Kapurthala – 144603.

Ph.D NOTIFICATION

Endst. No. IKGPTU/Ph.D/ 1008

Dated 24/7/2020

Notification: IKGPTU/2020/825 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. *Chakresh Kumar S/D/o Prem Kumar*, Regd. No. 1605012 in the faculty of *Engineering & Techonology (Electronics & Communication Engineering)*. This notification is issued on 24/7/2020 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
2016	28/04/2020	PERFORMANCE ANALYSIS OF HYBRID OPTICAL AMPLIFIERS FOR SUPER DENSE WAVELENGTH DIVISION MULTIPLEXING SYSTEM	Dr. Rakesh Goyal Assistant Professor. Department of Electronics & Communication Engineering. I. K. Gujral Punjab Technical University, Kapurthala.

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

Dean (R&D)

Controller of Examination

Registrar

Head
Department of Electronics & Communication Engineering
I.K. Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab)-144603

Head
Department of Electronics & Communication Engineering
I.K. Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab)-144603

PTU/PAD/244

Ms. Meenakshi Sansoy
B1-166, Guru Nanak Nagar, Suranussi,
Jalandhar, Punjab

5/2/18

Subject: Confirmation of Registration for Ph. D program.
Dear Scholar,

This is in the reference to your successful completion of course work of Ph. D program as provided in clause 11(b) of IKG PTU Ph. D regulations 2016. Your registration is confirmed for pursuing Ph. D program with IKG PTU in the Faculty of Engineering & Technology. You shall be governed by the Ph. D regulations 2016 of the University with following details:-

Name of the Department	Electronics & Communication Engineering
Name of Supervisor	Dr. Avtar Singh Buttar
Name of Co-Supervisor	Dr. Rakesh Goyal
Registration No.	1705001
Date of Registration	01-02-2017
Tentative Topic	network lifetime enhancement in wsn

You should quote your above registration number in future correspondence with the university. Further, as per the IKG PTU's Ph. D regulations 2016, you shall appear before the Research Advisory Committee (RAC) once in six months to make a presentation of the progress of your work for evaluation and further guidance till the pre-Ph. D thesis presentation.

The Supervisor/Co-Supervisor of student will ensure the incorporation of inputs of RAC.

Yours faithfully,

Director (R&D)
Dr. Rajneesh Sachdev

CC

1. Dean (R&D)
2. Supervisor and Co-supervisor
3. HOD, Electronics & Communication Engineering

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Jalandhar Kapurthala Highway, Kapurthala - 144603. Ph.: 01822-662558 Mobile: 9478009802

Email: pturajneesh@ptu.ac.in Website: www.ptu.ac.in

Head
Department of Electronics & Communication Engineering
I.K. Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab)-144603

Dr. Anirudh Pratap Singh

Dean
Research and Development

ਡਾ. ਅਨੀਰੁਧ ਪ੍ਰਤਾਪ ਸਿੰਘ

ਡੀਨ
ਰਿਸਰਚ ਅਤੇ ਡਿਵੈਲਪਮੈਂਟ



ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਜਲੰਧਰ
I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY JALANDHAR

Jalandhar-Kapurthala Highway, Kapurthala-144 603

Tel.: 01822-282569, 282572 Fax: 01822-255504

Email : deanricptu@gmail.com, deanric@ptu.ac.in

Website : www.ptu.ac.in

Ref No IKGPTU/R&D/1529

Dated 18/10/2019

Mr. Pawan Kumar
Ward No.45,H/No. 335,Gali No.2
Green Avenue colony,
Near Guru Ramdass nursing college,
Hoshiarpur, Punjab

Subject: Confirmation of Registration for Ph. D program.

Dear Scholar,

This is in the reference to your successful completion of course work of Ph. D program as provided in clause 11(b) of IKG PTU Ph. D regulations 2016. Your registration is confirmed for pursuing Ph. D program with IKG PTU in the Faculty of Engineering & Technology.

You shall be governed by the Ph. D regulations 2016 of the University with following details:-

Name of the Department	Electronics & Communication Engineering
Name of Supervisor	Dr. Satvir singh
Name of Co-Supervisor	NA
Registration No.	1805001
Date of Registration	24-07-2018
Tentative Topic	Optimization of GFDM communication system

You should quote your above registration number in future correspondence with the university. Further, as per the IKG PTU's Ph. D regulations 2016, you shall appear before the Research Advisory Committee (RAC) once in six months to make a presentation of the progress of your work for evaluation and further guidance till the pre-Ph. D thesis presentation.

The Supervisor/Co-Supervisor of student will ensure the incorporation of inputs of RAC.

Yours faithfully,

Dean R&D

CC

1. Supervisor
2. HOD, Electronics & Communication Engineering

Head
Department of Electronics & Communication Engineering
IK Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab)-144603

Department of
Research & Development



PTU

ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ

Ref. No. IKGPTU/PhD/22

Dated 13/3/18

Mr. Pradeep Kumar
S/o Sh. Bhupinder Kumar Sharma
H. No. 391-A, Sector - 43 A
Chandigarh, Punjab

Subject: Provisional re-registration for Ph. D programme.

Dear Scholar,

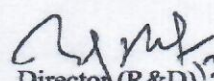
This is in the reference to your request for re-registration for PhD programme against this office Admission Notice Ref No. IKGPTU/R&D/1281 dated 12.12.2017. You are informed that you have been provisionally re-registered for PhD programme under Ph. D regulations 2016 of this University subject to the passing of following subject(s) of PhD course work:-

Particulars	Subjects	
	Passed	Pending
Name of allotted subjects	PGRM-101	Human Values & Professional Ethics
	ECE-503	Presentation
Registration No.	1105022	
Date of Re-registration	01-03-2018	
Faculty/Department	Engineering & Technology/Electronics & Communication Engineering	
Tentative Topic	Switching Through Optical Fiber Communication	

You will be governed by the Ph. D regulations 2016 of the University. The tenure of your PhD degree will be 4 years. There will be extension of two years as prescribed in PhD regulations 2016.

You should quote your above registration number and date of re-registration in future correspondence with the university.

Yours faithfully,


Director (R&D) 13/3/18
(Dr. Rajneesh Sachdeva)

- CC 1. Supervisor
2. HOD, Electronics & Communication Engineering

Note: Duration of re-registration candidates will be decided by deducting the break in period from total permissible duration.


Head

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Department of Electronics & Communication Engineering
I.K. Gujral Punjab Technical University
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Email: pturajneesh@ptu.ac.in Website: www.ptu.ac.in



Dr. Anirudh P. Singh

Dean,
Research & Development

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Dear DAYAL SATI,

Dated : 17-09-2019

Subject: Admission to Ph.D. Programme of IKGPTU

On the recommendations of the Ph.D. Admission Committee and duly approved by Dean (Research and Development) you have been provisionally admitted to the Ph.D. Programme for the Session Summer 2018. The Provisional Registration number allotted to you is 1905001. This Registration number has to be quoted for all the future correspondence. You will have to attend a regular PhD course work for six months at university campus in accordance with Ph.D. Regulations 2016. The norms of Ph.D. Regulations will be applicable.

Your provisional details are as under:

Stream: Engineering & Technology	
Discipline: Electronics and Communication Engineering	
S.No	Subjects
Subjects allotted for course work	
1.	Research Methodology (ECE)

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144601

Inder Kumar Gujral, Punjab Technical University, Jalandhar-Kapurthala Highway,
Kapurthala (India)

Phone: +91-1822-662558, 662572 Fax: 01822-255504 Website: www.ptu.ac.in

E-mail: deanricptu@gmail.com, deanric@ptu.ac.in

E-mail: deanricptu@gmail.com, https://ptu.phdonline.in/AdminPanel/registration.php?action=sent_view&student=ONONNR==

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IK Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab)-146001