

Nov 28, 2023

To Whomsoever it may concern.

This is to certify that **Gursharan Singh**, with the USN: 2004575, is currently doing his internship of 6 months on the following project.

- E-commerce Data Extraction
 - o Improve the quality of the Stylumia Data collection engine
 - Work to make Stylumia completely self-reliant on data extraction

The internship is ongoing under the guidance of Ms Shreya Mittal. The internship started on Aug 1, 2023.

His conduct and performance during the internship have been satisfactory.

Sincerely,

For Stylumia Intelligence Technology Pvt Ltd

Sharath Puranik

Director, Product & Engineering

Stylumia Intelligence Technology Pvt. Ltd.



Nov 28, 2023

To Whomsoever it may concern.

This is to certify that **Harsh Kumar**, with the USN: 2004584, is currently doing his internship of 6 months on the following project.

- E-commerce Data Extraction
 - o Improve the quality of the Stylumia Data collection engine
 - Work to make Stylumia completely self-reliant on data extraction

The internship is ongoing under the guidance of Ms Shreya Mittal. The internship started on Aug 7, 2023.

His conduct and performance during the internship have been satisfactory.

Sincerely,

For Stylumia Intelligence Technology Pvt Ltd

Sharath Puranik

Director, Product & Engineering

Stylumia Intelligence Technology Pvt. Ltd.



December 26th, 2023

To whom so ever it may concern

This is to certify that Mr. Inderpreet Singh S/O Sh. Devinder Singh, from Guru Nanak Dev Engineering College, was on internship from 01st August, 2023 to December 23rd, 2023 in NOC (Technical) Department at Our Head Office at Ludhiana.

During this period with the company, he has handled the responsibility very well and was hard working.

For Netplus Broadband Services Pvt. Ltd.

Authorised Signatory





December 26th, 2023

To whom so ever it may concern

This is to certify that Mr. Jaspreet Singh Soni S/O Sh. Wazir Singh, from Guru Nanak Dev Engineering College, was on internship from $01^{\rm st}$ August, 2023 to December $23^{\rm rd}$, 2023 in NOC (Technical) Department at Our Head Office at Ludhiana.

During this period with the company, he has handled the responsibility very well and was hard working.

For Netplus Broadband Services Pvt. Ltd.

Authorised Signatory





Telecommunications Consultants India Ltd. - Information Technology

Ref. No. TCIL-IT/Trng./2023/7563

Date: 30th December, 2023

To Whom It May Concern

This is to certify that Ms. Ravneet Kaur D/o Sh. Tejinder Singh, College Roll No. 2004648 of Guru Nanak Dev Engineering College (Punjab) has successfully accomplished her six months Industrial training in Core & Advance JAVA from 4th August, 2023 to 4th January, 2024. During her tenure, she was actively involved with our technical team and worked on the project title "Art Gallery".

It is further certified that the work done during this period is a result of candidate's own effort.

We wish her all the best for upcoming future.

Head - Training & Development











Telecommunications Consultants India Ltd. - Information Technology

Ref. No. TCIL-IT/Trng./2024/8416

Date: 24th January, 2024

To Whom It May Concern

This is to certify that Ms. Taranpreet Kaur D/o Sh. Kamaljit Singh, University Registration No. 2004678 of Guru Nanak Dev Engineering College, Ludhiana (Punjab) has successfully completed her Industrial training in Ethical Hacking & Cyber Security from 4th August, 2023 to 31st December, 2023. During her tenure, she was actively involved with our development team and worked on the project title "Key Logger".

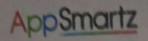
It is further certified that the work done during this period is a result of candidate's own effort.

We wish her all the best for upcoming future.

Head - Training & Development







Ref No: AS/TR-C/2023-24/ASTR056

Date: 29/12/2023

To Whomsoever It May Concern

This is to inform you that Ms. Rohini D/o Mr. Kamesh Kumar, a student of GNDEC has successfully completed her internship in AI/ML from AppSmartz during the period from 7 August 2023 to 29 December 2023.

During the period of her training programme with us, we found her technically sound, sincere, hardworking and result oriented.

We wish her every success in life.

AppSmartz

FOR APPSMARTZ

Authorised Signatory

Authorized Signatory

Contact: +91-8000190000 Email: hr@AppSmartz.com





Date: 21 Feb, 2024



CERTIFICATE OF COMPLETION

It is certified that

Ms. SAMROOP

has successfully completed the Work based learning (WBL) Level-1 on

< Cyber Security >

held from 21-08-2023 to 20-02-2024 at NIELIT, Chandigarh (Ropar Campus)

Dr. Manish Arora

Nodal officer Implementing organization Sanjeev Kumar Gupta

Executive Director Director/Centre Head















CIN: U51909PB1974PLC058656

Regd.& Corporate Office: Raison Nagar, Dhandari Kalan, G.T. Road, Ludhiana-141014 Punjab (India)

+91-161-2511501 upto 510

+91-161-2511511, 2511512

info@raison.com, ho@raison.com

www.ralson.com

Dated: 18.05.2024

TO WHOM IT MAY CONCERN

This is to certify that Ms.Gursimar Kaur D/o Sh.Ravinder Singh has undergone Internship Training in SQL,PL/SQL, Oracle Form Builder, Oracle Report Builder from 30.01.2024 to 18.05.2024 in Ralson India Limited.

She has successfully completed her training.

She bears a good moral character and is hard-working. We wish her all success in her future endeavours.

Kindly acknowledge its receipt.

For Ralson (India) Ltd

Deepak Chauhan V.P. - Corporate HR

1



An Autonomous College u/s [2(f) and 12(B)] of UGC Act 1956 Training and Placement Cell

Ref. No: JITRPR/EED/INTERN/2024/101

23/5/2024 Dated: 25/5/2024

SEMESTRIAL TRAINING EVALUATION PERFORMA (INDUSTRIAL TRAINING)

Name: Naman Salgotra	Company Name: _IIT ROPAR
Roll No: _2004751	Address: _Bara Phul, Rupnagar (140001)
Branch: <u>Electrical Engineering</u>	Date of Evaluation: 23 May, 2024
Authorized person from Industry: Prof. C.C. Reddy	
Designation of Authorized Person: HOD (Electrical E	Department)

A. Assessment by Industry Official:

	Attendance Practical Work		Attendance		Remarks	Seal and Signature
	Marks Obtained	Max Marks	Marks Obtained	Max Marks	Excellant	Ded St
	49	50	148	150		23/5/2024

Attendance	Range of Marks	Project Assessment	Range of Marks
Above 90%	90-100%	Excellent	90-100%
75-90%	70-90%	Good	70-90%
Below 75%	50-70%	Fair	50-70%

B. Assessment by Visiting College Faculty (Name: Prof. Sukhpal Singh):

Assessment		Remarks	Signature
Marks Obtained	Max Marks	Excellant work done	a saye
49	50		23/5/2024

Student should be evaluated based on following parameters proportionally:

- 1. Knowledge Acquisition.
- 2. Problem Identification.
- 3. Implementation of knowledge to solve required problem.

TPO

Contact Us:

Address: Training and Placement Cell, GNDEC, Gill Road, Ludhiana-141006 E-mail: tpo@gndec.ac.in or gagan_sodhi76@yahoo.com Cell: +91 - 9872219178 Phone No.: 0161-5064510, 5064511



An Autonomous College u/s [2(f) and 12(B)] of UGC Act 1956 Training and Placement Cell

Ref. No: IITRPR/EED/INTERN/2024/103 Dated: 23/5/2024

SEMESTRIAL TRAINING EVALUATION PERFORMA (INDUSTRIAL TRAINING)

Name: _Jatinder Singh	Company Name: _IIT ROPAR			
Roll No: _2004736	Address: _Bara Phul, Rupnagar (140001)			
Branch: _Electrical Engineering	Date of Evaluation: 23 May, 2024			
Authorized person from Industry: Prof. C.C. Reddy				
Designation of Authorized Person: HOD (Electrical Department)				

A. Assessment by Industry Official:

	Attendance Practical Work		Attendance		Remarks	Seal and Signature
	Marks Obtained	Max Marks	Marks Obtained	Max Marks	Excellant	Ded de
	50	50	148	150		23/5/2024

Attendance	Range of Marks	Project Assessment	Range of Marks
Above 90%	90-100%	Excellent	90-100%
75-90%	70-90%	Good	70-90%
Below 75%	50-70%	Fair	50-70%

B. Assessment by Visiting College Faculty (Name: Prof. Sukhpal Singh):

Assessment		Remarks	Signature
Marks Obtained	Max Marks	Excellant work done	no de la companya de
49	50		23/5/2024

Student should be evaluated based on following parameters proportionally:

- 1. Knowledge Acquisition.
- 2. Problem Identification.
- 3. Implementation of knowledge to solve required problem.

TPO

Contact Us:

Address: Training and Placement Cell, GNDEC, Gill Road, Ludhiana-141006
E-mail: tpo@gndec.ac.in or gagan_sodhi76@yahoo.com
Cell: +91 - 9872219178 Phone No.: 0161-5064510, 5064511



An Autonomous College u/s [2(f) and 12(B)] of UGC Act 1956 Training and Placement Cell

Ref. No: IITRPR/EED/INTERN/2024/102 Dated: 23/5/2024

SEMESTRIAL TRAINING EVALUATION PERFORMA (INDUSTRIAL TRAINING)

Name: _Sarvesh Teipal	Company Name: _IIT ROPAR			
Roll No: 2004766	Address: _Bara Phul, Rupnagar (140001)			
Branch: _Electrical Engineering	Date of Evaluation: 23 May, 2024			
Authorized person from Industry: Prof. C.C. Reddy				
Designation of Authorized Person: HOD (Electrical Department)				

A. Assessment by Industry Official:

Attendance		Attendance Practical Work		Remarks	Seal and Signature
Marks Obtained	Max Marks	Marks Obtained	Max Marks	Excellant	gedd y
50	50	148	150		23/5/2024

Attendance	Range of Marks	Project Assessment	Range of Marks
Above 90%	90-100%	Excellent	90-100%
75-90%	70-90%	Good	70-90%
Below 75%	50-70%	Fair	50-70%

B. Assessment by Visiting College Faculty (Name: Prof. Sukhpal Singh):

Assessment		Remarks	Signature
Marks Obtained	Max Marks	Excellant work done	a layer
49	50		23/5/2024

Student should be evaluated based on following parameters proportionally:

- 1. Knowledge Acquisition.
- 2. Problem Identification.
- 3. Implementation of knowledge to solve required problem.

TPO

Contact Us:

Address: Training and Placement Cell, GNDEC, Gill Road, Ludhiana-141006
E-mail: tpo@gndec.ac.in or gagan_sodhi76@yahoo.com
Cell: +91 - 9872219178 Phone No.: 0161-5064510, 5064511



An Autonomous College u/s [2(f) and 12(B)] of UGC Act 1956 Training and Placement Cell

Ref. No: ||TRPR/EED/intern/2024/100 Dated: 23/5/2024

SEMESTRIAL TRAINING EVALUATION PERFORMA (INDUSTRIAL TRAINING)

Name: _Kartik Nangia	Company Name: _IIT ROPAR
Roll No: 2004742	Address: _Bara Phul, Rupnagar (140001)
Branch: _Electrical Engineering	Date of Evaluation: 23 May, 2024
Authorized person from Industry: Prof. C.C. Reddy	
Designation of Authorized Person: HOD (Electrical E	Department)

A. Assessment by Industry Official:

Attendance		Practical Work		Remarks	Seal and Signature
Marks Obtained	Max Marks	Marks Obtained	Max Marks	Excellant	addy.
50	50	148	150	2,00 mark	23/5/2024

Attendance	Range of Marks	Project Assessment	Range of Marks
Above 90%	90-100%	Excellent	90-100%
75-90%	70-90%	Good	70-90%
Below 75%	50-70%	Fair	50-70%

B. Assessment by Visiting College Faculty (Name: Prof. Sukhpal Singh):

Assessment		Remarks	Signature
Marks Obtained	Max Marks		ark o
49	50	Excellant work done .	23/5/2024

Student should be evaluated based on following parameters proportionally:

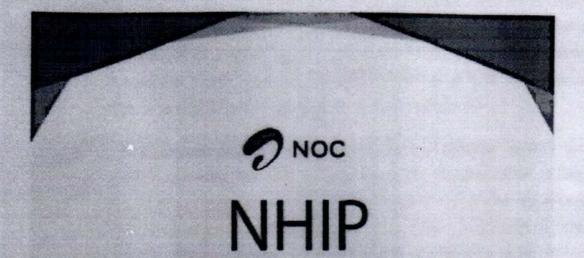
- 1. Knowledge Acquisition.
- 2. Problem Identification.
- 3. Implementation of knowledge to solve required problem.

TPO

Contact Us:

Address: Training and Placement Cell, GNDEC, Gill Road, Ludhiana-141006
E-mail: tpo@gndec.ac.in or gagan_sodhi76@yahoo.com
Cell: +91 - 9872219178 Phone No.: 0161-5064510, 5064511

Company Certificate



Completion Certificate

THIS CERTIFICATE IS AWARDED TO

RITESH KUMAR

for successfully completing the assessment and receiving a passing score of 86.00 % On 12 March 2024

Pankaj Chopra (NOC Head)

Bhawna Gupta (NOC HR Head)

Company Certificate



TRAINING CERTIFICATE

Argusoft India Ltd

Argus

May 9, 2024

Project Completion Certificate

This is to certify that Mr. Gurkirat Singh has successfully completed his final year project entitled "Canteen management system" from date Jan 2, 2024 to May 9, 2024

Technology Used: Java, Angular, PostgreSQL

He has a bright and analytical mind. He is good at his concepts and implements them effectively in the moduler assigned to him during his project. During the project, we found him to be sincere, honest, and hardworking.

We wish him all the best for his future.

Signature

stof Dugi

Project Guide (Mr. Braj Dangi)

A66, Sector 25, GIDC Electronic Estate, Gandhinagar 382 016. Gujarut, INDIA

was appeared from I buil agree of east

COMPANY CERTIFICATE



RPMAG Assurance and Consolling Services LLP Stoking No. 10. 8th Floor, Tower B DLP Cyber City, Phase - II Ourogram - 122 002 (India) Tel: +81 124 307 4000 Fee: +91 124 264 8101

14 May 2024

In Whomourver It May Concern

Thus to be constron that Mchakproot Bhatra is doing an internality with us in our Corrugram of few from 20 Jan 2024 to 29 July 2024.

Note in a part of DT Cyber Assurance and has successfully contributed to institutionalizing the proped savigned.

During the tenue of the internable, the is diligently supporting the project and adhering to the temelines. The integrated well with the project team and performed in line with the expectations

Thunking you

Years assertly for KPMC Assertance and Consulting Services LLP

Urvie Gupta

COMPANY CERTIFICATE



To Whomsoever It May Concern

Date: 15" May 2024

This is to certify that Ms. Jaspreet Kaur(Roll No.2004597) studying at department of Computer Science and Engineering, from Guru Nanak Dev Engineering College, Ludhiana has done her 6 months internship at Nebero Systems Pvt. Ltd. from January 2024 to May 2024.

During this period her area of responsibility was Full Stack development using VueJs and VOIP administration. She has also worked on multiple projects (Firewall, Call Center Software) during her internship period.

During this training Ms. Jaspreet remained involved in her work dedicatedly. We found her pretty active whatever task we have provided her. She is a confident person. Her performance met with the expectations and was able to complete the assigned task successfully.

We wish her success in all future endeavours.

For Nebero Systems Pvt. Ltd

FOR MEGERIO SYSTEMS PRIVATE LINES ...

Sukhpreet Kaur

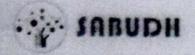
(Director)

NEBERD SYSTEMS PVT. LTD.

© Plot No: 691, industrial Area, Sector 82, S.A.S. Nagar, Mohall-140308 Punjab, India.

© prove,neberosystems.com | @ info@neberosystems.com | @ +91 8556 900 900 | CIN:U72900P82009PTC032627

COMPANY CERTIFICATE



Provisional Training Certificate

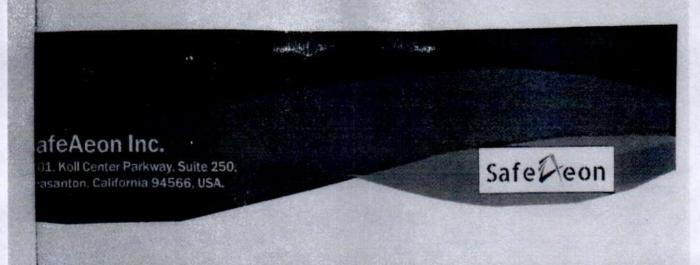
This is to cortify that Ms. Handspread Know constitud at Corp Name. Dev Expressions & Advantage is currently undergoing training in Data Science at Submits Foundation. The Training duration is 6 months. constituting from Jones 2024.

Me Keer is actively engaged to the propert. Parang and Information Retrieval from Decisional sound Large Language Medicis.

Her performance to the intereship has been good scoring as principle of 72 77% from luminary to April

-

Name I .



TO WHOM IT MAY CONCERN

This is to certify that Ms. Dikshita, D/O Mr. Randeep student of the Department of Computer Science and Engineering, Guru Nanak Dev Engineering College, Ludhiana having Reg no-2104221, has started an internship as a SOC Analyst from January 02, 2024, to till date, under the guidance of the Senior team.

During her internship, she is exposed to different processes and is diligent, hardworking, and inquisitive. The information presented in this report is authentic.

Sincerely,

Gurwinder Singh

Director of Talent Acquisition, SafeAeon Inc.

Date: May 16, 2024

www.atylumus.at

stylumia

May 20, 2024

To Whomsoever It may concern.

This is to certify that Kunwar Chetan Singh, with the USN: 2004826, is currently doing his internship of 6 months on the following project.

- E-commerce Data Extraction

 - Improve the quality of the Stylumia Data collection engine
 Work to make Stylumia completely self-reliant on data extraction

The Internship is ongoing under the guidance of Ms Shreya Mittal. The internship started on Jan 5, 2024 .

His conduct and performance during the internship have been satisfactory.

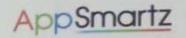
Sincerely.

For Stylumia Intelligence Technology Pvt Ltd

Sharath Puranik

Director, Product & Engineering

Stylamia intelligence Technology Pvt. Ltd. 3438, 3rd Cross Rd. Stage 3.



Ref No: AS/TR-C/2023-24/ASTR055

Date: 29/12/2023

To Whomsoever It May Concern

This is to inform you that Ms. Kunal Kamboj D/o Mr. Sanjeev Kumar, a student of GNDEC has successfully completed his internship in Web Designing from AppSmartz during the period from 7 August 2023 to 29 December 2023.

During the period of his training programme with us, we found him technically sound, sincere, hardworking and result oriented.

We wish him every success in life.

AppSmartz

FOR APPSMARTZ

Authorised Signatory

Authorized Signatory

Contact: +91-8000190000





Ref: HM/IL/2023-2024/613 Date: 17th November, 2023

To,

Mr. Kumar Abhinav

Guru Nanak Dev Engineering College , Ludhina (Punjab)

Internship Offer

We are pleased to extend an offer for the position of Intern (Software Developer Trainee) at Hoping Minds (A Venture of Katina Skills Private Limited). We believe that your skills and experiences will make a valuable contribution to our team.

Start Date: January 2024

Internship Duration: 6 Months

Work Location: HM HQ, Sector 75, Mohali

During your internship Basis of Your performance, you are eligible for a stipend up to of INR 16000/- and will work on emerging technologies with the opportunity to work on live projects with our clients.

Roles and Responsibilities

Your exact roles and responsibilities will be profiled at the time of joining the organisation. Some responsibilities that we foresee will be as follows:

- Learning and Training: Understanding programming languages, frameworks, tools, and the company's development processes.
- Code Development: Write, test, and debug code under the guidance of team members.
- Documentation: Document your code, processes, and any issues faced during development.
- Assisting Seniors: Support experienced members in their tasks. This might involve code reviews, research, or helping to troubleshoot problems.
- Collaboration: Participate actively in team meetings, discussions, and brainstorming sessions.
- Adaptability: You might need to wear multiple hats, switch roles, and adapt to changing priorities.
- Ownership and Initiative: Take ownership of tasks and projects Initiative is crucial
- Problem-Solving: Be a proactive problem solver. Identify challenges and come up with innovative solutions that help in growth of business.
- Collaboration: Work closely with other team members to achieve goals efficiently.
- Execution and Action: Turn ideas into actions.









Supervision and Mentorship

During your internship, you will be supervised by your Team Leader / Manager, who will provide guidance and support to ensure a successful development experience. Additionally, you will have the opportunity to work closely with other team members who are eager to share their knowledge and expertise.

Performance Evaluation and Compensation

Your performance will be regularly evaluated, and feedback sessions will be scheduled to discuss your progress, strengths, and areas for improvement. The decision to initiate the stipend will be based on a positive evaluation of your performance and on satisfying a minimum of 90% attendance criteria throughout the internship period.

After successful completion of internship and satisfying the parameters, you may be absorbed as a full-time employee at Hoping Minds. Your full-time role will be basis your performance and company requirements.

We are excited about the opportunity to work with you and believe that this internship will provide valuable experiences and insights that will contribute to your professional development.

We look forward to welcoming you to the Hoping Minds team and wish you a successful and enriching internship experience.

Sincerely,

KATINA SKILLS PVT. LTD.

Team Hoping Minds







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

Propelling Punjab to a Prosperous Knowledge Society
Estd. 1997

Jalandhar-Kapurthala Highway, Kapurthala-144601.Ph; 01822-662558

CERTIFICATE FROM SUPERVISOR/CO-SUPERVISOR FOR ENROLMENT IN Ph.D.

Note: Form should be duly typed. Manually filled Form will not be accepted.

Certified that:

- 1. I hereby submit my consent to act as **co-supervisor** of the candidate <u>CHAHAT JAIN</u> (Provisional Registration No.<u>1905006</u>), D/o Sh. Gulshan Jain for Ph.D. research work in the stream <u>Engineering and</u> Technology and discipline Electronics and Communication Engineering.
- 2. I do not have any close relation with the candidate.
- 3. I am already approved by IKGPTU, for guiding Ph.D. research candidates, as supervisor in the field of Mechanical Engineering under supervisor ID 11060006.
- 4. The following number of research scholars are pursuing their Ph.D. research work under my supervision and including this candidate, it is within the limit, as mentioned in the Ph.D. regulations of IKGPTU for my designation: (Maximum number of candidates can be registered for enrolment to PhD degree under a faculty as a supervisor =8, as a co-supervisor=4, total=12. In case of combined supervision/co-supervisor, load should not be divided among the supervisors or co-supervisors)
- a) Number of Ph.D. students enrolled under a faculty as supervisor in PTU (including this candidate)

--- NIL---

(Mentioned name and provisional registration number of enrolled candidates)

b) Number of Ph.D. students enrolled under a faculty as co-supervisor in PTU (including this candidate)

01 (Name: Chahat Jain, Provisional Reg. No. 1905006)

(Mentioned name and provisional registration number of enrolled candidates)

- c) Seats vacant (excluding this candidate) <u>02</u>
- d) Number of Ph.D. students enrolled in other institute/University 06
- e) Date of Superannuation: 31 March 2044

Date: 18.8.2020

KA

(Signatures)

Name of Supervisor: Dr. Rupinder Singh

Designation: Professor (Mechanical Engineering)

E-mail I.D: rupindersingh@nitttrchd.ac.in

Institute: NITTTR, Chandigarh University: IKGPTU, Jalandhar

निदेशक/Director राष्ट्रीय **तकनी**की शिक्षक प्रशिक्षण एवं अनुसंधान संस्थान National Institute of Technical Teachers Training & Research सैक्टर/Sector 26, चण्डीगढ़/Chandigarh

e accepted without signature of Principal/stamp)



ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਜਲੰਧਰ, ਕਪੂਰਥਲਾ

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY JALANDHAR, KAPURTHALA

A State University Established Under Punjab Technical University Act. 1996 (Punjab Act No. 1 of 1997)

Dated 20 9 / 202 2

Office of Dean (R&D)

Ref. No. 1KGPTU/R8D/1114

Ms. Simranjit Kaur
52 Rose Enclave, Civil Lines
Ludhiana, Punjab-141001

Subject: Confirmation of registration in the Ph.D. programme.

Dear Scholar,

Refer to the subject citied above, this letter is to confirm your registration in the Ph.D. programme as per clause no. 11(b) of IKG PTU Ph. D regulations of 2016. We hereby confirm your registration for pursuing Ph. D programme in the Faculty of Engineering & Technology. You shall be governed by the Ph. D regulations 2016 of the University. Your registration details are as under:

Name of the Department	Electronics & Communication Engineering		
Name of Supervisor	Dr. Balwinder Singh Dhaliwal, Associate Professor, NITTTR Chandigarh		
Name of Co-Supervisor	NA NA		
Registration No.	2105002		
Date of Registration	16-03-2021		
Tentative Topic	investigations on the design of optically transparent antennas for next generation wireless applications		
Note	The confirmation letter shall be valid for 6 years for Library access		

The registration number allotted to you be used for all future communication with the University. Further, as per the IKGPTU's Ph. D regulations of 2016, you shall appear before the Research Advisory Committee (RAC) once in six months till the submission of pre-Ph.D. report to present progress of your research work for evaluation and further guidance.

The Supervisor will ensure that the observations of RAC are fully adhere to.

Yours faithfully,

Dean (R&D)

00

CC

- 1. Supervisor
- 2. HOD, Electronic & Communication Engineering, IKGPTU

"Propelling Punjab to a Prosperous Knowledge Society"

I.K. Gujral Punjab Technical University

Jalandhar Kapurthala Highway, Kapurthala - 144603

Ph.: 01822-282569, 282572 Website: www.ptu.ac.in Email: deanric@ptu.ac.in





- ☐ Training program on Design and Manufacturing
- with disability Relaxation
- **■** University Noting

Important Link

- **■** Synopsis
- Abstract

Other

- **■** Profile

Registration No. Supervisor
1505005 Dr. Jagroop Singh S Dr. Jagroop Singh Sidhu 24 Dec 2014

Enrolled On





PROFILE

Home / Profile

☑ Edit Profile

Personal Information



Name	GURJOT KAUR WALIA	Provisional Number	1505005
Supervisor Name	Dr. Jagroop Singh Sidhu	Co-Supervisor Name	
Regional Center			

Father's Name	BALJIT SINGH WALIA	Mother's Name	JAGJIT KAUR WALIA
Date of Birth	02-10- 1988		
Gender	Female	Nationality	
Contact Number	9464412074	Category	General
Permanent Address	HOUSE NO. 15, STAFF COLONY, GURU NANAK DEV ENGINEERING COLLEGE, G ILL ROAD Ludhiana - 141006 Punjab	Correspondence Address	HOUSE NO. 15, STAFF COLONY, GURU NANAK DEV ENGINEERING COLLEGE, G ILL ROAD Ludhlana - 141006 Punjab

ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ (1961 ਦੇ ਪੰਜਾਬ ਐਕਟ ਨੀ: 35 ਤਹਿਤ ਸਥਾਪਤ) (ਅਕਾਦਮਿਕ ਖੋਜ ਬੁਾਂਚ)

ਨੰਬਰ:-ਮਿਤੀ: /ਰਿਸਰਚ

• ਰਜਿਸਟਰਡ

Harminder Kaur

Father's Name: Sh. Kewal Singh

Add:- # 6253/2, street No. 5 New Janta Nagar, Ludhiana

ਵਿਸ਼ਾ : ਪੀਐਚ.ਡੀ. ਡਿਗਰੀ ਲਈ ਰਜਿਸਟ੍ਰੇਸ਼ਨ ਪੱਤਰ।

ਤੁਹਾਨੂੰ ਇਹ ਜਾਣ ਕੇ ਖੁਸ਼ੀ ਹੋਵੇਗੀ ਕਿ ਫੈਕਲਟੀ ਆਫ਼ ਇੰਜੀਨੀਅਰਿੰਗ ਐਂਡ ਟੈਕਨਾਲੌਜੀ ਦੇ ਬੋਰਡ ਆਫ਼ ਪੋਸਟ ਗ੍ਰੈਜੂਏਟ ਸਟੱਡੀਜ਼ ਐਂਡ ਰਿਸਰਚ ਨੇ ਮਿਤੀ 24.02.2022 ਦੀ ਇਕੱਤਰਤਾ ਵਿੱਚ ਤੁਹਾਡੀ ਪੀਐਚ.ਡੀ. ਡਿਗਰੀ ਲਈ ਰਜਿਸਟ੍ਰੇਸ਼ਨ ਨਿਮਨਲਿਖਤ ਮਿਤੀ ਤੋਂ ਪ੍ਰਵਾਨ ਕਰ ਲਈ ਹੈ ਅਤੇ ਤੁਹਾਡੇ ਖੋਜ-ਨਿਬੰਧ ਦਾ ਵਿਸ਼ਾ ਅਤੇ ਨਿਗਰਾਨ ਹੇਠ ਲਿਖੇ ਅਨੁਸਾਰ ਪ੍ਰਵਾਨ ਕੀਤੇ ਹਨ:

ਰਜਿਸਟ੍ਰੇਸ਼ਨ ਦੀ ਮਿਤੀ		28.6.2021(DRB Date)
ਵਿਸ਼ਾ		INVESTIGATIONS AND PERFORMANCE ENHANCEMENT OF RADIO OVER FIBER (RoF) IN THE OPTICAL COMMUNICATION SYSTEM AND NETWORK
ਨਿਗਰਾਨ	1	Dr. Manjit Singh Bhamrah
ਸਹਿ-ਨਿਗਰਾਨ	(3)	Dr. Baljeet Kaur

ਤੁਸੀਂ ਰਜਿਸਟ੍ਰੇਸ਼ਨ ਸਬੰਧੀ ਲੋਤੀਂਦੇ ਦਸਤਾਵੇਜ਼ (ਮੂਖੀ ਰਾਹੀਂ), ਸਾਲਾਨਾ ਫੀਸ (ਰੁਪਏ 3000/-) ਅਤੇ ਬਣਦੀ ਲੈਬ ਫੀਸ (ਜੇਕਰ ਲਾਗੂ ਹੋਵੇ ਤਾਂ) ਖੱਤਰ ਜਾਰੀ ਹੋਣ ਦੀ ਮਿਤੀ ਤੋਂ ਇਕ ਮਹੀਨੇ ਦੇ ਅੰਦਰ-ਅੰਦਰ ਸਬੰਧਿਤ ਵਿਭਾਗ ਵਿਖੇ ਜਮ੍ਹਾਂ ਕਰਵਾਉਣੇ ਹੋਣਗੇ। ਅਜਿਹਾ ਨਾ ਕਰਨ ਦੀ ਸੂਰਤ ਵਿਚ ਨਿਯਮਾਂ ਅਨੁਸਾਰ ਬਣਦੀ ਲੇਟ ਫੀਸ ਚਾਰਜ ਕੀਤੀ ਜਾਵੇਗੀ। ਨਿਯਮਾਂ ਦੀ ਪਾਲਣਾ ਦੀ ਅਣਹੋਂਦ ਵਿੱਚ ਤੁਹਾਡੀ ਰਜਿਸਟ੍ਰੇਸ਼ਨ ਕੈਂਸਲ ਕੀਤੀ ਜਾ ਸਕਦੀ ਹੈ। ਇਹ ਸਪੱਸ਼ਟ ਹੈ ਕਿ ਰਜਿਸਟ੍ਰੇਸ਼ਨ ਦੀ ਮਿਤੀ ਤੋਂ ਛੇ-ਛੇ ਮਹੀਨੇ ਬਾਅਦ ਛਿਮਾਹੀ ਪ੍ਰਗਤੀ ਰਿਪੋਰਟਾਂ ਅਤੇ ਇਕ ਸਾਲਾਨਾ ਸੈਮੀਨਾਰ ਪੀਐਚ.ਡੀ. ਆਰਡੀਨੈਂਸ ਵਿਚ ਦਿੱਤੇ ਸ਼ੈਡਿਊਲ ਅਨੁਸਾਰ ਅਕਾਦਮਿਕ ਖੋਜ ਬ੍ਰਾਂਚ ਵਿਖੇ ਪੁੱਜਦੇ ਕਰਨੇ ਹੋਣਗੇ। ਇਸ ਉਪਰੰਤ ਨਿਯਮਾਂ ਅਨੁਸਾਰ ਜੁਰਮਾਨਾ ਵਸੂਲਿਆ ਜਾਵੇਗਾ। ਤੁਸੀਂ ਪੀਐਚ.ਡੀ. ਨਾਲ ਸਬੰਧਤ ਹੋਰ ਜਾਣਕਾਰੀ (ਵਾਧੇ ਸੰਬੰਧੀ ਨਿਯਮ ਆਦਿ) ਯੂਨੀਵਰਸਿਟੀ ਦੀ ਵੈਬਸਾਈਟ punjabiuniversity.ac.in ਤੋਂ ਪ੍ਰਾਪਤ ਕਰ ਸਕਦੇ ਹੋ।

ਆਪਣੇ ਮੈਟ੍ਰਿਕ ਜਾਂ ਇਸ ਦੇ ਬਰਾਬਰ ਦੀ ਪੰਜਾਬੀ ਪਾਸ ਦਾ ਸਰਟੀਫਿਕੇਟ ਜੇਕਰ ਪਹਿਲਾਂ ਨਹੀਂ ਦਿੱਤਾ ਤਾਂ ਹੁਣ ਭੇਜ ਦਿੱਤਾ ਜਾਵੇ। ਜੇਕਰ ਤੁਸੀਂ ਇਹ ਪ੍ਰੀਖਿਆ ਪਾਸ ਨਹੀਂ ਕੀਤੀ ਤਾਂ ਹਰ ਹਾਲਤ ਵਿੱਚ ਪੀਐਚ.ਡੀ. ਦੇ ਵਾਈਵਾ-ਵੋਸ (Viva-Voce) ਇਮਤਿਹਾਨ ਤੋਂ ਪਹਿਲਾਂ ਪੰਜਾਬੀ ਪਾਸ ਕਰਨ ਦਾ ਸਬੂਤ ਪੇਸ਼ ਕੀਤਾ ਜਾਵੇ।

ਜੇਕਰ ਤੁਸੀਂ ਇਸ ਯੂਨੀਵਰਸਿਟੀ ਵਿਖੇ ਪਹਿਲਾਂ ਰਜਿਸਟਰਡ ਨਹੀਂ ਹੋ ਤਾਂ ਤੁਸੀਂ ਮਾਈਗ੍ਰੇਸ਼ਨ ਸਰਟੀਫਿਕੇਟ ਅਤੇ ਲੋਤੀਂਦੇ ਅਸਲ ਸਰਟੀਫਿਕੇਟ ਰਜਿਸਟ੍ਰੇਸ਼ਨ ਬ੍ਰਾਂਚ ਵਿਖੇ ਪੱਤਰ ਜਾਰੀ ਹੋਣ ਦੀ ਮਿਤੀ ਤੋਂ ਇੱਕ ਮਹੀਨੇ ਦੇ ਅੰਦਰ-ਅੰਦਰ ਜਮ੍ਹਾਂ ਕਰਵਾਉਣ ਉਪਰੰਤ ਰਜਿਸਟ੍ਰੇਸ਼ਨ ਨੰਬਰ ਅਲਾਟ ਕਰਵਾਓ, ਅਜਿਹਾ ਨਾ ਕਰਨ ਦੀ ਸੂਰਤ ਵਿੱਚ ਨਿਯਮਾਂ ਅਨੁਸਾਰ ਲੋਟ ਫੀਸ ਵਸੂਲ ਕੀਤੀ ਜਾਵੇਗੀ।

ਤੁਸੀ ਪੀਐਚ.ਡੀ. ਦੌਰਾਨ ਕੋਈ ਹੋਰ ਮੇਜਰ ਪ੍ਰੀਖਿਆ ਨਹੀਂ ਦੇ ਸਕਦੇ।

ੁਰਾਹਾਂ -ਸਹਾਇਕ ਰਜਿਸਟਰਾਰ (ਰਿਸਰਚ)

ਪਿੱਠ ਅੰਕਣ ਨੰਬਰ 1514

/ਰਿਸਰਚ

flist 13-4-2022

ਉਪਰੌਕਤ ਦਾ ਉਤਾਰਾ ਹੇਠ ਲਿਖਿਆਂ ਨੂੰ ਜਾਣਕਾਰੀ ਅਤੇ ਅਗਲੇਰੀ ਕਾਰਵਾਈ ਹਿੱਤ ਭੇਜਿਆ ਜਾਂਦਾ ਹੈ:-ਮੁਖੀ, ਇਲੈਕਟ੍ਰੋਨਿਕਸ ਅਤੇ ਕਮਿਊਨੀਕੇਸ਼ਨ ਇੰਜੀਨੀਅਰਿੰਗ ਵਿਭਾਗ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।

2. ਨਿਗਰਾਨ: ਡਾ. ਮਨਜੀਤ ਸਿੰਘ ਬੰਮਰਾ, ਪ੍ਰੋਫੈਸਰ, ਇਲੈਕਟ੍ਰੋਨਿਕਸ ਅਤੇ ਕਮਿਊਨੀਕੇਸ਼ਨ ਇੰਜੀਨੀਅਰਿੰਗ ਵਿਭਾਗ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।

3. ਸਹਿ-ਨਿਗਰਾਨ: ਡਾ. ਬਲਜੀਤ ਕੌਰ, ਅਸਿਸਟੈੱਟ ਪ੍ਰੋਫੈਸਰ, ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਇੰਜੀਨੀਅਰਿੰਗ ਕਾਲਜ, ਲੁਧਿਆਣਾ।

ਨਿਗਰਾਨ (ਰਜਿਸਟ੍ਰੇਸ਼ਨ): 7141-18-841

ਸਹਾਇਕ ਰਜਿਸਟਰਾਰ (ਰਿਸਰਚ)

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SCL:HRDD:8001:Jan.2024:01 May 17, 2024

सेमी - कंडक्टर लेबोरेटरी Semi-Conductor Laboratory

Ministry of Electronics & Information Technology इलेक्ट्रॉनिक और सूचना प्रौद्योगिकी मंत्रालय Govt of India/भारत सरकार

सैक्टर-72, सा. अ. सि. नगर - 160071 Sector 72, S.A.S. Nagar -160 071 (चण्डीगढ़ के समीप) पंजाब मारत (Near Chandiagrh) Punjab, India टेलीफोन / Phone: (0172)-229-8000,6100,6200,6300,6400 फैक्स / Fax: 0172-2237410 वेबसाइट / Website: www.sci.gov.in

CERTIFICATE

This is to certify that Mr. Ratshak Gulati (Roll No.2004850)
B.Tech- Electronics and Communication Engineering student of
Guru Nanak Dev Engineering College, Ludhiana, Punjab has
completed his Internship Training successfully, as part of his
B.Tech Curriculum on the topic of "Development of
Automated Wafer Inking System" from January 08, 2024 to
May 17, 2024 at Semi-Conductor Laboratory.

(Prinsa Verma) Dy. Head-HRDD

हो है। इस बर्गा (Pr Prinsa Verma उद द्वारा, राज्य संस्थान विकास प्रशान (द्वाराज्योती) Dy Head, Human Resource Development Division (HRCD) रेगी-कंटबरर सेजीरजे / Semi-Conductor Laboratory इक्ट्रिक्ट के स्थार के प्रशास के स्थान क्रिक्टिंग की स्थान प्रदेशकार स्थानहरूं क्रिक्ट प्रशास कर (Sector-TZ, SAS, Nagar-MODT)



सेमी – कंडक्टर लेबोरेटरी Semi-Conductor Laboratory

Ministry of Electronics & Information Technology इलेक्ट्रॉनिक और सूचना प्रौद्योगिकी मंत्रालय Govt of India /भारत सरकार

SCL:HRDD:8001:Jan.2024:01

May 17, 2024

सैक्टर - 72 , सा. अ. सि. नगर - 160071 Sector 72, S.A.S. Nagar -160 071 (चण्डीगढ़ के समीप) पंजाब,भारत (Near Chandiagrh) Punjab, India

टेलीफोन/Phone :(0172)-229-6000,6100,6200,6300,6400

फैक्स / Fax : 0172- 2237410 वेबसाइट / Website : www.scl.gov.in

CERTIFICATE

This is to certify that Mr. Satnam Singh (Roll No.2104453) B.Tech- Electronics and Communication Engineering student of Guru Nanak Dev Engineering College, Ludhiana, Punjab has completed his Internship Training successfully, as part of his B.Tech Curriculum on the topic of "Development of Automated Wafer Inking System" from January 08, 2024 to May 17, 2024 at Semi-Conductor Laboratory.

ही दिन्स वर्म / Dr. Prinsa Verma उप प्रमुख, मानव संसाधन विकास प्रभाव (एपअरडीडी) / Dy. Head, Human Resource Development Division (HRDD) संभी-कंडक्टर लेकेंट्रिंग / Semi-Conductor Laboratory इमेक्ट्रिनिकी और सूपना प्रेट्पोकिको संबालय / Ministry of Electronics & Information Technology भारत सम्बार / GovL of India सैक्टर-72, सा.ज.सि. नम / Sector-72, S.A.S. Nagar-160071



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Ministry of Electronics & Information Technology इलेक्ट्रॉनिक और सूचना पौद्योगिकी मंत्रालय Govt of India/भारत सरकार

SCL:HRDD:8001:Jan.2024:01 May 15, 2024

सैक्टर - 72, सा. ज. सि. नगर - 160071 Sector 72, S.A.S. Nagar - 160 071 (चण्डीगढ़ के संगीप) पंजाब,भारत (Near Chandiagth) Punjab, India

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भौक्स/Fax : 0172-2237410 वेबसाइट / Website : www.scl.gov.in

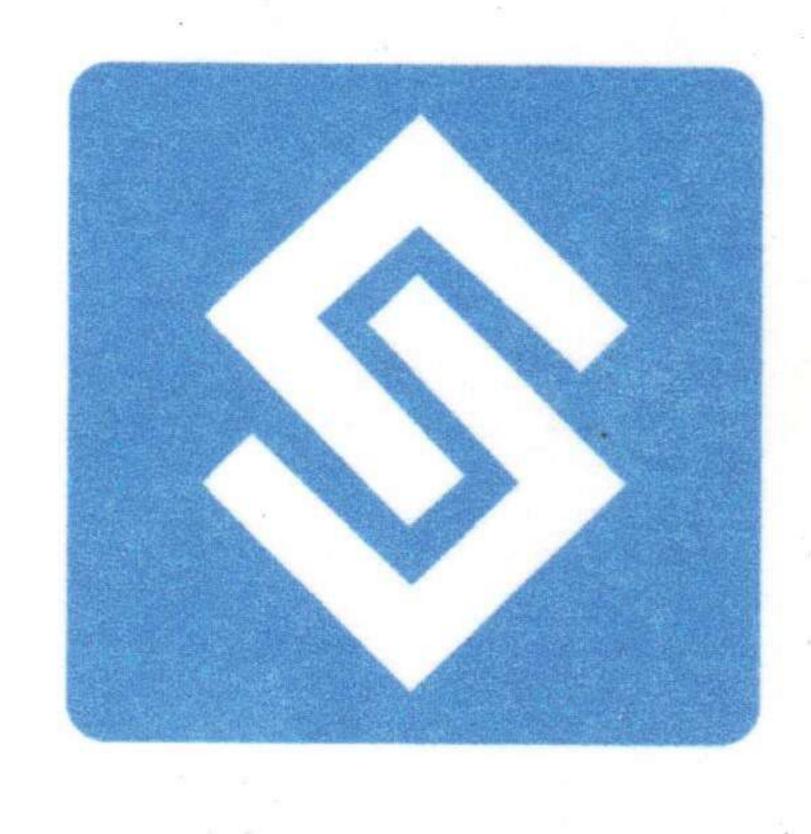
CERTIFICATE

This is to certify that Mr. Amritpal Singh Ganshie (Roll No. 2004800) B.Tech- Electronics & Communication Engineering student of Guru Nanak Dev Engineering College, Ludhiana has completed his Internship Training successfully, as part of his B.Tech Curriculum on the topic of "Measurement of the Thickness of Oxide and Nitride Layer using Ellipsometer" from January 08, 2024 to May 15, 2024 at Semi-Conductor Laboratory.

(Prinsa Verma)

Dy. Head-HRDD

श्री दिन्स वर्ध / Dr. Prinsa Verma उप प्रमुख, मन्द्र संस्थान विकास प्रभाव (एक्क्सरकीक्षे)/ Dy. Head, Human Resource Development Division (HRDD) नेमी-कंपकटर नेपॉस्टरो / Semi-Conductor Laboratory इनेक्ट्रिको और सूचन पीट्योको संस्था/ Ministry of Electronics & Information Inchnology प्रकार संस्था / Boyt of India



सेमी - कंडक्टर लेबोरेटरी Semi-Conductor Laboratory

Ministry of Electronics & Information Technology इलेक्ट्रॉनिक और सूचना प्रौद्योगिकी मंत्रालय Govt of India /भारत सरकार

SCL:HRDD:8001:Jan.2024:01

June 28, 2024

सैक्टर - 72, सा. अ. सि. नगर - 160071 Sector 72, S.A.S. Nagar -160 071 (चण्डीगढ़ के समीप) पंजाब, भारत (Near Chandiagrh) Punjab, India

टेलीफोन/Phone :(0172)-229-6000,6100,6200,6300,6400

फेक्स/Fax: 0172-2237410 वेबसाइट / Website : www.scl.gov.in

CERTIFICATE

This is to certify that Mr. Gurjot Singh (Roll No.2004815) B.Tech-Electronics and Communication Engineering student of Guru Nanak Dev Engineering College, Ludhiana has completed his Internship Training successfully, as part of his B.Tech Curriculum on the topic of "Metallic Contamination in CMOS Devices: Its Sources, Effects on Devices and Quantification" from January 08, 2024 to June 28, 2024 at Semi-Conductor Laboratory.

(Prinsa Verma)

Dy. Head-HRDD

औ दिस्सा वर्मा/ Dr. Prinsa Verma

उप प्रमुख, मानव संसाधन विकास प्रभाग (एचआरडीडी)/

Dy. Head, Human Resource Development Division (HRDD) सेमी-कंडक्टर लेवोरेटरो / Semi-Conductor Laboratory इलेक्ट्रॉनिकी और सचना पोदयोगिको मंत्रालय/

Ministry of Electronics & Information Technology

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\$662-72, \$6.31,fq. 747 / Sector-72, S.A.S. Nagar-160071