

INTERNAL QUALITY ASSURANCE CELL

3.5.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

S.No.	Documents Attached	Page No.
1.	YBI Foundation	2
2.	Mercedes Benz	17
3.	UPCST	24
4.	REGAN SOFTWARE PARTIES	28
5.	VDT Pipeline Integrity Solution Pvt Ltd	65
6.	GI Ventures Global Infoventures PVT Ltd	69
7.	Space Applications Centre, ISRO	73
8.	Mitsubishi Electric India Pvt. Ltd	76
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8.	Mitsubishi Electric India Pvt. Ltd	76
9.	MNIT Allahabad	78



presented to

Ybi Riya Sainition

has successfully completed one month Artificial Intelligence and Machine Learning certificate program cum internship on Thursday, Sep 21 2023 at Ybi Foundation



verify at https://www.ybifoundation.org/certificate-validation



Credential ID: B0V6MPDA6EGZI



presented to

Suman Barman

has successfully completed two weeks Data Science and Machine Learning certificate program cum internship on Sunday, Nov 19 2023 at Ybi Foundation



verify at https://www.ybifoundation.org/certificate-validation



www.ybifoundation.org (+91) 9667987711 support@ybifoundation.org

Credential ID: G1H7EYGOO3LEY



presented to

ARYAN VERMA

has successfully completed one month live Artificial Intelligence and Machine Learning certificate cum internship program on Monday, Oct 02 2023 at Ybi Foundation



Credential ID: UDIC81CSD24U9

verify at https://www.ybifoundation.org/certificate-validation

presented to



has successfully completed one month live Artificial Intelligence and Machine Learning certificate cum internship program on Monday, Oct 02 2023 at Ybi Foundation



verify at https://www.ybifoundation.org/certificate-validation

Credential ID: UDIC81CSD24U





presented to

Bhavesh Yadavon

has successfully completed one month Python Programming with Data Structures and Algorithms certificate program cum internship on Friday, Sep 22 2023 at Ybi Foundation



verify at https://www.ybifoundation.org/certificate-validation



www.ybifoundation.org (+91) 9667987711 support@ybifoundation.org

Credential ID: I449G9HBJ3ALR



Certificate of Completion

presented to

YbGourav Junejaion

has successfully completed one month live AI and Data Skills certificate cum internship program on Sunday, Sep 24 2023 at Ybi Foundation





verify at https://www.ybifoundation.org/certificate-validation



presented to

Ybi Krish Tyagition

has successfully completed two weeks Data Science and Machine Learning certificate program cum internship on Saturday, Nov 11 2023 at Ybi Foundation



verify at https://www.ybifoundation.org/certificate-validation



www.ybifoundation.org (+91) 9667987711 support@ybifoundation.org

Credential ID: HF8S56N9BYFDH



Certificate of Completion

presented to

Kunal Varshneyon

has successfully completed one month live Artificial Intelligence and Machine Learning certificate cum internship program on Monday, Oct 02 2023 at Ybi Foundation



Credential ID: UDIC81CSD24U9

verify at https://www.ybifoundation.org/certificate-validation



Certificate of Completion

presented to

VbLakshay Singhon

has successfully completed one month live Artificial Intelligence and Machine Learning certificate cum internship program on Monday, Oct 02 2023 at Ybi Foundation



Credential ID: UVVF3JX3AN476

verify at https://www.ybifoundation.org/certificate-validation

Certificate of Completion

presented to

YbiPriyam Singhion

has successfully completed one month live Artificial Intelligence and Machine Learning certificate cum internship program on Monday, Oct 02 2023 at Ybi Foundation



Credential ID: NPJW9P5Y194JD

verify at https://www.ybifoundation.org/certificate-validation

Certificate of Completion

presented to

Rishabh Katiyaron

has successfully completed one month live Artificial Intelligence and Machine Learning certificate cum internship program on Monday, Oct 02 2023 at Ybi Foundation



Credential ID: Z2KGLLRYQ2E85

verify at https://www.ybifoundation.org/certificate-validation

Certificate of Completion

presented to

Saksham Tandon

has successfully completed one month live AI and Data Skills certificate cum internship program on Wednesday, Sep 27 2023 at Ybi Foundation





verify at https://www.ybifoundation.org/certificate-validation



presented to

TANUSHREE Singh

has successfully completed two weeks Data Science and Machine Learning certificate program cum internship on Wednesday, Oct 04 2023 at Ybi Foundation



verify at https://www.ybifoundation.org/certificate-validation



www.ybifoundation.org (+91) 9667987711 support@ybifoundation.org

Credential ID: TOFOC13W04W5A





14364000011492986

presented to

Vedika Khandelwal

has successfully completed one month live Artificial Intelligence and Machine Learning certificate cum internship program on Monday, Oct 02 2023 at Ybi Foundation



Credential ID: Z2KGLLRYQ2E85

verify at https://www.ybifoundation.org/certificate-validation



presented to

Sourabh Vashistha

has successfully completed one month Artificial Intelligence and Machine Learning certificate program cum internship on Monday, Nov 13 2023 at Ybi Foundation



verify at https://www.ybifoundation.org/certificate-validation



www.ybifoundation.org (+91) 9667987711 support@ybifoundation.org

Credential ID: ZHZ69GAW95D9E





25th October 2023

To Whomsoever it May Concern

This is to certify that Mr. Aman Dhaboriya, a student of "KIET", has under gone his internship Training from 19th July 2023 to 17th August 2023 in Customer Services Department.

He has successfully completed his training and his conduct during this period has been appreciable.

We wish his all the success in future.

Nitin Garg (Asst. General Manager - HR)



Sales: Delhi: 50 B, Diplomatic Enclave, The Ashok Hotel, Chanakyapuri, New Delhi - 110021 Noida: D 7, Sector 8 - 201301

Customer Service:

Noida: D 7, Sector 8 - 201301 Delhi: 52 & 59 Rama Road, Kirti Nagar, Opposite Moments Mall - 110015 Ghaziabad: Sahibabad Ind. Area, Site IV, Near Vaishali Metro Station - 201010

Registered office: 50 B, Diplomatic Enclave, The Ashok Hotel, Chanakyapuri, New Delhi - 110021 Phone +91 - 9999 200 500 | CIN : U50200DL2012PTC234354

and Mercedes-Benz are registered trademarks of Daimler AG, Stuttgart, Germany



25th October 2023

To Whomsoever it May Concern

This is to certify that Mr. Bhavya, a student of "KIET", has under gone his internship Training from 19th July 2023 to 31st August 2023 in Customer Services Department.

He has successfully completed his training and his conduct during this period has been appreciable.

We wish his all the success in future.

Nitin Garg (Asst. General Manager - HR)



Sales:

Delhi: 50 B, Diplomatic Enclave, The Ashok Hotel, Chanakyapuri, New Delhi - 110021 Noida: D 7, Sector 8 - 201301

Customer Service:

Noida: D 7, Sector 8 - 201301 Dethi: 52 & 59 Rama Road, Kirti Nagar, Opposite Moments Mall - 110015 Ghaziabad: Sahibabad Ind. Area, Site IV, Near Vaishali Metro Station - 201010

Registered office:

50 B, Diplomatic Enclave, The Ashok Hotel, Chanakyapuri, New Delhi - 110021 Phone +91 - 9999 200 500 | CIN : U50200DL2012PTC234354



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25th October 2023

To Whomsoever it May Concern

This is to certify that Mr. Chitransh Tyagi, a student of "KIET", has under gone his internship Training from 19th July 2023 to 17th August 2023 in Customer Services Department.

He has successfully completed his training and his conduct during this period has been appreciable.

We wish his all the success in future.

Nitin Garg (Asst. General Manager - HR)



Delhi: 50 B, Diplomatic Enclave, The Ashok Hotel, Chanakyapuri, New Delhi - 110021 Noida: D 7, Sector 8 - 201301

Customer Service:

Noida: D 7, Sector 8 - 201301 Delhi: 52 & 59 Rama Road, Kirti Nagar, Opposite Moments Mall - 110015 Ghaziabad: Sahibabad Ind. Area, Site IV, Near Vaishali Metro Station - 201010

Registered office:

50 B, Diplomatic Enclave, The Ashok Hotel, Chanakyapuri, New Delhi - 110021 Phone +91 - 9999 200 500 | CIN : U50200DL2012PTC234354

and Mercedes-Benz are registered trademarks of Daimler AG, Stuttgart, Germany



25th October 2023

To Whomsoever it May Concern

This is to certify that Mr. Dheeraj Singh Karki, a student of "KIET", has under gone his internship Training from 19th July 2023 to 17th August 2023 in Customer Services Department.

He has successfully completed his training and his conduct during this period has been appreciable.

We wish his all the success in future.

Nitin Garg (Asst. General Manager - HR)



Dehi: 50 B. Diplomatic Enclave, The Ashok Hotel, Chanakyapuri, New Delhi - 110021 House, D.7. Sector 8 - 201301

Customer Service

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25th October 2023

To Whomsoever it May Concern

This is to certify that Mr. Harsh Gautam, a student of "KIET", has under gone his internship Training from 19th July 2023 to 17th August 2023 in Customer Services Department.

He has successfully completed his training and his conduct during this period has been appreciable.

We wish his all the success in future.

Nitin Garg (Asst. General Manager - HR)



Delhi: 50 B, Diplomatic Enclave, The Ashok Hotel, Chanakyapuri, New Delhi - 110021 Noida: D 7, Sector 8 - 201301

Customer Service:

Noida: D 7, Sector 8 - 201301 Delhi: 52 & 59 Rama Road, Kirti Nagar, Opposite Moments Mall - 110015 Ghaziabad: Sahibabad Ind. Area, Site IV, Near Vaishali Metro Station - 201010

Registered office:

50 B, Diplomatic Enclave, The Ashok Hotel, Chanakyapuri, New Delhi - 110021 Phone +01 - 0000 200 500 1 CIN : U50200DL2012PTC234354



25th October 2023

To Whomsoever it May Concern

This is to certify that Mr. Kartik Sharma, a student of "KIET", has under gone his internship Training from 19th July 2023 to 17th August 2023 in Customer Services Department.

He has successfully completed his training and his conduct during this period has been appreciable.

We wish his all the success in future.

Nitin Garg (Asst. General Manager - HR)



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Registered office.

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25th October 2023

To Whomsoever it May Concern

This is to certify that Mr. Ishan Sharma, a student of "KIET", has under gone his internship Training from 19th July 2023 to 17th August 2023 in Customer Services Department.

He has successfully completed his training and his conduct during this period has been appreciable.

We wish his all the success in future.

Nitin Garg (Asst. General Manager - HR)



Delhi: 50 B, Diplomatic Enclave, The Ashok Hotel, Chanakyapuri, New Delhi - 110021 Noida: D 7, Sector 8 - 201301

Customer Service:

Nolda: D 7, Sector 8 - 201301 Delhi: 52 & 59 Rama Road, Kirti Nagar, Opposite Moments Mall - 110015 Ghaziabad: Sahibabad Ind. Area, Site IV, Near Vaishali Metro Station - 201010

Registered office:

50 B, Diplomatic Ericlave, The Ashok Hotel, Chanakyapuri, New Delhi - 110021 Phone +91 - 9999 200 500 | CIN : U50200DL2012PTC234354



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Joint Director 27 th	April, 2024	Director

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(Radhey Lal)	27 th April, 2024	(D. K. Srivastava)
Joint Director	27 April, 2024	Director

Subject: Consultancy Project Offer Letter

31st August 2023

Dr. Rohit Vashisht Assistant Professor Department of Computer Science and Information Technology KIET Group of Institutions, Delhi-NCR, Ghaziabad.

Dear Dr. Vashisht,

I am delighted to extend our offer for your consultancy services in the project titled "AdminCRM - MatchMyFlight," a module within our product MatchMyFlight. Following our discussions, please find the terms and conditions of this offer outlined below.

Terms and Conditions:

- **Service Period**: Your service period shall be 18 months, starting from 5th September 2023, with the option for extension or termination with a 15-day notice on either side.
- **Payment**: Upon successful completion of the project, you will receive Rs. 2 Lacs INR as payment.
- **Work Arrangement**: You have the flexibility to work on the project remotely. Online meetings will be conducted to facilitate communication and track project progress.
- **Medical Fitness**: Your appointment is contingent on being medically (physically and mentally) fit, as determined by an authorized Medical Practitioner.
- **Confidentiality**: You are prohibited from publishing articles, delivering lectures, or making any communication to the press regarding the company's products without prior written permission.
- Secrecy Agreement: Maintain utmost secrecy regarding project documents, commercial offers, design documents, project cost & estimation, technology, software packages license, company policies, company patterns & trademarks, and company's human assets profile.
- **Compliance**: Adhere to all rules and regulations framed by the Company.
- **Non-Disclosure**: Any technical or important information obtained during your assignment should not be disclosed, divulged, or made public even after termination.

- **Termination**: Services may be terminated without notice if found non-performing or guilty of specified conduct, and the company may recover damages.
- **Ethical Conduct**: Refrain from accepting any present, commission, or gratification from any party having dealings with the company. Report any such offers to the Management.
- **Property Responsibility**: You are responsible for the safekeeping and return of all company property in your use, custody, or charge.
- **Benefits**: Apart from the mentioned terms, no additional benefits, such as medical benefits, are entitled.

With best wishes,

Regan Software LLC *Anjali Gupta* Designation: President

I agree to accept the project offer on the terms and conditions above mentioned. The original of this letter is in my possession.

Place: Date: Sign:

INTERNSHIP AGREEMENT

This offer letter is presented to Aditya Agnihotri confirming their internship on terms herein.

Identification of A. Regan 1. Software 8 The Green STE 4000, Dover, DE Registered Parties LLC ("Company") Address: 19901 United States (Includes their Entity No.: 93-2934480 permitted Representation: Anjali Gupta assigns and Email: support@matchmyflight.com authorized Address: Shahjahanfur Aadhar No.: 6002 0738 8244 B. Aditya Agnihotri representatives) ("Intern") PAN: EAEPAGG37K Student ID: 2125CSE1127 Institution: KIET Group of Institutions Email: aditya. 2/25CSE1127@ Kiet edu

2. Recitals

A. The Company is at the pilot stage of production and development of a social and application-based service ("Product") as defined in clause 13.4(a).

- B. Upon receiving a reference from Prof. Dr. Rohit Vashisht (clause 17), the company has decided to extend the opportunity of internship to the intern.
- C. The intern fully understands the presents herein, and thereby agrees and accepts this offer letter agreement.
- Tenure

 Party B shall join as an Intern on 19/09/2023 to contribute and fulfil tasks towards the development of the product under the guidance of the company.
 - b. Period of Internship: Six (6) months
 - c. Commencing from the date of joining, the intern shall be under probation with the company for three (3) months. The period of internship shall only be subject to extension for another three (3) months

or more based on the Intern's performance evaluation / review (which shall be conducted every two (2) months), and subject to clause 7 (a).

- d. Lock-in period shall be three (3) months.
- 4. Hours of Work
- a. Working Hours: 15 hours weekly
- b. Holiday: Saturday and Sunday provided an average of 3 hours/day of work accomplished throughout the week.
- c. Leave:
 - Sick Leave will be entertained upon authentic medical certificates.
 - Exam Leave based on communication and timetable issued by the college/university.
- Compensation

 From commencement date until revised by the company, the intern shall be rewarded a monthly stipend of INR 6000 (Rupees Six Thousand) only.
 - b. Stipend shall be released on the first week of each month directly to the intern's bank account as detailed below:

Beneficiary: Aditya Agnihotu Bank Name: Bank of Baroda Branch: Missifur N/c No .: 15260100020562 IFSC BARBOMISRIP

- Notice Period The Intern shall serve a 30-day notice period to the organisation. The company may issue termination without prior notice on grounds of breach of this agreement.
- Termination

 Following list is exhaustive and constitutes the ground for nullifying this and exit agreement:

formalities

 The company shall-terminate this agreement with immediate effect in writing on the grounds of non-performance, misconduct, breach of integrity, insubordination, insolvency or conviction involving moral turpitude, unauthorized absence from work for more than 5 days.

- The company shall terminate this agreement upon breach of any clause herein or company policies.
- iii. The company is at liberty to decide the extent of service it requires and reserves the right to cancel this contract if services are no longer required.
- b. After completion of the internship, the Recipient shall terminate, destroy and hand over access to all Confidential Information of the Disclosing Party back to them.
- Term

 Validity of this agreement is six (6) months with exceptions in context clauses 3(c) and 7.
 - b. Clause 13 shall have a validity of three (3) years.
- 9. Severability a. Clauses 13, 14, 15 shall survive the termination of this agreement.
 - b. In case any provisions of this Agreement are held unenforceable by a court or other tribunal of competent jurisdiction to be unenforceable, the remaining portions hereof shall remain in full force and effect.
- 10. Dispute Resolution
- a. Governing This Agreement shall be governed by the laws of India,
 Law: and the courts of concerned jurisdiction shall entertain appeals in connection to this agreement.
- b. Mediation: The Parties agree to first mediate any disputes or claims between them in good faith resolve the disputes amicably and share the cost of mediation equally.
- c. Arbitration: In case disputes are not mitigated through mediation; the parties shall invoke arbitration through written notice. Disputes arising out of or relating to this Agreement shall be settled by Arbitration per the Arbitration and Conciliation Act of India, 1996 before a sole arbitrator mutually appointed by the parties.

Proceedings shall be seated in Delhi and shall be conducted in English.

Waiver

 Failure to enforce rights herein at any time shall not be construed as a waiver of such rights, nor shall any single or partial exercise of any right /remedy preclude any further exercise of rights thereof or any other.

- b. An exception to this clause may only be invoked in the event of a force majeure.
- 12. Breach and The Intern acknowledges that any breach on the intern's part shall cause Relief Immediate and Irreparable harm to the company, thereby entitling the company to seek specific performance or injunctive relief, in addition to any other available remedies in law or equity, to remedy such breach or prevent its threatened occurrence.
- Non Disclosure The intern shall have a duty to protect all confidential information contained under this clause and not use the same in an unauthorized manner for Confidentiality exploitation or profits.
- 13.1. Disclosing Party: When a party is sharing or discloses Confidential Information with the recipient, hereinafter known as the "Discloser".
 - Receiving Party: When a party receives Confidential Information from the discloser, hereinafter known as the "Recipient".
- 13.2. Confidential
 All written / oral information that parties shall disclose / exchange under this

 Information
 Agreement relating to business affairs, any technical data, or know-how, including but not limited to:
 - a. inventions, ideas, processes, research, formats, formulas, human-readable code on any media, object code, data, programs, specifications, other works of authorship, improvements, discoveries, developments, designs and techniques;
 - product plans, products, services, customers, markets, software, developments, inventions, processes, designs, drawings, engineering, and hardware configuration information;

- c. non-public market information, product plans;
- d. marketing or finances of the company in any form, customer information, business plans and strategies, price lists and market studies; contracts and client databases, computer models and programs, research records, statistical methods of doing business, customers, finances, strategic and marketing plans, employee details, and other proprietary information relating to the business of the Company.
- confidentiality

Property

- 13.3. Excluded from Confidential Information shall exclude any information that:
 - a. Was publicly available without breach of this agreement;
 - b. Was in possession of the recipient without any confidential obligation;
 - c. Was independently developed by the recipient without using Confidential Information:
 - d. Is disclosed under statutory obligations, provided
 - i. Discloser is given prompt notice of such requirement and (where possible) provided the opportunity to contest it;
 - ii. the scope of such disclosure is limited to the extent possible.
- 13.4. Intellectual a. Product prototype of a digital ecosystem designed to facilitate matchmaking of co-passengers, with a focus on pairing young travelers with elderly passengers, whereby the platform shall operate on a revenue-sharing model where individuals assist fellow travelers for compensation while the platform operator shall collect a commission fee.
 - b. All rights over creations by the intern shall be that of the company and the intern hereby transfers the ownership of the -

Research and theses pioneered in relation to the project clause 13.4 (a) including, but not limited to integration with Payment Gateways, integration with Global Distribution System, scraping PDF/other formats, Peer-to-Peer Cell Phone Communication at 36,000 ft. Intuitive Charts using open source JS libraries, integration with Twilio to send programmable SMS and emails (transactional/marketing), Cost Savings for cloud, Cost savings for Twilio using 10DLC, identifying right marketing strategy and promotions on Social Media, building training module for service providers and people in need, identifying market competitors, building discussion forums/blogs/vlogs;

Technical modules created, including but not limited to Free Match Engine – Algorithms for Matching Travelers opting for Free Plan, Paid Match Engine – Algorithms for Matching Travelers opting for Paid Plan, Recommendation Engine - Algorithms for suggesting Offers & Promotions, Price Engine - Algorithms for suggesting price to service provider, Notification Engine - To send transactional SMS/email to customers who have opted-in, Schedulers - Algorithms to check for certain condition at a certain time and take actions accordingly, Ticket Booking Engine - Read SOAP/JSON responses from GDS and provide ticket booking experience to customers;

Assets built, including without limitations, Code and architecture diagram written, and Art and Design for any part of the product such as Website – Frontend and Backend, Infrastructure as a code – DevOps, App – iOS and Android;

Rights of publications to IEEE or similar technical forums shall be exclusive to the company and not the individual unless explicitly requested and approved by the company.

14. Indemnity and a. The intern represents and warrants that:

Warranty

- They have the legal right and authority to transfer the ownership contents in *clause 13.4 (b)* to the Company and no further third-party consents are required;
- The contributions in respect of clause 13.4 (b) are original and built independently by the intern and are not subject to any third-party claims;
- b. Both parties agree to indemnify each other in case of any third-party claims pertaining to *clause 13.4*.

- 15. Non Compete The Intern agrees not to engage in any manner, in any competitive business activities with the Company, including ownership, management, control, participation, consultation, or provision of services (as an intern or otherwise). This non-compete obligation applies throughout the internship and extends for two (2) years from the date of termination/dissolution of this contract.
- 16. Entire This Agreement constitutes the entire agreement between the Parties Agreement, relating to the matters discussed herein and supersedes any prior oral / Amendment written correspondence between the Parties. This Agreement may be amended or modified. This agreement or right herein is not assignable or transferable.
- 17. Miscellaneous The company has received a recommendation for the intern from Prof. Dr. Rohit Vashisht, Department of Computer Science & Information Technology, KIET Group of Institutions, who be identified as the faculty coordinator for the purpose of this agreement.

18. Execution

Date:18/09/2023

Place: Louisville, Kentucky

Signed for and on behalf of: Regan Software LLC

Anjali Gupta President

Aditya Agnihotri Intern

In the presence of:

Prof. Dr. Rohit Vashisht Department of Computer Science & Information Technology, KIET Group of Institutions, Delhi NCR, UP, India

INTERNSHIP AGREEMENT

This offer letter is presented to Aryan Tiwari confirming their internship on terms herein.

1. Identification of A. Regan Software

Identification of	A.	Regan	Software	Registered	8 The Green STE 4000, Dover, DE
Parties		LLC ("Co	mpany")	Address:	19901 United States
(Includes their				Entity No.:	93-2934480
permitted				Representation:	Anjali Gupta
assigns and				Email:	support@matchmyflight.com
authorized					axmanpuri (olony Barabanki
representatives)	В,	Aryan	Tiwari	Address:	axmanpull colory
·		("intern'	")	Aadhar No.:	569990051923
				PAN:	CDEPT2660N
				Student ID:	2125 LS 1071
				Institution:	KIET GROUP OF INSTITUTIONS
				Email: •	theoryantiwari 123 @gmail.com

- 2. Recitais A. The Company is at the pllot stage of production and development of a social and application-based service ("Product") as defined in clause 13.4(a).
 - B. Upon receiving a reference from Prof. Dr. Rohit Vashisht (clause 17), the company has decided to extend the opportunity of internship to the intern.
 - C. The intern fully understands the presents herein, and thereby agrees and accepts this offer letter agreement.
- a. Party B shall join as an intern on 15/09/2023 to contribute and fulfil tasks 3. Tenure towards the development of the product under the guidance of the company.
 - b. Period of Internship: Six (6) months
 - c. Commencing from the date of joining, the intern shall be under probation with the company for three (3) months. The period of Internship shall only be subject to extension for another three (3) months

or more based on the intern's performance evaluation / review (which shall be conducted every two (2) months), and subject to *clause* 7 (*a*).

- d. Lock-in period shall be three (3) months.
- 4. Hours of Work a. Work
 - a. Working Hours: 15 hours weekly
 - b. Holiday: Saturday and Sunday provided an average of 3 hours/day of work accomplished throughout the week.
 - c. Leave:
 - Sick Leave will be entertained upon authentic medical certificates.
 - Exam Leave based on communication and timetable issued by the college/university.
- 5. Compensation a. From commencement date until revised by the company, the intern shall be rewarded a monthly stipend of INR 6000 (Rupees Six Thousand) only.
 - b. Stipend shall be released on the first week of each month directly to the intern's bank account as detailed below:

Beneficiary: ARYAN TIWARI Bank Name: HDFC BANK Branch: BARABANKI-UTTAR PRADESH A/c No.: 50100501072267 IFSC: HDFC0000658

breach of integrity, insubordination, insolvency or conviction

- 6. Notice Period The intern shall serve a 30-day notice period to the organisation. The company may issue termination without prior notice on grounds of breach of this agreement.
- 7. Termination a. Following list is exhaustive and constitutes the ground for nullifying this and exit agreement:
 formalities i. The company shall terminate this agreement with immediate effect in writing on the grounds of non-performance, misconduct,

involving moral turpitude, unauthorized absence from work for more than 5 days.

- The company shall terminate this agreement upon breach of any clause herein or company policies.
- iii. The company is at liberty to decide the extent of service it requires and reserves the right to cancel this contract if services are no longer required.
- b. After completion of the internship, the Recipient shall terminate, destroy and hand over access to all Confidential Information of the Disclosing Party back to them.
- Term
 a. Validity of this agreement is six (6) months with exceptions in context clauses 3(c) and 7.
 - b. Clause 13 shall have a validity of three (3) years.
- 9. Severability a. Clauses 13, 14, 15 shall survive the termination of this agreement.

b. In case any provisions of this Agreement are held unenforceable by a court or other tribunal of competent jurisdiction to be unenforceable, the remaining portions hereof shall remain in full force and effect.

- 10. Dispute
 a. Governing
 This Agreement shall be governed by the laws of India,

 Resolution
 Law:
 and the courts of concerned jurisdiction shall entertain

 appeals in connection to this agreement.
 - b. Mediation: The Parties agree to first mediate any disputes or claims between them in good faith resolve the disputes amicably and share the cost of mediation equally.
 - c. Arbitration: In case disputes are not mitigated through mediation; the parties shall invoke arbitration through written notice. Disputes arising out of or relating to this Agreement shall be settled by Arbitration per the Arbitration and Conciliation Act of India, 1996 before a sole arbitrator mutually appointed by the parties.

Proceedings shall be seated in Delhi and shall be conducted in English.

- 11 Walver a Failure to enforce rights herein at any time shall not be construed as a walver of such rights, nor shall any single or partial exercise of any right /remedy preclude any further exercise of rights thereof or any other.
 - b. An exception to this clause may only be invoked in the event of a *force* majeure.
- 12. Breach and The Intern acknowledges that any breach on the Intern's part shall cause mediate and irreparable harm to the company, thereby entitling the company to seek specific performance or injunctive relief, in addition to any other available remedies in law or equity, to remedy such breach or prevent its threatened occurrence.
- Non Disclosure The Intern shall have a duty to protect all confidential information contained and under this clause and not use the same in an unauthorized manner for Confidentiality exploitation or profits.
- 13.1. Disclosing Party: When a party is sharing or discloses Confidential Information with the recipient, hereinafter known as the "Discloser".
 - Receiving Party: When a party receives Confidential Information from the discloser, hereinafter known as the "Recipient".
- 13.2. Confidential All written / oral information that parties shall disclose / exchange under this Information Agreement relating to business affairs, any technical data, or know-how, including but not limited to:
 - a. inventions, ideas, processes, research, formats, formulas, human-readable code on any media, object code, data, programs, specifications, other works of authorship, improvements, discoveries, developments, designs and techniques;
 - product plans, products, services, customers, markets, software, developments, inventions, processes, designs, drawings, engineering, and hardware configuration information;

- c. non-public market information, product plans;
- d. marketing or finances of the company in any form, customer information, business plans and strategies, price lists and market studies; contracts and client databases, computer models and programs, research records, statistical methods of doing business, customers, finances, strategic and marketing plans, employee details, and other proprietary information relating to the business of the Company.

13.3. Excluded from Confidential Information shall exclude any information that:

confidentiality

- a. Was publicly available without breach of this agreement;
- b. Was in possession of the recipient without any confidential obligation;
- c. Was independently developed by the recipient without using Confidential Information;
- d. Is disclosed under statutory obligations, provided -
 - Discloser is given prompt notice of such requirement and (where possible) provided the opportunity to contest it;
 - the scope of such disclosure is limited to the extent possible.

13.4. Intellectual a. Product prototype of a digital ecosystem designed to facilitate Property matchmaking of co-passengers, with a focus on pairing young travelers with elderly passengers, whereby the platform shall operate on a revenue-sharing model where individuals assist fellow travelers for compensation while the platform operator shall collect a commission fee.

> b. All rights over creations by the intern shall be that of the company and the intern hereby transfers the ownership of the –

Research and theses pioneered in relation to the project *clause* 13.4 (*a*) including, but not limited to integration with Payment Gateways, integration with Global Distribution System, scraping PDF/other formats, Peer-to-Peer Cell Phone Communication at 36,000 ft, Intuitive Charts using open source JS libraries, integration with Twilio to send programmable SMS and emails (transactional/marketing), Cost Savings for cloud, Cost savings for Twilio using 10DLC, identifying right marketing strategy and promotions on Social Media, building training module for service providers and people in need, identifying market competitors, building discussion forums/blogs/vlogs;

Technical modules created, including but not limited to Free Match Engine – Algorithms for Matching Travelers opting for Free Plan, Paid Match Engine – Algorithms for Matching Travelers opting for Paid Plan, Recommendation Engine - Algorithms for suggesting Offers & Promotions, Price Engine - Algorithms for suggesting price to service provider, Notification Engine - To send transactional SMS/email to customers who have opted-in, Schedulers - Algorithms to check for certain condition at a certain time and take actions accordingly, Ticket Booking Engine - Read SOAP/JSON responses from GDS and provide ticket booking experience to customers;

Assets built, including without limitations, Code and architecture diagram written, and Art and Design for any part of the product such as Website – Frontend and Backend, Infrastructure as a code – DevOps, App – iOS and Android;

Rights of publications to IEEE or similar technical forums shall be exclusive to the company and not the individual unless explicitly requested and approved by the company.

14. Indemnity and a. The intern represents and warrants that:

Warranty

- They have the legal right and authority to transfer the ownership contents in *clause 13.4 (b)* to the Company and no further third-party consents are required;
- ii. The contributions in respect of clause 13.4 (b) are original and built independently by the intern and are not subject to any third-party claims;
- b. Both parties agree to indemnify each other in case of any third-party claims pertaining to *clause 13.4*.

- 15. Non Compete The intern agrees not to engage in any manner, in any competitive business activities with the Company, including ownership, management, control, participation, consultation, or provision of services (as an intern or otherwise). This non-compete obligation applies throughout the internship and extends for two (2) years from the date of termination/dissolution of this contract.
- 16. Entire This Agreement constitutes the entire agreement between the Parties Agreement, relating to the matters discussed herein and supersedes any prior oral / Amendment written correspondence between the Parties. This Agreement may be and Assignment amended or modified. This agreement or right herein is not assignable or transferable.
- 17. Miscellaneous The company has received a recommendation for the intern from Prof. Dr. Rohit Vashisht, Department of Computer Science & Information Technology, KIET Group of Institutions, who be identified as the faculty coordinator for the purpose of this agreement.

18. Execution

Date:11/09/2023

Place: Louisville, Kentucky

Signed for and on behalf of:

Regan Software LLC

Anjali Gupta President



Intern

In the presence of:

oq

Prof. Dr. Rohit Vashisht

Department of Computer Science & Information Technology, KIET Group of Institutions, Delhi NCR. UP, India

INTERNSHIP AGREEMENT

This offer letter is presented to Prashant Rai confirming their internship on terms herein.

Identification of	Α.	Regan	Software	Registered	8 The Green STE 4000, Dover, DE
Parties		LLC ("Co	ompany")	Address:	19901 United States
(Includes their				Entity No.:	93-2934480
permitted				Representation:	Anjali Gupta
assigns and				Email:	support@matchmyflight.com
authorized					
representatives)	Β.	Prashar	it Rai		Crhazipur, Uttan Bradesh
		("Interr	ı")	Aadhar No.:	490593793986
				PAN:	FULPR2472E
				Student ID:	2125 (5]71160
				Institution:	KJET Crowp of Institutions
				Email:	prashant. 2125csit@kict.edu

2. Recitals

1.

A. The Company is at the pilot stage of production and development of a social and application-based service ("Product") as defined in clause 13.4(a).

- **B.** Upon receiving a reference from Prof. Dr. Rohit Vashisht *(clause 17)*, the company has decided to extend the opportunity of internship to the intern.
- C. The intern fully understands the presents herein, and thereby agrees and accepts this offer letter agreement.

3. Tenure

a. Party B shall join as an Intern on 15/09/2023 to contribute and fulfil tasks towards the development of the product under the guidance of the company.

b. Period of Internship: Six (6) months

c. Commencing from the date of joining, the intern shall be under probation with the company for three (3) months. The period of internship shall only be subject to extension for another three (3) months or more based on the intern's performance evaluation / review (which shall be conducted every two (2) months), and subject to *clause 7 (a)*.

d. Lock-in period shall be three (3) months.

4. Hours of Work

- a. Working Hours: 15 hours weekly
- b. Holiday: Saturday and Sunday provided an average of 3 hours/day of work accomplished throughout the week.
- c. Leave:

E

- Sick Leave will be entertained upon authentic medical certificates.
- Exam Leave based on communication and timetable issued by the college/university.
- 5. Compensation
- a. From commencement date until revised by the company, the intern shall be rewarded a monthly stipend of INR 6000 (Rupees Six Thousand) only.
- b. Stipend shall be released on the first week of each month directly to the intern's bank account as detailed below:

Beneficiary:	Brashant Rai
ank Name:	State Bank of India
Branch:	Aloria, hhazipur
A/c No.:	40432167427
IFSC:	881 NO016763

- 6. Notice Period The intern shall serve a 30-day notice period to the organisation. The company may issue termination without prior notice on grounds of breach of this agreement.
- 7. Termination

 a. Following list is exhaustive and constitutes the ground for nullifying this agreement:
 and exit agreement:
 i. The company shall terminate this agreement with immediate
 - The company shall terminate this agreement with immediate effect in writing on the grounds of non-performance, misconduct, breach of integrity, insubordination, insolvency or conviction

involving moral turpitude, unauthorized absence from work for more than 5 days.

- The company shall terminate this agreement upon breach of any clause herein or company policies.
- iii. The company is at liberty to decide the extent of service it requires and reserves the right to cancel this contract if services are no longer required.
- b. After completion of the internship, the Recipient shall terminate, destroy and hand over access to all Confidential Information of the Disclosing Party back to them.
- 8. Term
- a. Validity of this agreement is six (6) months with exceptions in context clauses 3(c) and 7.
- b. Clause 13 shall have a validity of three (3) years.
- 9. Severability

10. Dispute

Resolution

a. Clauses 13, 14, 15 shall survive the termination of this agreement.

b. In case any provisions of this Agreement are held unenforceable by a court or other tribunal of competent jurisdiction to be unenforceable, the remaining portions hereof shall remain in full force and effect.

a. Governing This Agreement shall be governed by the laws of India,
 Law: and the courts of concerned jurisdiction shall entertain appeals in connection to this agreement.

- b. Mediation: The Parties agree to first mediate any disputes or claims between them in good faith resolve the disputes amicably and share the cost of mediation equally.
- c. Arbitration: In case disputes are not mitigated through mediation; the parties shall invoke arbitration through written notice. Disputes arising out of or relating to this Agreement shall be settled by Arbitration per the Arbitration and Conciliation Act of India, 1996 before a sole arbitrator mutually appointed by the parties.

Proceedings shall be seated in Delhi and shall be conducted in English.

11.	Waiver	 a. Failure to enforce rights herein at any time shall not be construed as a waiver of such rights, nor shall any single or partial exercise of any right /remedy preclude any further exercise of rights thereof or any other. b. An exception to this clause may only be invoked in the event of a <i>force majeure</i>.
12.	Breach and Relief	The Intern acknowledges that any breach on the intern's part shall cause immediate and irreparable harm to the company, thereby entitling the company to seek specific performance or injunctive relief, in addition to any other available remedies in law or equity, to remedy such breach or prevent its threatened occurrence.
13.	Non - Disclosure and Confidentiality	The intern shall have a duty to protect all confidential information contained under this clause and not use the same in an unauthorized manner for exploitation or profits.
13.1.	Disclosing Party:	When a party is sharing or discloses Confidential Information with the recipient, hereinafter known as the "Discloser".
	Receiving Party:	When a party receives Confidential Information from the discloser, hereinafter known as the "Recipient".
13.2.	Confidential	All written / oral information that parties shall disclose / exchange under this
	Information	Agreement relating to business affairs, any technical data, or know-how, including but not limited to:
		a. inventions, ideas, processes, research, formats, formulas,
		human-readable code on any media, object code, data, programs, specifications, other works of authorship, improvements, discoveries, developments, designs and techniques;
		b. product plans, products, services, customers, markets, software,
		developments, inventions, processes, designs, drawings, engineering, and hardware configuration information;

c. non-public market information, product plans;

d. marketing or finances of the company in any form, customer information, business plans and strategies, price lists and market studies; contracts and client databases, computer models and programs, research records, statistical methods of doing business, customers, finances, strategic and marketing plans, employee details, and other proprietary information relating to the business of the Company.

13.3. Excluded from confidentiality

Confidential Information shall exclude any information that:

- a. Was publicly available without breach of this agreement;
- b. Was in possession of the recipient without any confidential obligation;
- Was independently developed by the recipient without using Confidential Information;
- d. Is disclosed under statutory obligations, provided -
 - Discloser is given prompt notice of such requirement and (where possible) provided the opportunity to contest it;
 - ii. the scope of such disclosure is limited to the extent possible.
- 13.4. Intellectual Property

a. Product prototype of a digital ecosystem designed to facilitate matchmaking of co-passengers, with a focus on pairing young travelers with elderly passengers, whereby the platform shall operate on a revenue-sharing model where individuals assist fellow travelers for compensation while the platform operator shall collect a commission fee.

b. All rights over creations by the intern shall be that of the company and the intern hereby transfers the ownership of the –

> Research and theses pioneered in relation to the project *clause* 13.4 (*a*) including, but not limited to integration with Payment Gateways, integration with Global Distribution System, scraping PDF/other formats, Peer-to-Peer Cell Phone Communication at 36,000 ft, Intuitive Charts using open source JS libraries, integration with Twilio to send programmable SMS and emails (transactional/marketing), Cost Savings for cloud, Cost savings for Twilio using 10DLC, identifying right marketing strategy and promotions on Social Media, building

training module for service providers and people in need, identifying market competitors, building discussion forums/blogs/vlogs; **Technical modules** created, including but not limited to Free Match Engine – Algorithms for Matching Travelers opting for Free Plan, Paid Match Engine – Algorithms for Matching Travelers opting for Paid Plan, Recommendation Engine - Algorithms for suggesting Offers & Promotions, Price Engine - Algorithms for suggesting price to service provider, Notification Engine - To send transactional SMS/email to customers who have opted-in, Schedulers - Algorithms to check for certain condition at a certain time and take actions accordingly, Ticket Booking Engine - Read SOAP/JSON responses from GDS and provide ticket booking experience to customers;

Assets built, including without limitations, Code and architecture diagram written, and Art and Design for any part of the product such as Website – Frontend and Backend, Infrastructure as a code – DevOps, App – iOS and Android;

Rights of publications to IEEE or similar technical forums shall be exclusive to the company and not the individual unless explicitly requested and approved by the company.

14. Indemnity and a. The intern represents and warrants that:

Warranty

- They have the legal right and authority to transfer the ownership contents in *clause 13.4 (b)* to the Company and no further third-party consents are required;
- The contributions in respect of clause 13.4 (b) are original and built independently by the intern and are not subject to any third-party claims;
- **b.** Both parties agree to indemnify each other in case of any third-party claims pertaining to *clause 13.4.*

15. Non - Compete

The intern agrees not to engage in any manner, in any competitive business activities with the Company, including ownership, management, control, participation, consultation, or provision of services (as an intern or otherwise). This non-compete obligation applies throughout the internship and extends for two (2) years from the date of termination/dissolution of this contract.

 16.
 Entire
 This Agreement consti

 Agreement,
 relating to the matters

 Amendment
 written correspondence

 and Assignment
 amended or modified.

This Agreement constitutes the entire agreement between the Parties relating to the matters discussed herein and supersedes any prior oral / written correspondence between the Parties. This Agreement may be amended or modified. This agreement or right herein is not assignable or transferable.

17. Miscellaneous The company has received a recommendation for the intern from Prof. Dr. Rohit Vashisht, Department of Computer Science & Information Technology, KIET Group of Institutions, who be identified as the faculty coordinator for the purpose of this agreement.

18. Execution

Date:11/09/2023 Place: Louisville, Kentucky Signed for and on behalf of: Regan Software LLC

Anjali Gupta President

Prashant Rai

Intern

In the presence of:

Prof. Dr. Rohit Vashisht Department of Computer Science & Information Technology, KIET Group of Institutions, Delhi NCR, UP, India

INTERNSHIP AGREEMENT

This offer letter is presented to Prashant Singh confirming their internship on terms herein.

1.	Identification of	Α.	Regan	Software		Registered	d 8 The Green STE 4000, Dover, DE	
	Parties		LLC ("Co	ompany")		Address:	s: 19901 United States	
	(Includes their					Entity No.:	93-2934480	
	permitted				Rep	presentation:	n: Anjali Gupta	
	assigns and					Email:	il: support@matchmyflight.com	
	authorized representatives)	В.	Prashan ("Intern	Ū			:: Ghazipwi :: 5374 3432 1190 :: MXN PS7223K	

2. Recitals A. The Company is at the pilot stage of production and development of a social and application-based service ("Product") as defined in clause 13.4(a).

Student ID: 2/25 CSIT 1091

Institution: KIET GROUP OF INSTITUTION Email: prashant. 2125Csit 10@ kiet.ed

- B. Upon receiving a reference from Prof. Dr. Rohit Vashisht (clause 17), the company has decided to extend the opportunity of internship to the intern.
- C. The intern fully understands the presents herein, and thereby agrees and accepts this offer letter agreement.
- 3. Tenure

a. Party B shall join as an Intern on 15/09/2023 to contribute and fulfil tasks towards the development of the product under the guidance of the company.

b. Period of Internship: Six (6) months

c. Commencing from the date of joining, the intern shall be under probation with the company for three (3) months. The period of internship shall only be subject to extension for another three (3) months

or more based on the intern's performance evaluation / review (which shall be conducted every two (2) months), and subject to *clause 7 (a)*.

- d. Lock-in period shall be three (3) months.
- 4. Hours of Work
 - a. Working Hours: 15 hours weekly
 - b. Holiday: Saturday and Sunday provided an average of 3 hours/day of work accomplished throughout the week.
 - c. Leave:
 - Sick Leave will be entertained upon authentic medical certificates.
 - ii. Exam Leave based on communication and timetable issued by the college/university.
- 5. Compensation

 a. From commencement date until revised by the company, the intern shall be rewarded a monthly stipend of INR 6000 (Rupees Six Thousand) only.
 b. Stipend shall be released on the first week of each month directly to the intern's bank account as detailed below:

Beneficiary: Prashant Singh Bank Name: Union Bank of India Branch: Alawalpur A/c No.: 7167 0212 000 3023 IFSC: UBIN 0571679

- 6. Notice Period The intern shall serve a 30-day notice period to the organisation. The company may issue termination without prior notice on grounds of breach of this agreement.
- 7. Termination

 a. Following list is exhaustive and constitutes the ground for nullifying this agreement:
 formalities
 i. The company shall terminate this agreement with immediate effect in writing on the grounds of non-performance, misconduct, breach of integrity, insubordination, insolvency or conviction

involving moral turpitude, unauthorized absence from work for more than 5 days.

- The company shall terminate this agreement upon breach of any ii. clause herein or company policies.
- The company is at liberty to decide the extent of service it iii. requires and reserves the right to cancel this contract if services are no longer required.
- b. After completion of the internship, the Recipient shall terminate, destroy and hand over access to all Confidential Information of the Disclosing Party back to them.
- a. Validity of this agreement is six (6) months with exceptions in context clauses 3(c) and 7.
 - b. Clause 13 shall have a validity of three (3) years.
- 9. Severability

Term

8.

a. Clauses 13, 14, 15 shall survive the termination of this agreement.

In case any provisions of this Agreement are held unenforceable by a b. court or other tribunal of competent jurisdiction to be unenforceable, the remaining portions hereof shall remain in full force and effect.

10. Dispute Resolution

Law:

This Agreement shall be governed by the laws of India, a. Governing and the courts of concerned jurisdiction shall entertain appeals in connection to this agreement.

The Parties agree to first mediate any disputes or claims b. Mediation: between them in good faith resolve the disputes amicably and share the cost of mediation equally.

In case disputes are not mitigated through mediation; c. Arbitration: the parties shall invoke arbitration through written notice. Disputes arising out of or relating to this Agreement shall be settled by Arbitration per the Arbitration and Conciliation Act of India, 1996 before a sole arbitrator mutually appointed by the parties.

Proceedings shall be seated in Delhi and shall be conducted in English.

- Waiver

 Failure to enforce rights herein at any time shall not be construed as a waiver of such rights, nor shall any single or partial exercise of any right /remedy preclude any further exercise of rights thereof or any other.
 - **b.** An exception to this clause may only be invoked in the event of a force majeure.
- 12. Breach and The Intern acknowledges that any breach on the intern's part shall cause mediate and irreparable harm to the company, thereby entitling the company to seek specific performance or injunctive relief, in addition to any other available remedies in law or equity, to remedy such breach or prevent its threatened occurrence.
- Non Disclosure The intern shall have a duty to protect all confidential information contained and under this clause and not use the same in an unauthorized manner for confidentiality exploitation or profits.
- 13.1. Disclosing Party: When a party is sharing or discloses Confidential Information with the recipient, hereinafter known as the "Discloser".
 - Receiving Party: When a party receives Confidential Information from the discloser, hereinafter known as the "Recipient".
- 13.2. ConfidentialAll written / oral information that parties shall disclose / exchange under thisInformationAgreement relating to business affairs, any technical data, or know-how,including but not limited to:Information
 - a. inventions, ideas, processes, research, formats, formulas, human-readable code on any media, object code, data, programs, specifications, other works of authorship, improvements, discoveries, developments, designs and techniques;
 - b. product plans, products, services, customers, markets, software, developments, inventions, processes, designs, drawings, engineering, and hardware configuration information;

non-public market information, product plans;

d. marketing or finances of the company in any form, customer information, business plans and strategies, price lists and market studies; contracts and client databases, computer models and programs, research records, statistical methods of doing business, customers, finances, strategic and marketing plans, employee details, and other proprietary information relating to the business of the Company.

13.3. Excluded from Confidential Information shall exclude any information that:

confidentiality a. Was publicly available without breach of this agreement;

- b. Was in possession of the recipient without any confidential obligation;
- Was independently developed by the recipient without using Confidential Information;

d. Is disclosed under statutory obligations, provided -

- i. Discloser is given prompt notice of such requirement and (where possible) provided the opportunity to contest it;
 - ii. the scope of such disclosure is limited to the extent possible.

13.4. Intellectual

Property

a. Product prototype of a digital ecosystem designed to facilitate matchmaking of co-passengers, with a focus on pairing young travelers with elderly passengers, whereby the platform shall operate on a revenue-sharing model where individuals assist fellow travelers for compensation while the platform operator shall collect a commission fee. b. All rights over creations by the intern shall be that of the company and

the intern hereby transfers the ownership of the -

Research and theses pioneered in relation to the project clouse 13.4 (a) including, but not limited to integration with Payment Gateways, integration with Global Distribution System, scraping PDF/other formats, Peer-to-Peer Cell Phone Communication at 36,000 ft, Intuitive Charts using open source JS libraries, integration with Twilio to send programmable SMS and emails (transactional/marketing), Cost Savings for cloud, Cost savings for Twilio using 10DLC, identifying right marketing strategy and promotions on Social Media, building

training module for service providers and people in need, identifying market competitors, building discussion forums/blogs/vlogs;

Technical modules created, including but not limited to Free Match Engine - Algorithms for Matching Travelers opting for Free Plan, Paid Match Engine – Algorithms for Matching Travelers opting for Paid Plan, Recommendation Engine - Algorithms for suggesting Offers & Promotions, Price Engine - Algorithms for suggesting price to service provider, Notification Engine - To send transactional SMS/email to customers who have opted-in, Schedulers - Algorithms to check for certain condition at a certain time and take actions accordingly, Ticket Booking Engine - Read SOAP/JSON responses from GDS and provide

ticket booking experience to customers; Assets built, including without limitations, Code and architecture diagram written, and Art and Design for any part of the product such as Website – Frontend and Backend, Infrastructure as a code –

DevOps, App – iOS and Android;

Rights of publications to IEEE or similar technical forums shall be exclusive to the company and not the individual unless explicitly requested and approved by the company.

14. Warranty

i.

Indemnity and a. The intern represents and warrants that: They have the legal right and authority to transfer the ownership contents in clause 13.4 (b) to the Company and no further third-party consents are required;

The contributions in respect of clause 13.4 (b) are original and built independently by the intern and are not subject to any ii. third-party claims;

b. Both parties agree to indemnify each other in case of any third-party claims pertaining to clause 13.4.

Non - Compete 15.

The intern agrees not to engage in any manner, in any competitive business activities with the Company, including ownership, management, control, participation, consultation, or provision of services (as an intern or otherwise). This non-compete obligation applies throughout the internship and extends for two (2) years from the date of termination/dissolution of this contract.

Entire 16. Agreement, Amendment and Assignment

This Agreement constitutes the entire agreement between the Parties relating to the matters discussed herein and supersedes any prior oral / written correspondence between the Parties. This Agreement may be amended or modified. This agreement or right herein is not assignable or

transferable.

C

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The company has received a recommendation for the intern from Prof. Dr. Rohit Vashisht, Department of Computer Science & Information Technology, Miscellaneous 17. KIET Group of Institutions, who be identified as the faculty coordinator for the purpose of this agreement.

18. Execution

Date:11/09/2023

Place: Louisville, Kentucky Signed for and on behalf of: Regan Software LLC

Anjali Gupta

President

0 Prashant Singh

Intern

In the presence of:

100 2

Prof. Dr. Rohit Vashisht Computer of Department Information & Science Technology, KIET Group of Institutions, Delhi NCR, UP, India

INTERNSHIP AGREEMENT

This offer letter is presented to Yash Varshney confirming their internship on terms herein.

- 1. Identification of A. Regan Software
- Parties LLC ("Company") (Includes their
- permitted
 assigns and
 authorized
 representatives)
- B. Yash Varshney ("Intern")

Registered & The Green STE 4000, Dover, DE Address: 19901 United States Entity No.: 93-2934480 Representation: - Anjali Gupta Email: support@matchmyflight.com

Address: Islam Nagan (Caunaha, Babjai Aadhar No.: 4260 71805328 PAN: CAMPV8519B Student ID: 2125 (SIISS Institution: KIET (Nooup of Institutions, Email: Yashvarseney 2011 @gmail.com

2. Recitals

- A. The Company is at the pilot stage of production and development of a social and application-based service ("Product") as defined in clause 13.4(a).
- B. Upon receiving a reference from Prof. Dr. Rohit Vashisht (clause 17), the company has decided to extend the opportunity of internship to the internship to the internship.
 - intern.
- C. The intern fully understands the presents herein, and thereby agrees and accepts this offer letter agreement.
- 3. Tenure
- a. Party B shall join as an Intern on 15/09/2023 to contribute and fulfil tasks towards the development of the product under the guidance of the company.
 - b. Period of Internship: Six (6) months
 - c. Commencing from the date of joining, the intern shall be under probation with the company for three (3) months. The period of internship shall only be subject to extension for another three (3) months

or more based on the intern's performance evaluation / review (which shall be conducted every two (2) months), and subject to clause 7 (a).

Lock-in period shall be three (3) months. d.

- Hours of Work 4.
- Working Hours: 15 hours weekly а.
- Holiday: Saturday and Sunday provided an average of 3 hours/day of b. work accomplished throughout the week.
- °C. Leave:

I.

- Sick Leave will be entertained upon authentic medical certificates.
- ii. Exam Leave - based on communication and timetable issued by the college/university.
- 5. Compensation

formalities

- From commencement date until revised by the company, the intern shall a. be rewarded a monthly stipend of INR 6000 (Rupees Six Thousand) only.
- b. Stipend shall be released on the first week of each month directly to the intern's bank account as detailed below:

Beneficiary: Bank Name:

i.

Yash Varishney Canaria Bank Branch: Balyoi

A/C No .: 85912200132172 IFSC: CNRBDD18591

- 6. **Notice** Period The intern shall serve a 30-day notice period to the organisation. The company may issue termination without prior notice on grounds of breach of this agreement.
- Termination a. Following list is exhaustive and constitutes the ground for nullifying this 7. and exit agreement:
 - The company shall terminate this agreement with immediate effect in writing on the grounds of non-performance, misconduct, breach of integrity, insubordination, insolvency or conviction

involving moral turpitude, unauthorized absence from work for more than 5 days.

- The company shall terminate this agreement upon breach of any clause herein or company policies.
- iii. The company is at liberty to decide the extent of service it requires and reserves the right to cancel this contract if services are no longer required.
- b. After completion of the internship, the Recipient shall terminate, destroy and hand over access to all Confidential Information of the Disclosing Party back to them.
- 8. Term.
- a. Validity of this agreement is six (6) months with exceptions in context clauses 3(c) and 7.
- b. Clause 13 shall have a validity of three (3) years.
- 9. Severability
- a. Clauses 13, 14, 15 shall survive the termination of this agreement.
- b. In case any provisions of this Agreement are held unenforceable by a court or other tribunal of competent jurisdiction to be unenforceable, the remaining portions hereof shall remain in full force and effect.
- 10. Dispute

. Governing

This Agreement shall be governed by the laws of India,

Resolution

Law:

b. Mediation:

and the courts of concerned jurisdiction shall entertain appeals in connection to this agreement.

The Parties agree to first mediate any disputes or claims between them in good faith resolve the disputes amicably and share the cost of mediation equally.

c. Arbitration: Ir

In case disputes are not mitigated through mediation; the parties shall invoke arbitration through written notice. Disputes arising out of or relating to this Agreement shall be settled by Arbitration per the Arbitration and Conciliation Act of India, 1996 before a sole arbitrator mutually appointed by the parties. Proceedings shall be seated in Delhi and shall be conducted in English.

 11. Waiver
 a.
 Failure to enforce rights herein at any time shall not be construed as a waiver of such rights, nor shall any single or partial exercise of any right /remedy preclude any further exercise of rights thereof or any other.

b. An exception to this clause may only be invoked in the event of a force majeure.

- 12. Breach and Relief
 The Intern acknowledges that any breach on the intern's part shall cause immediate and irreparable harm to the company, thereby entitling the company to seek specific performance or injunctive relief, in addition to any other available remedies in law or equity, to remedy such breach or prevent its threatened occurrence.
 - Non Disclosure The intern shall have a duty to protect all confidential information contained under this clause and not use the same in an unauthorized manner for Confidentiality exploitation or profits.
 - 13.1. Disclosing Party: When a party is sharing or discloses Confidential Information with the recipient, hereinafter known as the "Discloser".
 - Receiving Party: When a party receives Confidential Information from the discloser,

hereinafter known as the "Recipient".

- 13.2. Confidential
 All written / oral information that parties shall disclose / exchange under this

 Information
 Agreement relating to business affairs, any technical data, or know-how,

 including but not limited to:
 Inicluding but not limited to:
 - a. inventions, ideas, processes, research, formats, formulas, human-readable code on any media, object code, data, programs, specifications, other works of authorship, improvements, discoveries, developments, designs and techniques;
 - b. product plans, products, services, customers, markets, software, developments, inventions, processes, designs, drawings, engineering, and hardware configuration information;

- non-public market information, product plans; c.
- d. marketing or finances of the company in any form, customer information, business plans and strategies, price lists and market studies; contracts and client databases, computer models and programs, research records, statistical methods of doing business, customers, finances, strategic and marketing plans, employee details, and other proprietary information relating to the business of the Company.

13.3. Excluded from confidentiality

Confidential Information shall exclude any information that:

- Was publicly available without breach of this agreement; a.
- Was in possession of the recipient without any confidential obligation; b.
- Was independently developed by the recipient without using Confidential C. Information;

Is disclosed under statutory obligations, provided d.

- Discloser is given prompt notice of such requirement and (where i. possible) provided the opportunity to contest it;
- the scope of such disclosure is limited to the extent possible. ii.

13.4. Intellectual Property

Product prototype of a digital ecosystem designed to facilitate a. matchmaking of co-passengers, with a focus on pairing young travelers with elderly passengers, whereby the platform shall operate on a revenue-sharing model where individuals assist fellow travelers for compensation while the platform operator shall collect a commission fee.

- b. All rights over creations by the intern shall be that of the company and the intern hereby transfers the ownership of the -

Research and theses pioneered in relation to the project clause 13.4 (a) including, but not limited to integration with Payment Gateways, integration with Global Distribution System, scraping PDF/other formats, Peer-to-Peer Cell Phone Communication at 36,000 ft, Intuitive Charts using open source JS libraries, integration with Twilio to send programmable SMS and emails (transactional/marketing), Cost Savings for cloud, Cost savings for Twilio using 10DLC, identifying right marketing strategy and promotions on Social Media, building training module for service providers and people in need, identifying market competitors, building discussion forums/blogs/vlogs;

Technical modules created, including but not limited to Free Match Engine – Algorithms for Matching Travelers opting for Free Plan, Paid Match Engine – Algorithms for Matching Travelers opting for Paid Plan, Recommendation Engine - Algorithms for suggesting Offers & Promotions, Price Engine - Algorithms for suggesting price to service provider, Notification Engine - To send transactional SMS/email to customers who have opted-in, Schedulers - Algorithms to check for certain condition at a certain time and take actions accordingly, Ticket Booking Engine - Read SOAP/JSON responses from GDS and provide ticket booking experience to customers;

Assets built, including without limitations, Code and architecture diagram written, and Art and Design for any part of the product such as Website – Frontend and Backend, Infrastructure as a code –

DevOps, App - iOS and Android;

Rights of publications to IEEE or similar technical forums shall be exclusive to the company and not the individual unless explicitly requested and approved by the company.

Warranty

- They have the legal right and authority to transfer the ownership contents in *clause 13.4 (b)* to the Company and no further third-party consents are required;
- ii. The contributions in respect of clause 13.4 (b) are original and built independently by the intern and are not subject to any third-party claims;
- b. Both parties agree to indemnify each other in case of any third-party claims pertaining to clause 13.4.

The intern agrees not to engage in any manner, in any competitive business Non - Compete 15. activities with the Company, including ownership, management, control, participation, consultation, or provision of services (as an intern or otherwise). This non-compete obligation applies throughout the internship and extends for two (2) years from the date of termination/dissolution of this contract.

This Agreement constitutes the entire agreement between the Parties Entire relating to the matters discussed herein and supersedes any prior oral / 16. Agreement, written correspondence between the Parties. This Agreement may be Amendment amended or modified. This agreement or right herein is not assignable or and Assignment transferable.

The company has received a recommendation for the intern from Prof. Dr. Miscellaneous Rohit Vashisht, Department of Computer Science & Information Technology, 17. KIET Group of Institutions, who be identified as the faculty coordinator for the purpose of this agreement.

18. Execution

Date:11/09/2023

Place: Louisville, Kentucky

Signed for and on behalf of:

Regan Software LLC

Anjali Gupta

President

2109/2023

Yash Varshney

Intern

In the presence of:

09/2023

Prof. Dr. Rohit Vashisht Department of Computer Science & Information Technology, KIET Group of Institutions, Delhi NCR, UP, India

Activity under MoU between KIET Group of Institution and VDT Pipeline Integrity Solution.

On June 29, 2024, delegates from VDT Pipeline Integrity Solutions visited the Computer Science (CS) department at KIET Group of Institutions as part of the ongoing collaboration under the Memorandum of Understanding (MoU) between the two entities. The purpose of the visit was to discuss various industry problems that could serve as potential projects for students, providing them with real-world experience and opportunities to apply their academic knowledge.

During the visit, the VDT delegates shared several current challenges they are facing, seeking innovative software solutions. These problems include issues related to data management, and anomaly detection in pipeline systems.

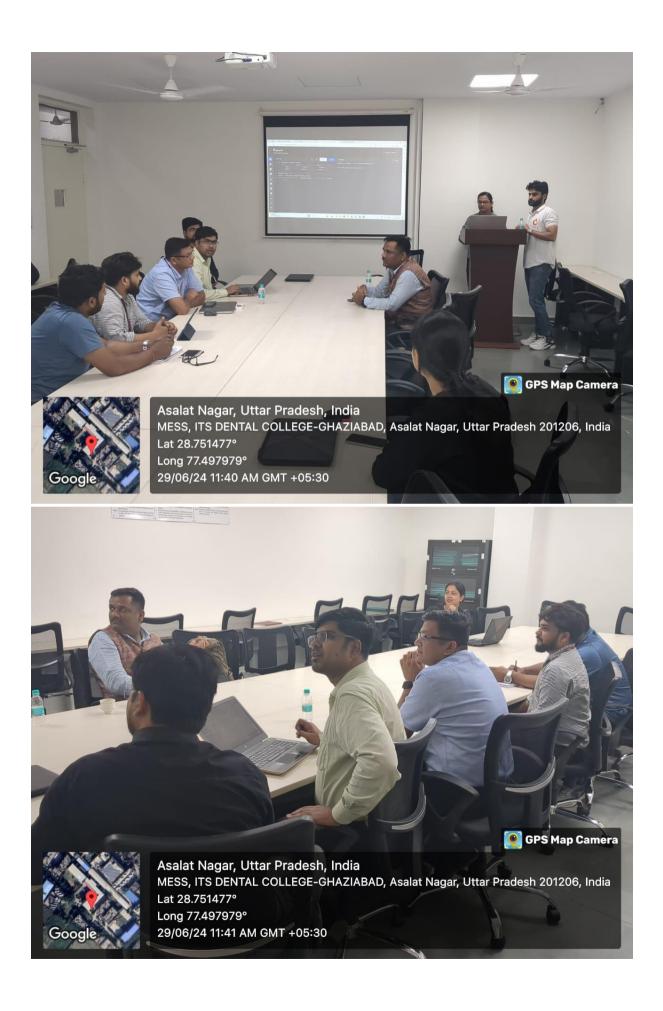
The faculty members from the CS department showed great interest in understanding these industry problems. They engaged in detailed discussions, asking probing questions to better grasp the specifics of the issues presented. Their enthusiasm and expertise led to numerous suggestions and potential approaches to tackle the problems. The discussions covered a range of topics, from leveraging machine learning and artificial intelligence for predictive analytics to developing robust software systems for real-time data processing and anomaly detection.

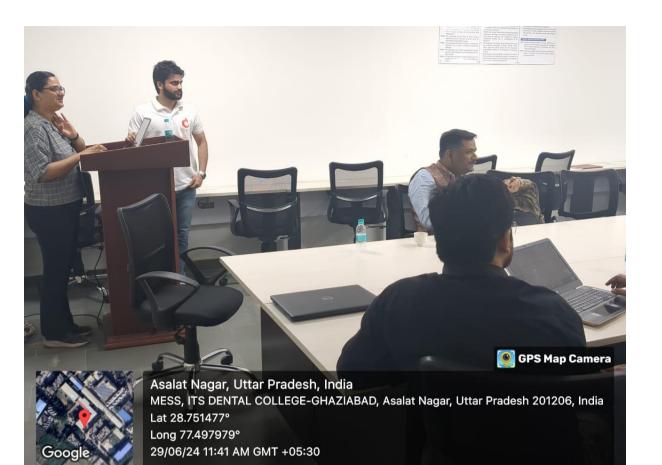
Following Delegates were present from VDT Pipeline Integrity solution :

- 1. Mr. Bhuvnesh Sharma- MD
- 2. Deepak Yadav Sr engineer Data Annalysis
- 3. Shradha Agarwal -Engineer DA

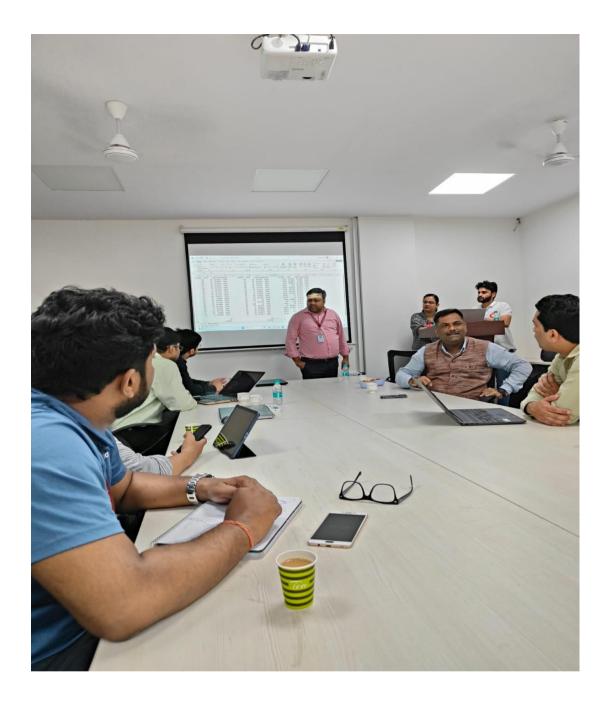
Faculty Members Present during the interaction:

- 1. Dr. Gaurav Dubey
- 2. Mr. Rajkumar
- 3. Dr. Akash Punhani
- 4. Dr. Harsh Khatter
- 5. Mr. Abhishek Goyal
- 6. Ms. Neha Shukla
- 7. Mr. Vinay Pratap Singh
- 8. Mr. Praveen Srivastava









Report Prepared by:

40

Dr. Gaurav Dubey

5 DAYS TRAINING PLAN

Version 1.05



Phone: +91-120-2404428 Mobile: +91-9873904161 Fax: +91-120-2403083 www.giindia.com email: <u>info@giindia.com</u>

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5 DAYS TRAINING PLAN

Requirements at the Training Venue

- 1. The systems should have Ubuntu 20.04 installed and their admin username and password should be provided to the training team
- 2. If a college web proxy is present, the username and password should be provided
- 3. Network connectivity between the DGX server and the training venue must be there via LAN and WiFi
- 4. High-speed internet connectivity with a minimum 300 Mbps bandwidth
- 5. Availability of a smart board with HDMI input

Training

Number of participants - 15-20

Pre-requisites:

The participants must have knowledge of the following:

- Basics of Python
- Basics of Machine Learning
- Basics of Linux

TRAINING CONTENT

DAY	ΤΟΡΙϹ	DETAILS
Day 1	Introduction to DGX Server & AI	 DGX Server Specifications Introduction to AI NVIDIA Techstack Docker Significance Docker & OpenCV – Hands-On
Day 2	Convolutional Neural Network & Data Labelling	 Convolutional Neural Network Deep Learning – Hands-On Annotation Strategy Dataset Generation – Hands-On
Day 3	Model Training & Analytics	 Model Training on Dataset Generated Evaluation Metrics Analytics of Trained Model Testing
Day 4	Project	 Project Pipeline Containerization
Day 5	NVIDIA Frameworks for Model Optimization and GPU Accelerated Data science	 Introduction to TensorRT TensorRT Implementation RAPIDS

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TRAINING PLAN v1.05

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The department of CSE(AI/AIML) proudly presents the NVIDIA DGXA100 SUPERCOMPUTING Lab as a testament to our unwavering commitment to pushing the boundaries of research and innovation. This groundbreaking initiative was officially inaugurated by the Hon'ble Minister Shri Sunil Kumar Sharma, dept. of Electronics and IT, Gov of UP, marking a significant milestone in our pursuit of cutting-edge research and innovation.

In tandem with this milestone and to foster a culture of continuous learning and growth, a five-day Faculty Development Program (FDP) was held from March 19th to March 23rd, 2024. Jointly organized by the CSE (AI/AIML) and IT Department, the FDP aimed to equip faculty members with comprehensive knowledge and hands-on expertise in utilizing the powerful capabilities of NVIDIA DGXA100.

Throughout the duration of the FDP, a cohort of 20 enthusiastic participants delved deep into the intricacies of NVIDIA DGX servers under the expert guidance of NVIDIA trainers, Ms. Sugandh Gupta and Mr. Hamza. The sessions commenced with an insightful introduction to the DGX server architecture and its applications in the realm of AI, complemented by practical hands-on experience with Docker containers. As the program progressed, participants were immersed in intensive workshops covering a spectrum of topics including Convolutional Neural Networks (CNN) and data labeling techniques with annotation hands-on sessions, model training methodologies and analytics, testing procedures, project pipeline development and containerization concepts. Finally, on the concluding day, participants delved into the intricacies of framework deployment, optimization strategies, and harnessing the power of GPU-accelerated RAPIDS framework for enhanced performance.

Special thanks goes to Dr. Anil Ahlawat, Director In-charge, and Dr. Manoj Goel, Joint Director, for his invaluable contributions and unwavering support in the successful establishment of the NVIDIA DGXA100 Supercomputing Lab.

We extend our heartfelt gratitude to Dr. Rekha Kashyap, HOD (CSE-AI & CSE-AIML), and Dr. Adesh Pandey, HOD (IT) for graciously concluding the session with a vote of thanks, encapsulating the spirit of collaboration, and knowledge-sharing that defines our institution.

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About Space Technologies:

The Space Technologies Centre of Excellence (COE) at KIET Group of Institutions, Ghaziabad, is a leading educational and research hub within the Electronics and Communication Engineering department, focused on space technologies. It collaborates with ISRO's Space Application Centre and the Indian Institute of Remote Sensing, providing students with training, internships, and specialized courses. A key project is the development of a scientific payload for ISRO's nanosatellite program, supporting the NEP-2020 goal of fostering experiential learning and innovation to prepare students for careers in space technology. **Training of Students:**

Odd Sem:

Industry Readiness Skill (IRS) Even Sem:

Successfully conducted Boot Camp in association with **Space Application Centre (SAC) ISRO** for 2nd year students for the improvement of experiential learning in the fields of Space Technologies. The duration of the Boot Camp was Jan'24 to June'24.

Research Paper Publications:

The following Scopus indexed conference papers was published by the students under the supervision of faculty members of Space Technologies COE.

- 1. Comprehensive analysis of communication quality: Signal to noise ratio with respect to bit error rate for nanosatellite beacon, Vidushi, Abhishek Sharma et al., ICABEC-2023
- 2. Satellite security_ Navigating threats and implementing safeguards in the modern space age, Divyanshi, Abhishek Sharma, ICABEC-2023
- 3. Onboard compression and preprocessing methods for LEO satellite imagery: A Review, Abhishek, Krishna, Subhi, ICABEC-2023
- 4. Comprehensive review on Impact of Nanosatellites on human medical infrastructure, Suryansh, Shambhavi, Abhishek Sharma, ICABEC-2023

Organization of Guest Lectures:

Dr. Harish, Scientists from SAC, ISRO Ahmedabad delivered an Online Expert Talk held on 09.05.2024 during Space Technologies Boot Camp.

Ongoing Research:

- 1. Development of Antenna deployment assembly for Nanosatellite
- 2. Ham Band oriented satellite data transceiver for small nanosatellite payload.



List of Students for Space Technologies Boot Camp

S. No.	Name of the Student	Roll Number of the student (Complete University Roll No.)	Branch	Year
1	Priyanshu Saxena	2100290310114	ECE	3rd
2	Piyush Yadav	2100290310108	ECE	3rd
3	Lakshay Jain	2200290120095	CS	2nd
4	Anshika Chhabra	2200290100028	CSE	2nd
5	SHIVAM TIWARI	2200291530104	CSE (AI & ML)	2nd
6	Ayushi gupta	2200291530035	CSE (AI & ML)	2nd
7	Harvansh Singh Jadoun	2200291520088	CSE (AI)	2nd
8	Vaishnavi Goel	2200290110189	CSIT	2nd
9	Madhusudan Patel	2226EC1199	ECE	2nd
10	Alok Divedi	2226EC1198	ECE	2nd
11	Aditya Rajawat	2226EC1194	ECE	2nd

12	Anubha Kumari	2200290310022	ECE	2nd
12		2200200240400	505	
13	Shruti Singh	2200290310138	ECE	2nd
14	Aryan Srivastava	2200290310034	ECE	2nd
15	SURYANSH DEV	2200290310149	ECE	2nd
16	Nitya Rastogi	2200290310095	ECE	2nd
17	Arshad	2200290210022	EN	2nd
18	Abhishek Kumar	2200290210008	EN	2nd
19	Vanshika Chaturvedi	2200290210086	EN	2nd
20	Pranav Choudhary	2200290400030	ME	2nd
21	Suman Barman	2200290400037	ME	2nd
22	Zayed Khan	2200290400046	ME	2nd
23	Anshi	2200290400009	ME	2nd
24	Alok Pratap Singh	2200290400004	ME	2nd
25	Mohammad Sohaib Asluf	2200290400022	ME	2nd
26	NARAYAN PRASAD	2100290310093	ECE	2nd
27	Siddharth Samrat	2200290310142	ECE	2nd
28	POORNIMA KUSHWAHA	2226EC1196	ECE	2nd
29	Kartik Tyagi	2200290110087	CSIT	2nd
30	Mohammad Sohail Asluf	2200290400023	ME	2nd
31	Atal Gupta	2200290310040	ECE	2nd

Dr. Abhishek Sharma

About COE Mitsubishi Semiconductor:

The Mitsubishi Semiconductor Centre of Excellence at KIET Group of Institutions focuses on semiconductor technologies. In collaboration with Mitsubishi Electric, it offers students training, internships, and specialized courses. A key project involves developing semiconductor solutions for industry, aligning with NEP-2020's focus on experiential learning and innovation.

Training of Students:

Industry Readiness Skill (IRS)

Organization of Guest Lectures:

Today, the online session on "Introduction to Power Semiconductor Devices, their application and Data Sheet Interpretation" was delivered by experts from Mitsubishi Electric Pvt. Ltd. The glimpses of the session are given below –



Student Name	University Roll No
ABHIRAJ SINGH	2200290310004
ANUBHA KUMARI	2200290310022
ARYAN SRIVASTAVA	2200290310035
DHRUV GARG	2200290310055
DIVYANSH TYAGI	2200290310056
GAUTAM AGRAHARI	2200290310062
HARSHIT KAUSHIK	2200290310067
HARSHIT KUMAR	2200290310068
KRITIKA SRIVASTAVA	2200290310079
MAYANK SHARMA	2200290310083
MAYANK TYAGI	2200290310084
MAYANK TYAGI	2200290310085
PRAKHAR SHARMA	2200290310102
SARTHAK BALIYAN	2300290319006
RAJEEV PAL	2200290310116
RITVIJ MISHRA	2200290310119
RIYA	2200290310120
RIYA JAIN	2200290310121
SACHIN GUPTA	2200290310123
SHORYA DUBEY	2200290310137
SRISTI SINGH	2200290310145
VAISHNAVI SINGH	2200290310153
VEDIKA MALIK	2200290310156
VIBHAKAR JOSHI	2200290310158
VIPUL SHARMA	2200290310163
YASHI SHARMA	2200290310166
SHUBHAM JHA	2200290210078
	ABHIRAJ SINGHANUBHA KUMARIARYAN SRIVASTAVADHRUV GARGDIVYANSH TYAGIGAUTAM AGRAHARIHARSHIT KAUSHIKHARSHIT KUMARKRITIKA SRIVASTAVAMAYANK SHARMAMAYANK SHARMAMAYANK TYAGIPRAKHAR SHARMASARTHAK BALIYANRAJEEV PALRITVIJ MISHRARIYASACHIN GUPTASHORYA DUBEYSRISTI SINGHVAISHNAVI SINGHVIBHAKAR JOSHIVIPUL SHARMAYASHI SHARMA

List of Students, attended IRS Classes of Power Semiconductor Devices in Collaboration with Mitsubishi Electric India Pvt. Ltd. (Academic Session: 2023-24)

Dr. Praven Kumar





Courses







INSTITUTIONAL RANKING FRAMEWORK Engineering Rank - 187 Pharmacy Rank - 97

A Technical Campus approved by AICTE & Affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow

A Legacy of 25 Years in Education

Council of Science & Technology U.P.

Vigyan Bhawan, 9, Nabiullah Road, Lucknow-226018 APPLICATION FOR GRANT FOR ADHOC RESEARCH PROJECTS/ TRANSFER OF TECHNOLOGY

PROJECTSAPPLICATION FOR GRANT FOR ADHOC RESEARCH PROJECTS/ TRANSFER OF

TECHNOLOGY PROJECTS

Title of Project:"Futuristic Diagnostics: AI-Driven Health and Longevity Assessment of Distribution Transformers in Solar PV integrated Power systems.

DECLARATION / CERTIFICATION / ATTESTATION

It is certified that

- The same project has not been submitted to any other agency/agencies for financial support. a)
- Necessary provision for the scheme/project will be made in the Institute/University budget in b) anticipation of the sanction of the scheme/project.
- If the project involves the utilization of genetically engineered organism, it is agreed that we will c) ensure that an application will be submitted through our Institutional Biosafety Committee and we will declare that while conducting experiments, the Biosafety Guidelines will be followed.
- If the project involves field trials/experiments/exchange of specimens, etc. we will ensure that d) ethical clearances would be taken from concerned ethical committees/competent authorities and the same would be conveyed to the CST, U.P. before implementing the project.
- It is agreed that any research outcome or intellectual property right(s) on the invention(s) arising out e) of the project shall be taken in accordance to the rules of CST, U.P. in project.
- The Institute/University agrees that the equipment, other basic facilities and such other f) administrative facilities will be extended to investigator(s) throughout the duration of the project.
- The Institute/University assumes to undertake the financial and other management g) responsibilities of the project.
- It is agreed that the outcome of study will be published in high impact journal with due h) acknowledgment to CST, U.P. after exploring possibility of IPR protection.
- Investigator / co-investigators below are holding regular / permanent position in this institute / i) organization.
- No overhead charges will be deducted from the grant by our institution/university. i)

I/We have read the terms and conditions for Council of Science & Technology, UP, Research Grant. Necessary institutional facilities will be provided if the research proposal is approved for financial assistance.

	Signature	Name	Designation
Principal Investigator:	Sim.	Dr. Brijesh Singh	Associate Professor
Head of the Department and Co- Investigator:	k	Dr. Neeraj Kunar Gupta	Professor (EEE)
Head of the Institute:		Dr. Anil Ahlawat	Director-In-Charge
Dated: 13-Feb-2024		KIET Group of Institu Ghaziabad	
		Sea	hl of Head of the Institute

* KIET School of Management * KIET School of Computer Application * KIET School of Pharmacy * KIET School of Engineering & Technology DELHI-NCR, MEERUT ROAD, GHAZIABAD- 201206 (U.P.) Toll Free No.: 1800 120 0106 | Website: www.kiet.edu

All disputes are subject to Ghaziabad Jurisdiction only



मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद प्रयागराज–211004 (उ॰प्र॰) भारत Motilal Nehru National Institute of Technology Allahabad Prayagraj-211004 (U.P.) India

Council of Science & Technology U.P.

Vigyan Bhawan, 9, Nabiullah Road, Lucknow-226018 APPLICATION FOR GRANT FOR ADHOC RESEARCH PROJECTS/ TRANSFER OF TECHNOLOGY PROJECTSAPPLICATION FOR GRANT FOR ADHOC RESEARCH PROJECTS/ TRANSFER OF TECHNOLOGY PROJECTS

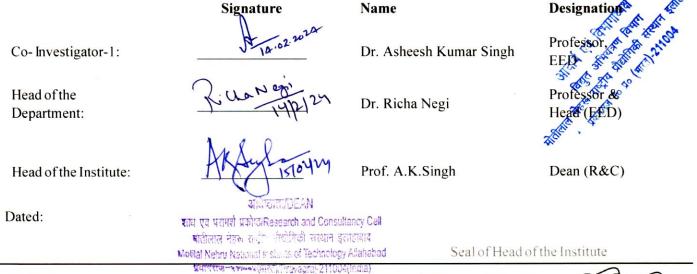
Title of Project: "Futuristic Diagnostics: AI-Driven Health and Longevity Assessment of Distribution Transformers in Solar PV integrated Power systems."

DECLARATION / CERTIFICATION / ATTESTATION

It is certified that

- a) The same project has not been submitted to any other agency/agencies for financial support.
- b) Necessary provision for the scheme/project will be made in the Institute/University budget in anticipation of the sanction of the scheme/project.
- c) If the project involves the utilization of genetically engineered organism, it is agreed that we will ensure that an application will be submitted through our Institutional Biosafety Committee and we will declare that while conducting experiments, the Biosafety Guidelines will be followed.
- d) If the project involves field trials/experiments/exchange of specimens, etc. we will ensure that ethical clearances would be taken from concerned ethical committees/competent authorities and the same would be conveyed to the CST, U.P. before implementing the project.
- e) It is agreed that any research outcome or intellectual property right(s) on the invention(s) arising out of the project shall be taken in accordance to the rules of CST, U.P. in project.
- f) The Institute/University agrees that the equipment, other basic facilities and such other administrative facilities will be extended to investigator(s) throughout the duration of the project.
- g) The Institute/University assumes to undertake the financial and other management responsibilities of the project.
- h) It is agreed that the outcome of study will be published in high impact journal with due acknowledgment to CST, U.P. after exploring possibility of IPR protection.
- i) Investigator / co-investigators below are holding regular / permanent position in this institute / organization.
- j) As per Institute norm 10% overhead is chargeable for the above such project as granted by other Central Government research organisations.

I/We have read the terms and conditions for Council of Science & Technology, UP, Research Grant. Necessary institutional facilities will be provided if the research proposal is approved for financial assistance.



Fax/फैक्सः 91-532-2545341, 2545677

Website/वेबसाइटः http://www.mnnit.ac.in



RESEARCH PROPOSAL

For



Council of Science & Technology, U.P.

(Dept. of Science & Technology, Govt. of U. P.) Vigyan Bhawan, 9-Nabiullah Road, Surajkund Park, Lucknow-226 018

Titled

Futuristic Diagnostics: AI-Driven Health and Longevity Assessment of Distribution Transformers in Solar PV integrated Power systems

Submitted by

Dr. Brijesh Singh

Associate Professor and PI Department of Electrical and Electronics Engineering KIET Group of Institutions, Delhi-NCR, Ghaziabad-201206

Dr. Asheesh Kumar Singh

Professor and Co-PI Department of Electrical Engineering Motilal Nehru National Institute of Technology Allahabad (MNNIT) Prayagraj-211004

Dr. Neeraj Kumar Gupta

Professor and Co-PI Department of Electrical and Electronics Engineering KIET Group of Institutions, Delhi-NCR, Ghaziabad-201206

February 2024

Council of Science & Technology U.P. Vigyan Bhawan, 9, Nabiullah Road, Lucknow-226018 APPLICATION FOR GRANT FOR ADHOC RESEARCH PROJECTS/ TRANSFER OFTECHNOLOGY PROJECTS

SECTION 'A': GENERAL

1. Title of the project:

Futuristic Diagnostics: AI-Driven Health and Longevity Assessment of Distribution Transformers in Solar PV integrated Power systems

(a) **Broad area/field:**

Engineering, Construction & Technology, and Information Technology

(b) Names and addresses of 3-4 scientists of repute in the field in other Universities/Research Institutions in India actively engaged in the same area of research.

Name of the Scientist/Expert	Mobile No.	Email Id	Institution/ Organization
Dr. Abheejeet Mohapatra	+91-512-597152	abheem@iitk.ac.in	Department of Electrical Engineering, IIT Kanpur UP
Dr. Mohd Rihan	9219605655	m.rihan.ee@amu.ac.in	Department of Electrical Engineering, AMU Aligarh
Mr. Anoop Nandi	9871800502	Anoop.nandi@tatapower- ddl.com	Tata Power DDL, Delhi
Mr. P. R. Kumar	9643732033	Pr.kumar@rpsg.in	Noida Power Company Limited, Noida, UP

(c) Key words:

Artificial Intelligence, Data Analytics, Distribution Transformer, Health Monitoring System Online, IoT, Loss of Life Assessment, Solar PV.

2. Name(s) and Affiliation of Investigators (Investigator and Co-investigator):

- 1. Investigator: Dr. Brijesh Singh, KIET Group of Institutions, Delhi-NCR, Ghaziabad (UP)
- 2. Co-investigator 1: Dr. Asheesh Kumar Singh, MNNIT Allahabad, Prayagraj (UP)
- **3. Co-investigator 2:** Dr. Neeraj Kumar Gupta, KIET Group of Institutions, Delhi-NCR, Ghaziabad (UP)

3. Department and full address:

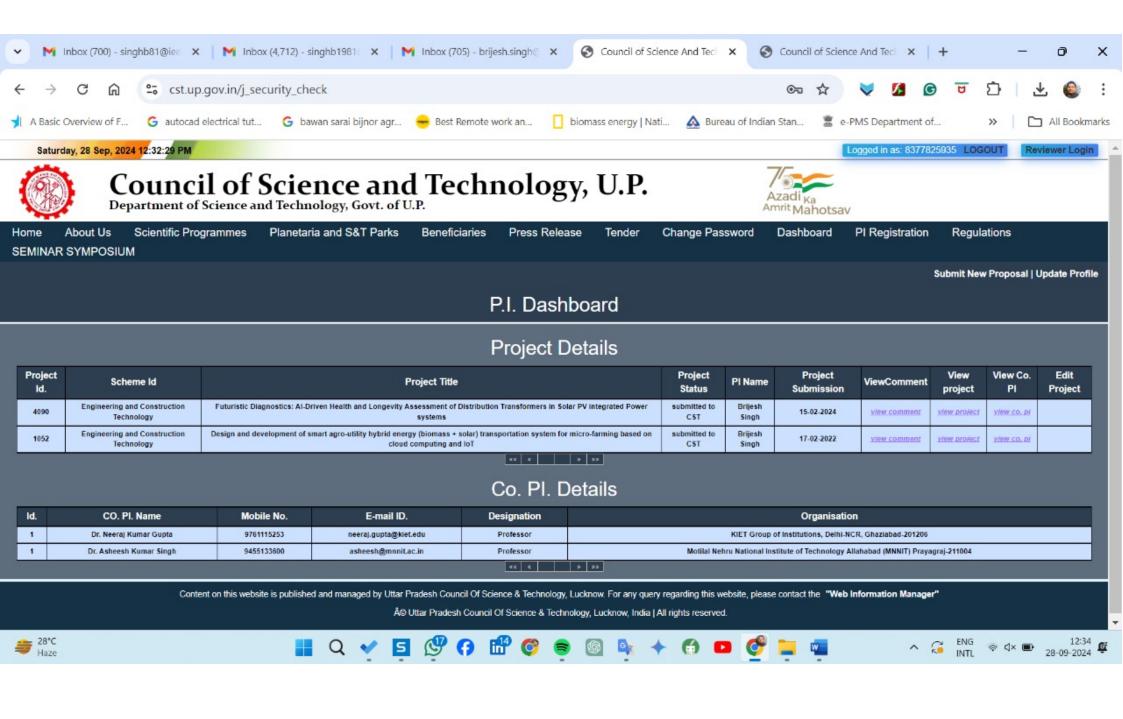
- 1. Investigator: Department of Electrical and Electronics Engineering, KIET Group of Institutions, Delhi-NCR, Delhi-NCR, Ghaziabad-201206
- 2. Co-investigator 1: Department of Electrical Engineering, Motilal Nehru National Institute of Technology, Allahabad (MNNIT), Prayagraj-211004
- **3.** Co-investigator 2: Department of Electrical and Electronics Engineering, KIET Group of Institutions, Delhi-NCR, Delhi-NCR, Ghaziabad-201206

4. Duration of the proposed project: 03Years

5. Duration of the proposed project: 03Years

Head	Year 1	Year 2	Year 3	Total	Justification	
Jr. Research Assistant – 02 @ Rs. 25,000/- p.m. each for two years and Rs. 28,000/- p.m. for third year	6,00,000	6,00,000	6,72,000	18,72,000	One each at (i) KIET Ghaziabad, and (ii) MNNIT Allahabad, Prayagraj; as per work package distribution in Table-1 of Section C: Detailed Research Proposal	
Equipment and Software	38,49,000	3,42,000	NIL	41,91,000	To develop hardware and software facilities as per research proposal at KIET Ghaziabad	
Prototype development including consumables, consultancy charges and other expenses	1,00,000	7,15,000	3,00,000	11,15,000	As per details/ requirements given in Section C: Detailed Research Proposal	
Contingencies including travel (excluding Institutional Charges)	2,00,000	2,00,000	4,00,000	8,00,000	Contingency expenses to ensure adaptation to changes without significantly impacting its budget or timeline. Travel required for unavoidable visits for fulfilling project objectives.	
Total	47,49,000	18,57,000	13,72,000	79,78,000		
Institutional overhead charges As per the CST, UP norms						

6. Amount of grant proposed (in Rs. 75,78,000/-) (Details given in Section-C).



KIET Group of Institutions, Ghaziabad

KIET Centre for Power and Energy Systems

(Associated MoU Partner Tata Power DDL, Delhi)

Activity Summary Report

Session July 2023- June 24

Submitted by Dr. Brijesh Singh Associate Professor (EEE) and Faculty In-Charge

Outcomes of MoU with Tata Power DDL, Delhi Activity 01

(March 2024)

TPDDL Collaborative Technical Paper entitled "Identifying Optimal Integration Topology for Solar PV-grid-storage-EV Charging Stations and Deployment in Rural/Remote Indian Communities" of Mr. Samarth Narayan Tandon (B. Tech 4th Year EEE Student) has been considered for publication in ISUW March 2024 conference proceeding organized by ISGF, India (Ministry of Power, Govt. of India supported Organization).

31		INELWOIKS		
32	Electric Mobility	Critical techno-economic investigation for integrational topologies of grid-pv-fast charging (dc)stations	Brijesh Singh	KIET Group of Institutions, Delhi- NCR,Ghaziabad-201206 (U.P)
	Disruptive Innovations forUtilities	Robotics in Transmission O&M	Ravi Sahu	Tata Power Co. Ltd

Critical Techno-Economic Investigation for Integration Topologies of Grid-PV-Fast Charging (DC) Stations

Samarth Narayan Tandon, *Student Member IEEE* Department of Electrical and Electronics Engineering KIET Group of Institutions, Ghaziabad-201206, India <u>samarthnarayantandon@gmail.com</u>

Brijesh Singh, Senior Member IEEE Department of Electical and Electronics Engineering KIET Group of Institutions, Ghaziabad-201206, India <u>singhb1981@gmail.com</u> ORCID: 0000-0001-5340-6643

Abstract—Growing environmental issues have led to significant changes in the automobile industry, especially towards the development of electric vehicles. Such rapid adoption of EVs has also increased concerns about electricity demand and its management at the global level. Since batterypowered vehicles require electricity to reenergize the batteries, deploying electric vehicle charging stations and individual home charging devices creates a new challenge for power distribution companies, such as a lack of uniformity in the traditional power distribution network, especially due to DC fast chargers. These chargers can cause disturbance and power quality issues in the power networks. People have begun integrating grid-powered charging infrastructure with solar PV systems to reduce the loading impact on conventional electricity networks. Such an amalgamation of three complex interfaces, fast charging stations, PV system and the grid, can be achieved using different topologies. The main objective of this paper is to explore the most suitable and efficient topology for this complex interface so that the combination of DC-fast charging and grid-tied PV systems can be adopted as an efficient system. It aims to make the most suitable and economical use of grid and solar energy with the integration of DC-fast charging, especially in remote and rural areas. In the present work, different proposed Vijender Kumar Rathor Tata Power Delhi Distribution Limited Delhi-110085 vijender.rathor@tatapower-ddl.com

Vasu Chandravanshi Tata Power Delhi Distribution Limited Delhi-110085 vasu chandravanshi@tatapower-ddl.com

conditioning and processing point of view. Power converters involved in PV and charging infrastructure inject harmonics due to non-linear loading, degrading the system power quality and efficiency and causing malfunctions in over-current and over-voltage protection devices[2], [4], [6]–[14].

The proposed research mainly focuses on three systems and their four types of interconnection topologies – grid, PV system without Energy Storage System (ESS), and fast-DC electric vehicle charging stations (EVCS), especially for remote terminals of the distribution grid. All topologies have a Point of Common Coupling (PCC) between the three interfaces, ensuring a common voltage profile for stable operation[14]–[19]. This PCC can be operated on both DC and AC depending on the cascade converters AC-DC or DC-AC and the supplied reference voltage. All the technical challenges behind integration are addressed in the last section of the paper. The purpose is to propose recommendations as support for upcoming power engineering practitioners and researchers to explore an efficient topology for integrating PV and EV Chargers with the grid with PCC.

II. PROPOSED TOPOLOGIES



<u>Activity 02</u>

(May 2024)

Meeting with Technical Team of TPDDL at CEO Office, TPDDL, Delhi regarding project collaboration (28 May 2024).

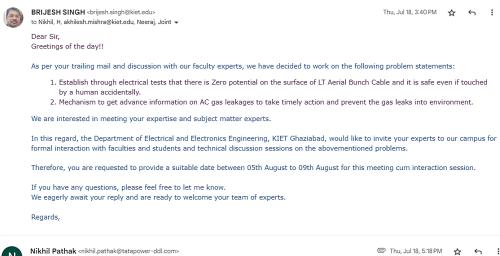
TPDDL has shared the problem statement for collaborative research project (23 June 2024.

A department level faculty team has been created to work on the following two identified problem statements and the team is led by Dr. Brijesh Singh and Prof. Ameer Faisal (18 July 2024).

A cordial invitation to join the discussion session on "Opportunities for Industrial Projects in Power Distribution Sector with State of Art Technologies" with the technical team of Tata Power DDL.

A technical team of Tata Power DDL has visited the KIET Campus on dated 30-Aug-2024 and discussed on the shared topics for collaborative industrial research projects.

N	Nikhil Pathak <nikhil.pathak⊚tatapower-ddl.com> to me, H, akhilesh.mishra@kiet.edu ↓</nikhil.pathak⊚tatapower-ddl.com>	C Sun, Jun 23, 4:59 PM	☆	¢	:
	Dear Brijesh ji, Gone through the MoU, thanks.				
	Following are some of the areas which are of concern to power distribution sector and you may select the with practical solutions:	n for doing a research stu	dy to c	ome oı	ut
	 Efficient methods for disposal of SF6 gas, once the equipment containing SF6 gas become en Establish through electrical tests that there is Zero potential on the surface of LT Aerial Bunchuman accidentally. Life Cycle Studies on electronic relays (IEDs) to determine their practical useful life. Mechanism to get advance information on AC gas leakages to take timely action and prevention. 	h Cable and it is safe even			a
	Regards,				
	NIKHIL PATHAK Head - Technical Services, Quality Assurance, Sustainability & Collaboration	s			
	Tel +91 11 6611 2457 Mob +91 9971395280 Web <u>www.tatapower-ddl.com</u> Rani Bagh Grid, Pitampura Village Road, Near Sant Nagar, Shakti Vihar, Pitampura, Delhi - 110034				





4

Thanks Brijesh ij for finalizing the action themes. We have some assessments in the second week of August due to which there might be a challenge to find suitable date slots in the week preceding to it. Still we shall check internally and get back to you to fix up the meeting plan. •••

One attachment • Scanned by Gmail ()

to Ranjana, me, H, akhilesh.mishra@kiet.edu, Neeraj, Joint 👻





Activity 03 (May 2024)

One-day hands-on Training Program on "Texas Instruments Controller Integration with MATLAB and Relay Board" organized by KIET Centre for Power and Energy Systems (Associated MoU Partner Tata Power DDL, Delhi) Department of Electrical & Electronics Engineering on dated 30 May 2024. Total no. of students registered (including students and faculty members: 30 Total No. of students participated: 29





Activity 04

(June 2024)

Completion of 1st phase of TPDDL Train-to-hire Training program and certificate distribution (11 June 2024)





LEARNING Centre	TATA POWER-DDL	Centre	TATA POWER-DDL
Certificate of Particip	pation	Certificate of Participation	
Certificate No. CEN//24 - 25/50		Certificate No. CEN//24 - 25/51	
This is to certify that		This is to certify that	
AVINASH KUMAR, BTECH 6 th Seme Of KIET, Ghaziabad	ester	Suyash Kushvaha, BTECH 6 th Semester Of KIET, Ghaziabad	
Participated in 20 Hrs. of Weekly Webinar on Power Organised by Tata Power Delhi Distribution Limited, New Delhi from	Distribution System n February 23, 2024 to May 17, 2024	Participated in 20 Hrs. of Weekly Webinar on Power Distribution Sys Organised by Tata Power Delhi Distribution Limited, New Delhi from February 23,	item 2024 to May 17, 2024
	Junt	Ś	time
	Anoop Nandi Head of Department, HR-BD&C TATA Power-DDL - Learning Centre	Head of	Anoop Nandi Department, HR-8D&C ver-DDL - Learning Centre
TATA POWER DELHI DISTRIBUTION LIMIT	ED	TATA POWER DELHI DISTRIBUTION LIMITED	

EFARNING Centre	TATA POWER-DDL
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	ly Webinar on Power Distribution System nited, New Delhi from February 23, 2024 to May 17, 2024
	Assure
	Anoop Nandi Head of Department, HR-BD&C TATA Power-DDL - Learning Centre
	LHI DISTRIBUTION LIMITED behi Government Joint Venture



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Date: 29.05 24

NOTE

To provide hands-on technical skills to students and faculty members, the department of EN has decided to organize a one-day training session on "Texas Instruments controller integration with MATLAB and relay boards" on 30-05-2024 in KIET Centre for Power and Energy Systems. The proposed training will be provided by an industry expert (profile of industry expert attached herewith this note).

It is expected that the participants will gain hands-on experience with hardware-software integration, enhancing their practical skills in using Texas Instruments controllers and MATLAB for real-world applications. The participants will learn to design and implement control systems, fostering a deeper understanding of embedded systems and control theory. The program will also improve problemsolving and troubleshooting abilities, essential for engineering projects. Additionally, it will provide insights into industry standards and practices, preparing participants for careers in automation, robotics, and related fields.

As per the vision of NEP-2020, the modernization of labs in academic institutions with trained technical hands will be considered one of the essential requirements. The hardware-software experiments in core engineering branches will play an important role in the industry readiness skills of students.

Regarding the organization of the proposed one-day workshop, the organizers will require the financial support of Rs. 3000/- from institute for remuneration of industry expert.

Therefore, it is requested to grant approval for organizing the mentioned workshop on " Texas Instruments controller integration with MATLAB and relay boards" and necessary support from the institute as mentioned above.

Submitted for your kind approval, please.

Dr Brijesh Singh Associate Professor & Faculty In-Charge, CPES

Dr Neeraj Kumar Gupta Professor & Head Department of EEE

(for kind approval)

Hands-on Training Program Texas Instruments Controller Integration with MATLAB and Relay Board Organized by Centre for Power and Energy Systems (Associated MoU Partner Tata Power DDL) Department of Electrical and Electronics Engineering KIET Group of Institutions, Delhi-NCR, Ghaziabad

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<u>Attendance</u>

Name of Participant	Student/Faculty	Roll No./Emp. ID	Signature
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		220029020002	Astich
Arshad		220029021002	2 lishedsaili
		2200290 210034	200
Acrinya Singh	Student	220029021000	
	Student	220029021002	
	Student	2100296210029	
	Student	2200290210067	- Call
1	Student	2200290210043	Kashish
		2200290210019	Answ/19
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	Student	2200 290210059	Bruch
	& tydera	71002402100	3 8347
Abhay Kumar	Student	220029021000	Abhzy Kumar
	student	2003 <	Himanstus
1	student	2300290219002	ARDE.
Allash Kuman Rai	Student	2100230210012	Brankle
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3 Suyash Kushia	La Studen.		
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	Lavish Sain Kartikay Anyan Sami Abyan Sami Abyan Sami Abyan Sami Aatish Tyagi Arshad Dinyant Kuman Sing Aanyo Singh Aanyo Singh Aanyo Singh Ashu Kumar Kashish Tyagi Anshika Kashish Tyagi Anshika Dr. VANYA GOFL Dr. VANYA GOFL Dr. Snigdha Prakhan Pandey Sahjoy Gupt Abhey Kumar Himanshu Verma Himanshu Verma Himanshu Verma	Lavish Sain Student Kartikay student Agyan Saini Student Agyan Saini Student Agyan Saini Student Agitsh Tyagi Student Arschood Student Arschood Student Arschood Student Arschood Student Arschood Student Aonyo Sigh Student Aonyo Sigh Student Ashu Kumar Sing Student Kashish Tyagi Student Kashish Tyagi Student Kashish Tyagi Student Dr. VANYA GOFE FACULTY Dr. Snigdha FACULTY Prakhan Pondey Student Student Sugeta Student Student Student Student Student Student Student Student Student Student Student Student Student Himanshu Verma Student Himanshu Supta Atudent Himanshu Supta Student Student Student Student Student Student Student Student Student Student Student Student Student Student Student Student Student Student Student Student Student Student Student Student Student Student Student Student Student Student Student Student Student Student Student Student Student Student Student Student Student Student	Kantikay Student 2100290210052 Kartikay student 2100290210052 Abytan Saini Student 2100290210052 Abytan Saini Student 2200290210024 NBHINFET NISHER Student 2200290210002 Aatish Tyagi Student 220029021002 Arshad student 220029021002 Aonyo Sigh Student 220029021002 Ashu Kumari Student 220029021002 Ashu Kumari Student 210029021002 Ka Babbar Student 220029021002 Ka Babbar Student 20029021002 Ka Babbar Student 220029021002 Ka Babbar Student 220029021002 Kashish Tyagi Student 220029021009 Dr. VANYA 90FL FACULTY 21599 Dr. Snigdta FACULTY 21599 Brokhan Pondey Student 220029021005 Abhrzy KUMAS Student 910029021005 Himanshu Verma Student 9003 C

Hands-on Training Program Texas Instruments Controller Integration with MATLAB and Relay Board Organized by Centre for Power and Energy Systems (Associated MoU Partner Tata Power DDL) Department of Electrical and Electronics Engineering

KIET Group of Institutions, Delhi-NCR, Ghaziabad Attendance Vansh Agarwal 14 student 2100290210096 25 MANAS SHARMA Student 9100290210087 26 Student Sumit Vadar 2100290210088 Aman Jilonni Student 27 20002902 10004 UCHOO) Chandra Shekhar Student 28 2100290210031 Viden Bansal 29 msal Student 2200290210088 Vanchika Chaturyed Student Vanshika 30 2200270210086 Dr. Brijert Singh Faulty 21 20757 Anil kushadu Talsta 15067 32

Hands-on Training Program Texas Instruments Controller Integration with MATLAB and Relay Board Organized by Centre for Power and Energy Systems (Associated MoU Partner Tata Power DDL) Department of Electrical and Electronics Engineering KIET Group of Institutions, Delhi-NCR, Ghaziabad

Hands-on Training Program Texas Instruments Controller Integration with MATLAB and Relay Board Organized by

Centre for Power and Energy Systems (Associated MoU Partner Tata Power DDL)

Department of Electrical and Electronics Engineering KIET Group of Institutions, Delhi-NCR, Ghaziabad

We are pleased to announce a hands-on training program focused on integrating Texas Instruments (TI) controllers with MATLAB and relay boards scheduled on 30-05-2024 at the Centre for Power and Energy Systems (H-Block Ground Floor). This training is designed to provide participants with practical experience in embedded systems and control applications.

Program Details:

Date: 30-05-2024

Time: 11:00 AM

Venue: Centre for Power and Energy Systems (Associated MoU Partner Tata Power DDL), H-Block, Ground Floor

Eligibility: Open to all students and faculty members interested in embedded systems and control engineering.

Key Learning Objectives:

Master the integration of TI controllers with MATLAB for power engineering projects and research.

Design and implement control systems for electrical systems using relay boards.

Gain insights into industry standards and practices related to power engineering practices.

How to Register: Fill the following Google form:

https://forms.gle/2tGN8Lgwr5BSpDDU9

Note: Limited seats are available for students, it will be finalized based on First-Come-First Serve basis.

For more information, please contact.

Dr. Brijesh Singh

(8377825935)

Don't miss this opportunity to enhance your skills and knowledge in embedded systems for power engineering applications!

Texas Instruments Controller Integration with MATLAB and Relay Board Hands-on Training Program Organized by

CI

Department of Electrical and Electronics Engineering KIET Group of Institutions, Delhi-NCR, Ghaziabad Centre for Power and Energy Systems (Associated MoU Partner Tata Power DDL)

Registrations

Timestamp Email Address Name of Student/Faculty Member University Roll Contact number KIET e-mail id Anjun 2125en1102@kiet edu 5-29-2024 anjun 2125en1102@kiet edu Anjon Singh P/P 2100290210024 7986969943 anjun 2125en1102@kiet edu 5-29-2024 anjun 2125en1102@kiet edu Anjon Singh P/P 2200290210001 8544709851 aanya 2226en1067@kiet edu 5-29-2024 anhay 2226en1057@kiet edu Anhay Kumar P 2200290210003 745.024750 ahnia 2226en1057@kiet edu 5-29-2024 anhay 2226en1056@kiet edu Anha Kumar P 2200290210003 745.024750 ahnia xhya 2226en1056@kiet edu 5-29-2024 anhia xha 2226en1056@kiet edu Anhia kshya Singh 2200290210003 745.024750 ahnia xhya 2226en1056@kiet edu 77/06:39 ahnia xha 2226en1056@kiet edu Anhia kshya Singh 2200290210003 745.024750 ahnia xhya 2226en1056@kiet edu 77/06:39 ahnia xha 2226en1056@kiet edu Xeñhia Frande 2200290210003 745.024750 ahnia xhya 2226en1056@kiet edu 77/06:39 ahnia xha 2226en1056@kiet edu Xeñhia Frande 22002902							edu	np	npa		np	h		eau	edu	Ē	2	np
Email Address Name of Student/Faculty Member University Roll Contact number arjun.2125en1102@kiet.edu Arjun Singh 2100290210024 7986969943 aenya.2226en1041@kiet.edu Arinya Singh 2100290210001 8544709851 aenya.2226en1067@kiet.edu Arinya Singh 2200290210001 8755024597 aenya.2226en1056@kiet.edu Arinya Singh 2200290210003 7462024750 abhay.2226en1056@kiet.edu Arinya Singh 2200290210003 7462024750 abhay.2226en1056@kiet.edu Arinar P 2200290210003 746202473 kashish.2226en1056@kiet.edu Arinar P 2200290210003 745202473 kashish.2226en1056@kiet.edu Arinar P 22002902100043 969552290 kashish.2226en1035@kiet.edu Mrdhi Bansal 2200290210059 7376482973 vidhi.2226en1035@kiet.edu Prafkhar Pandey P 2200290210059 7376482973 vidhi.2226en1035@kiet.edu Prafkhar Pandey P 2200290210059 7376482973 vidhi.2226en1036@kiet.edu Prafkhar Pandey P 2200290210057 7376482973		KIET e-mail id	arjun.2125en1102@kiet.edu	aanya.2226en1041@kiet.edu	anshika.2226en1067@kiet.e	abhay.2226en1055@kiet.ed	abhilakshya.2226ce10@kiet	kashish.2226en1083@kiet.e	prakhar.2226en1012@kiet.e	vidhi.2226en1035@kiet.edu	pawan.2226en1023@kiet.e	Antich 2226an1079@kiet e0		Arshad.2226en1010@kiet.6	suyash.2125en1116@kiet.	Lating And Constant All Minet al	IAVISIN.Z 120401 104000 VIEU C	akash.2125en1066@kiet.e
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	Name of	Name or Student/Faculty Member	Arjun Singh		Anshika				Brákhar Pandey P	Widhi Bansal	awan Jain	(•		Curroch Kuchvaha		Lavish Saini	AKASH KUMAR RAI
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18:27:51 5-29-2024	himanshu.2226en1093@kiet.edu	Himanshu gupta	2300290219002	6394921423	himanshu.2226en1093@kiet.edu
19:08:21 5-29-2024	vishal 2125en1087@kiet.edu	Vishal kumar verma	2100290210102	6386309697	Vishal.2125en1087@kiet.edu
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20:30:16 5-29-2024	abhinav 2226en1054@kiet.edu	Abhinav verma	2200290210006	9838688369	abhinav.2226en1054@kiet.edu
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5-30-2024 7:27:55	sumit.sharma@kiet.edu	Dr Sumit Sharma	21459	9812878882	9812878882 sumit.sharma@kiet.edu
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5-30-2024 9:25:49	salim@kiet.edu	SALIM	15334	9891913083	9891913083 salim@kiet.edu
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Dr YADUVIR SINGH <yaduvir.singh@kiet.edu>

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BRIJESH SINGH

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To_YADUVIR SINGH <Yaduvir.singh@kiet.edu>

Wed, Jul 10, 2024 at 1.50 PM

Thank you and regards,



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Dr. Brijesh Singh

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singh@kiet.edu>
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Cc: Brijesh Singh <singhb1981@gmail.com>, Dr. Neeraj kr Gupta <neeraj.gupta@kiet.edu>

Dear Participant,

Please find attached the Certificate of Participation for attending the One-day hands-on Training Program on

"Texas Instruments Controller Integration with MATLAB and Relay Board"

rganized by

IET Centre for Power and Energy Systems

(Associated MoU Partner Tata Power DDL, Delhi)

Department of Electrical & Electronics Engineering

Dated 30 May 2024.

Technically Supported by IEEE Student Branch KIET Ghaziabad.

List of Participants and Certificate Details:

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Thank you with my sincere regards,



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🗟 Brijesh Singh

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Dr. Brijesh Singh

Senior Member IEEE, IEEE-PES, IEEE-IAS, IEEE-PELS, IEEE-YP, IEEE-SIGHT Associate Professor (EEE), Department of Electrical & Electronics Engineering Assistant Dean, Industry-Academic Research Collaboration & Promotion (KIET-R&DC) Faculty In-charge and Coordinator, KIET Centre for Power and Energy Systems Editor, KIET Research Magazine "अनुसंधान" (https://www.kiet.edu/krm) Branch Counselor, KIET IEEE Student Branch (STB11398) KIET Group of Institutions, Delhi-NCR, Ghaziabad Meerut Road (NH-58), Ghaziabad-201206 (UP), India (formerly known as Krishna Institute of Engineering & Technology) Contact: +91 8377825935, +91 9450838018 brijesh.singh@kiet.edu; singhb1981@gmail.com; singhb81@ieee.org https://orcid.org/0000-0001-5340-6643 Web of Science ResearcherID: B-4355-2013 https://www.scopus.com/authid/detail.uri?authorld=57205180825 https://vidwan.inflibnet.ac.in/profile/143807 scholar.google.com/citations?hl=en&user=9gNsytcAAAAJ https://www.linkedin.com/in/singhb1981/

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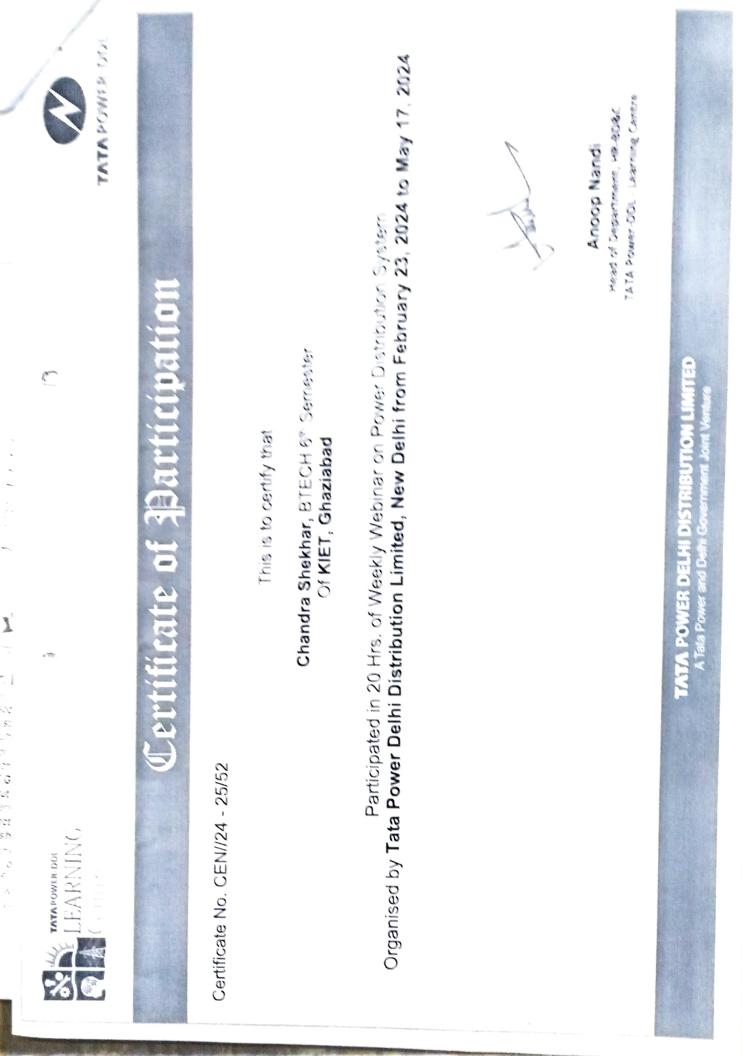
From: CHANDRA SHEKHAR <chandra.2125en1043@kiet.edu> Date: Wed, Jun 12, 2024 at 5:14 PM Subject: Fwd: E-Certificate for the Completion of 1st phase Webinar Series To: <brijesh.singh@kiet.edu>

--------Forwarded message -------From: Vedika Mishra <vedikam106@gmail.com> Date: Tue, 11 Jun, 2024, 11:31 am Subject: E-Certificate for the Completion of 1st phase Webinar Series To: <chandra.2125en1043@kiet.edu> Cc: <anoop.dhawan@tatapower-ddl.com>

Dear student,

Please find enclosed your E-Certificate for the Completion of 1st phase of Webinar Series. Hope to meet you again in the 7th Semester for the 2nd phase of the Webinar Series. HAPPY LEARNING!!

In case of any further query, please contact Mr. Anoop Dhawan at 9810996036 Thanks & Regards





RE || TPDDL KIET MOU || Proposal for Collaborative Research Project.

John Edwin <john.edwin@tatapower-ddl.com>

We of the \$2023 HHO BM

To BRIJESH SINGH <brijesh.singh@kiet.edu>

ddl.com> CcV jender Kumar Rathor <vi jender.rathor@tatapower-ddl.com>;Vasu Chandravanshi <vasu.chandravanshi@tatapower

Dear Brijesh ji,

You can include the below listed 2 persons for this Collaborative Research Project

- 1. Mr Vijender Kumar Rathor
- 2. Mr Vasu Chandravanshi

Further contact details will be provided in due course.

JOHN EDWIN

(91.99.100.82270 | Web www.tatapower.ddl.com

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Tata Power-DDL Learning Centre | Block - F | Sector 11 |Rohini |Delhi – 110085

Subject: Fw: || TPDDL-KIET MOU || Proposal for Collaborative Research Project. To: John Edwin <john.edwin@tatapower-ddl.com> Sent: Monday, September 11, 2023 2:00 PM From: BRIJESH SINGH <brijesh.singh@kiet.edu>

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From: BRIJESH SINGH <<u>brijesh.singh@kiet.edu</u>> Sent: Wednesday, September 6, 2023 7:41 AM To: John Edwin <<u>john.edwin@tatapower-ddl.com</u>> Cr: Anoon Nandi <anoon nandi@tatapower-ddl.com>

Cc: Anoop Nandi <anoop nandi@tatapower-ddl.com>; Anoop Dhawan <anoop.dhawan@tatapower-ddl.com>; KIET <<u>director@kiet.edu</u>> Rajeev Chugh <<u>rajeev.chugh@tatapower-ddl.com</u>>; Dr. Neeraj kr Gupta <<u>neeraj.gupta@kiet.edu</u>>; DIRECTOR

Subject: || TPDDL-KIET MOU || Proposal for Collaborative Research Project

5

Mr. John Edwin Tata Power-DDL Learning Centre Block - F. Sector 11, Rohini, Delhi - 110085

Dear John Edwin Ji, hope this e-mail finds you in good health and cheerful spirits

Research Project with the joint effort of TPDDL and KIET. As per our discussion, this mail is initiated regarding the execution of a Collaborative cm writing this meil on behalf of the KIET research team to formally submit a

Submission of Collaborative Project Proposal

to

Tata Power DDL, Delhi

Title of the Proposed Project

Technical Investigation on the Establishment of Solar PV-Tied Adaptive Fast Charging Stations for Indian Rural and Remote Societies

Introduction

Currently, net-zero emissions programmes are one of the most essential and promising needs globally. All government agencies and industries are promoting this program, which has rapid growth rates across the world. Transport systems play an important role in this direction. In fact, the entire transportation system is in a transition phase and trying to replace IC-based vehicles with electric vehicles (BEV, HEV, and PHEV). For the growth and universal access of electric vehicles, it is necessary to expand charging stations, especially in countries like India. India's geographical spread is very uneven; it may seem that the reach of the power grid is everywhere. However, ensuring the availability and reliability of electricity everywhere is still a challenging task. Therefore, reliance only on grid-tied charging stations (especially fast charging-based stations) may hinder the e-mobility mission. This becomes even more challenging, especially for rural and remote areas. Such infrastructure must be available to every customer for a reliable and seamless EV driving experience, regardless of their time and location. Also, the addition of fast chargers (heavy non-linear loads) with the distribution network having a complete dependence on the distribution system for their operation leads to degradation of power quality as well as to the life of feeder and distribution transformers. Therefore, the proposed research project proposal represents the idea of the design and development of solar PV-tied charging stations to which grid power will be connected as an additional source of energy. It is assumed that the grid will provide power in extreme situations when solar-based power is unavailable.

Objectives of Proposed Project Work

1. System Architecture and Modelling:

- Define the overall system architecture for EV charging station simulation, including hardware, software, and data components.
- Develop detailed simulation models of EV charging stations, including different charging standards (e.g., CCS, CHAdeMO), power levels, and connector types.
- Create models of electric vehicle batteries, considering different battery chemistries and capacities.
- Establish data models to monitor energy consumption, charging rates, and state of charge (SOC) of EV batteries.

2. Development of Simulation Model:

- Develop MATLAB/Simulink based custom model to create the simulation environment.
- Implement the charging station model, battery model, and power electronics controller within the simulation software.
- Integrate real-world data sources for factors such as weather conditions, grid electricity prices and EV usage patterns.

3. Data collection and analysis:

• Establish mechanisms to collect and store simulation data, including charging session logs, energy consumption, and system performance metrics.

- Apply data analysis algorithms to extract meaningful insights, such as the impact of charging station placement on grid load, the cost of EV charging, and user behavior patterns.
- Use statistical methods and machine learning techniques to identify trends and optimize charging station operations.

Expected Outcomes of Proposed Work

- To compile all the findings and observations in form of technical report.
- Jointly publish the findings and observations in form of quality conference papers/journal papers/IPR etc.
- Submit a joint research project proposal to different funding agencies (DST, CST, Ministries, other Govt./Pvt. Bodies) for developing and establishing the proposed project as pilot project.

Progress Till Date

1) Mathematical modelling and MATLAB/Simulink based simulation of adaptive charging terminals are completed.

1/

2) Literature review for establishing Solar PV based charging station is in progress.

Proposed Team

- 1. Students of KIET (maximum two)
- 2. Nominated Supervisor/Collaborator, KIET (maximum two)
- 3. Nominated Supervisor/Collaborator, TPDDL (maximum two)

Submitted by

Dr. Brijesh Singh Associate Professor (EEE) KIET Group of Institutions, Delhi-NCR, Ghaziabad Contact: brijesh singh<u>a kiet.edu</u>, +91-8377825935



BRIJESH SINGH

singh@kiet.edu>

|| TPDDL-KIET MOU || Proposal for Collaborative Research Project.

B COSSIQUE

BRIJESH SINGH
bryesh sidgh@kieLedu>

Wed, Sep 6, 2023 at 7:41 AM

To John Edwin sijohn edwin@tatapower-ddl.com* Co Alfoco Nano, Sanoo nanor@tatapower.odl.com*, Anoop Dhawan - anoop dhawan@tatapower.ddl.com*, Rajeev Chugh <rajeev.chugh@tatapowerloo:.com*, "Dr. Neera: kr.Guota" sheeraj gupta@kiet.edu = DIRECTOR Kit 1 sdirector@kiet.edu =

M. John Edwin Tata Power-DDL Learning Centre Block - F. Sector 11, Rohmi, Delhi - 110085

Dear John Edwin Ji

I hope this e-mail finds you in good health and cheerful spirits.

As per our discussion, this mail is initiated regarding the execution of a Collaborative Research Project with the joint effort of TPDDL and KIET.

1 am writing this mail on behalf of the KIET research team to formally submit a collaborative research project proposal as per our Memorandum of Understanding (MoU) with Tata Power Delhi Distribution Limited (TPDDL).

The title of this proposed project is **"Technical Investigation on Establishment of Solar PV-Tied Adaptive Fast Charging** Stations for Indian Rural and Remote Societies".

A summary of the proposed project is attached to this mail.

Our proposed project aims to address key challenges and opportunities in the interconnection of renewable energy and smart grid technologies including charging infrastructure. By combining the technical expertise of TPDDL's personnel with the industrial knowledge resources and innovation capabilities of KIET's faculty members and students, we can expect a dynamic partnership that will lead to pioneering advances in the field.

To initiate the collaborative research work, the following two points are essential:

1. Building a Collaborative Research Team

It is required to identify subject matter experts from both sides and create a joint research team. This collaborative effort will ensure an approach to problem-solving and knowledge sharing.

2. Scheduling of an official meeting

To start this research project, we request your support in scheduling an official meeting at your earliest convenience.

The aim of this meeting is to discuss project specifications, set clear objectives, and create a comprehensive project roadmap.

We are looking forward to your response and the opportunity to meet and cooperate effectively. Thank you for your attention to this proposal. We believe this partnership will be mutually beneficial and contribute significantly to the broader objectives of clean energy and technological advancement.

If you have any questions or need more information, please feel free to contact me.

Thank you with my sincere regards,



https://www.kieliedu/

Dr. Brijesh Singh



3 KIET GROUP OF INSTITUTIONS Mail - || TPDDL-KIET MOU || Proposal for Collaborative Research Project. " project. n Edwin <john.edwin@tatapower-ddi.com> Jender Kumar Rathor <vijender.rathor@tatapower-ddl.com>, Vasu Chandravanshi <vasu.chandravanshi@tatapower-ddl.com> Thank you for providing the name of experts from your organization for the project proposal mentioned. As per ISUW 2024 Guidelines, we need to submit the following details for abstract submission. 1 Name of Author 2. Designation Also, requested to schedule a meeting with the experts, Vijender Kumar Rathor Ji and Vasu Chandravanshi Ji before 25-Sep-2023 (preferably in physical mode). Thank you with regards, Duorentext hilden) From: John Edwin < John edwin@tatapower-ddl.com> C: Vijender Kumar Rathor <vijender.rathor@tatapower-ddl.com>; Vasu Chandravanshi <vasu.chandravanshi@tatapower-ddl.com> Subject: RE: || TPDDL-KIET MOU || Proposal for Collaborative Research Project. Mon, Sep 18, 2023 at 12:04 PM Dear Brijesh ji The details requested are as follows: 1. Name of Author : VIJENDER KUMAR RATHOR 3. Name of Organization Tata Power Delhi Distribution Limited 4. Contact Number : 9871798533 5. e-mail Id : vijender.rathor@tatapower-ddl.com 1. Name of Author VASU CHANDRAVANSHI 3. Name of Organization : Tata Power Delhi Distribution Limited Also please note that the meeting will have to be held at one of our Offices as both the experts would not be able to travel to Ghaziabad. I will
 here with them and latives here a visible date. check with them and let you know a suitable date Tue, Sep 19, 2023 at 3:41 PM John Edwin <john edwin@tatapower-ddl.com> o BRIJESH SINGH <brijesh singh@kiet.cdu> Dent Stijestini Meeting has been scheduled for Friday, Sleptember 22, 2023 at CENPEID Rohini from 10 AM onwards.

2073 at 1 59 PM

ANDE





RESEARCH & CONSULTANCY FOUNDATION

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GAUTAM BUDH NAGAR-201301		Invoice No. :		KIRCF/2024/21		
Place	of Services: U.P	State Code: (09)	State	Code	U.P (09)	
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Address: KIET Group of Institutions, Delhi-NCR, Meerut Road (NH-58), Ghaziabad - 201206 (UP) Mobile No.: +91 8588811998 | +91 9808621738, Toll-free No.: 1800 313 0056 (All Disputes are subject to Ghaziabad Jurisdiction only)



Request for Prompt Confirmation: MATLAB Fundamentals Training Program

5 messages

HoD (EEE) <neeraj.gupta@kiet.edu> To: kuldeep Tyagi <kuldeep.tyagi@saracasolutions.com>, vaibhav.tyagi@saracasolutions.com, pooja.bisht@saracasolutions.com Cc: "Prof. Salim" <salim@kiet.edu>

Tue, Feb 13, 2024 at 3:08 PM

Dear SARACA Solutions Team

I am delighted to extend this invitation to you on behalf of the Department of Electrical and Electronics Engineering at KIET Group of Institutions, Ghaziabad. We are excited to announce an upcoming training program on MATLAB fundamentals, aimed at enhancing your skills in this powerful tool widely utilized in engineering and scientific research.

Training Program Overview:

- Duration: 2 Weeks
- **Objective:** To provide participants with a comprehensive understanding of MATLAB, covering essential functionalities such as:
 - Introduction to MATLAB environment and interface
 - Basic operations and syntax
 - Data visualization techniques
 - Scripting and programming fundamentals

Resource Persons and Dates:

S. No.	Resource Person	Tentative Date
1	Dr. Natwar Singh Rathore	14-02-2024
	Dr. Sourav Diwania	14-02-2024
2	Prof. Kapil Gandhi	15-02-2024
3	Prof Salim	16-02-2024
4	Dr. Varun Gupta	19-02-2024
5	Dr. Sumit Sharma	20-02-2024
6	Dr. Varun Gupta	21-02-2024
7	Dr. Natwar Singh Rathore	22-02-2024
8	Prof Kapil Gandhi	23-02-2024

S. No.	Resource Person	Tentative Date
	Prof Salim	23-022024
9	Dr. Sourav Diwania	24-02-2024
	Dr. Natwar Singh Rathore	24-02-2024

This training program is designed exclusively for SARACA Solutions participants, aligning with our commitment to offering industry-relevant skill enhancement opportunities. As part of our Consultancy to Industry initiative, various expert faculty members will lead sessions during the program.

Remuneration and Acknowledgement: According to Institute policy, remuneration of one lac is allocated for this training program due to the involvement of expert faculty members. We kindly request your acknowledgement for the same.

Should you have any inquiries or require further information, please do not hesitate to contact Prof.Salim.

With Warm Regards,

Dr. Neeraj Kumar Gupta

Professor & Head of Deptt. Electrical & Electronics Engg.,

Senior Member IEEE USA

Department Vision: To achieve excellence in technical education and create competent professionals for industry & Socio-economic development to meet National and International needs.



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Electrical & Electronics Engineering Department

KIET Group of Institutions, Ghaziabad

Delhi-NCR, Meerut Road (NH-58) Ghaziabad-201206

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Tue, Feb 13, 2024 at 3:28 PM

Vaibhav Tyagi <vaibhav.tyagi@saracasolutions.com> Tue, Fek To: "HoD (EEE)" <neeraj.gupta@kiet.edu> Cc: "Prof. Salim" <salim@kiet.edu>, Kuldeep Tyagi <kuldeep.tyagi@saracasolutions.com>, Pooja Bisht <pooja.bisht@saracasolutions.com>

Dear Sir,

We thank you very much & highly appreciate Kiet team for arranging the training for Saraca. We acknowledge the mentioned remuneration of one lac for the training & request you to please provide us the Invoice to initiate the 50% Advance payment & rest 50% we will release after completion of the training.

For further management we will contact Prof. Salim to start the training as per the below provided schedule.

Regards

Vaibhav Tyagi

Sr. Business Development Manager

+91-9873221798

From: HoD (EEE) <neeraj.gupta@kiet.edu>
Sent: Tuesday, February 13, 2024 3:08 PM
To: Kuldeep Tyagi <kuldeep.tyagi@saracasolutions.com>; Vaibhav Tyagi <vaibhav.tyagi@saracasolutions.com>; Pooja
Bisht spoia.bisht@saracasolutions.com>
Cc: Prof. Salim <salim@kiet.edu>
Subject: Request for Prompt Confirmation: MATLAB Fundamentals Training Program

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[Quoted text hidden]

Dear Sir Kindly go-through the trailing mail and Invoice to initiate the 50% Advance payment.

With Warm Regards,

Dr. Neeraj Kumar Gupta

Professor & Head of Deptt. Electrical & Electronics Engg.,

Senior Member IEEE USA

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Delhi-NCR, Meerut Road (NH-58) Ghaziabad-201206

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[Quoted text hidden]

HoD (EEE) <neeraj.gupta@kiet.edu> To: DEAN IEC <dean.iec@kiet.edu> Cc: "Prof. Salim" <salim@kiet.edu>

Dear sir Please provide us the Invoice to initiate the 50% Advance payment

With Warm Regards,

Dr. Neeraj Kumar Gupta

Wed, Feb 14, 2024 at 3:40 PM

Professor & Head of Deptt. Electrical & Electronics Engg.,

Senior Member IEEE USA

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Electrical & Electronics Engineering Department

KIET Group of Institutions, Ghaziabad

Delhi-NCR, Meerut Road (NH-58) Ghaziabad-201206

A Please do not print this email unless it is absolutely necessary.

------ Forwarded message ------From: **Vaibhav Tyagi** <vaibhav.tyagi@saracasolutions.com> Date: Tue, Feb 13, 2024 at 3:28 PM Subject: RE: Request for Prompt Confirmation: MATLAB Fundamentals Training Program To: HoD (EEE) <neeraj.gupta@kiet.edu> Cc: Prof. Salim <salim@kiet.edu>, Kuldeep Tyagi <kuldeep.tyagi@saracasolutions.com>, Pooja Bisht <pooja.bisht@saracasolutions.com>

[Quoted text hidden]

SALIM khan <salim@kiet.edu> To: VARUN GUPTA <varun.gupta@kiet.edu> Mon, Feb 19, 2024 at 6:38 PM

------ Forwarded message ------From: HoD (EEE) <neeraj.gupta@kiet.edu> Date: Tue, 13 Feb, 2024, 3:08 pm Subject: Request for Prompt Confirmation: MATLAB Fundamentals Training Program To: kuldeep Tyagi <kuldeep.tyagi@saracasolutions.com>, <vaibhav.tyagi@saracasolutions.com>, <pooja.bisht@saracasolutions.com> Cc: Prof. Salim <salim@kiet.edu>



Re: Regarding PLC and Automation Training Structure and charges.

Business Development <bdm@sofcontraining.com>

Fri, Mar 22, 2024 at 4:10 PM

To: SALIM khan <salim@kiet.edu>, "Dr. Neeraj kr Gupta" <neeraj.gupta@kiet.edu>, Dr Rahat U Khan <rahat.khan@kiet.edu>

Cc: Branch Manager Noida <bm.noi@sofcontraining.com>, Bhagwan Singh <bhagwan@sofcontraining.com>

Dear Sir,

Greetings of the Day,

As discussed today, we revised training duration from 3 month into 2 Months in fast track mode. In this case we need advance payment for all students.

On Fri, Mar 1, 2024 at 1:55 PM Business Development <bdm@sofcontraining.com> wrote:

Dear Sir,

Greetings,

With reference to your mail and meeting dated 28/02/2024, We are thankful for choosing us as a training partner , as we discussed in meeting for B,Tech Final year Electrical Branch Student No. 25, we have especially designed a training and placement program.

Please find attached following your reference :

- 1. Job Oriented Training Proposal.
- 2. Placement Terms and conditions
- 3. Course Content

Hope you will find this suitable for further proceedings, In case of any clarification feel free to contact.

On Thu, Feb 29, 2024 at 3:59 PM SALIM khan <salim@kiet.edu> wrote: Dear Madam / Sir, Please share the details of the training course and charges in each aspect. total number of students = 25.

Mail Id of HoD Dr. Neeraj Gupta- neeraj.gupta@kiet.edu

Thanks and Regards,



www.kiet.edu

KIET Group of Institutions

Delhi-NCR, Meerut Road (NH-58) Ghaziabad - 201206



Salim

B.Tech., M.Tech., Ph. D* Asst. Professor(EEE), Assistant Head DSDC, Industry Faculty LabVIEW CLAD Certified

Mob.: +91-9891913083

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Department Vision: To achieve excellence in technical education and create competent professionals for industry & Socio-economic development to meet National and International needs.

Regards,

Jaya Nitesh Business Development Manager Sofcon India Pvt.Ltd. B5 Sec 2 Noida Near Sec15 Metro Station U.P-201301 Mob; 9910043776 , 9899864659 Landline :0120-4314699 Email ID - bdm@sofcontraining.com Website: https://www.sofcontraining.com Facebook: https://www.facebook.com/sofcontraining.india Twitter: https://www.facebook.com/sofcontraining.india Twitter: https://www.facebook.com/sofcontraining.india Twitter: https://plus.google.com/u/0/+SofconIndiaPvtLtd1 YouTube: https://www.youtube.com/c/SofconIndiaPvtLtd1 LEGAL DISCLAIMER

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Regards,

Jaya Nitesh Business Development Manager Sofcon India Pvt.Ltd. B5 Sec 2 Noida Near Sec15 Metro Station U.P-201301 Mob; 9910043776, 9899864659 Landline :0120-4314699 Email ID - bdm@sofcontraining.com Website: https://www.sofcontraining.com Facebook: https://www.facebook.com/sofcontraining.india Twitter: https://twitter.com/TrainingSofcon Google+: https://plus.google.com/u/0/+SofconIndiaPvtLtd1 YouTube: https://www.youtube.com/c/SofconIndiaPvtLtd1 LEGAL DISCLAIMER

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Date: 03/01/2024

To,

HOD EE,

Krishna Institute of Engineering and Technology,

Ghaziabad,

Kind Attn : Mr. Salim Khan (Asst.Prof.) Mob: 9891913083 Email Id. salim@kiet.edu Subject :Job Oriented Industrial Automation Training for B.Tech final yr. Students

Sofcon is **NSDC**, **Ministry of Skill Development & Entrepreneurship (Govt. of India)**, affiliated & funded company. We have over 2 decades of rich experience in design, assembling, installation, supply and servicing of Industrial Automation, Building Automation, Electronics& Software solutions. We have experience of providing turnkey solutions to applications like Cement Plants, Power Plants, Food Processing Plant, Chemical Process Automation, Plastic, Pharma, Machineries, Oil Refineries, Water Treatment Plants, Energy Monitoring, Load Management, Material Handling, Coal Plant, SCADA Systems, Aluminum, Picture Tube, Automobile, Ash Handling, Electronics manufacturing, Software services etc.

What we do:

We impart hands-on training on:

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- EngineeringDesign: Electrical Design, Process Design, Instrumentation design, Piping Design, Solar Design, Civil – Structure Design,AutoCad 2D/3D,Inventor, Revit MEP.
- Building Automation: BMS System, HVAC Controls, Fire and Alarm, Access Control, Electronics surveillance- CCTV.
- HVAC Design & Drafting: Air conditioning system, Psychometric charts, Heat Load calculation, Duct designing, HVAC Designing software, Graphic generation for AHU, Chiller & cooling tower,
- Industrial Mechanical systems: Pneumatics-Hydraulics control with PLC, Pump-Compressor, Mechatronics, Electromechanical System
- **VLSI**: (Linux, Verilog, Systems Verilog, FPGA, CMOS, VHDL, C & Data Structure)
- MATLAB: Basic matrices, Math Plotting Operations, GUI, Communication toolbox, Power & control system, Simulink, Image Processing, Digital signal processing, Hardware control,
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- a) NSDC, Ministry of Skill Development & Entrepreneurship (Govt. of India) affiliated & funded company.
- b) **Corporate group** with more than 200 heads on its rolls having presence in industries since 1995, executed 7000+ projects for industries including overseas projects for countries like Nepal, Bhutan, Russia, Middle East, Europe, Canada, hence greater acceptability.
- c) Wider reach: Having 20+ placement officers working across India at (Noida, Delhi, Gurgaon, Jaipur, Lucknow, Bhopal, Ahmedabad, Baroda, Pune, Mohali, Allahabad).
 d) Rich faculty pool of very experienced Experts.
- e) More than 500 in-campus training programs in national / International colleges including Future University Sudan.
- f) More than 400 customised/In-plant training programs (Including international clients: Qatar Petroleum, JHOC Yemen, Druk Green Power Corp Bhutan...) for corporate/companies in their plants.
- g) **Placed 30000+ students** across various industries. Our placed students are working with leading companies like Siemens, Rockwell automation, GE Fanuc, Omron, Delta, Tata Honeywell, ABB & large Process & manufacturing giants, Electronics giants, Software companies.
- h) **Trained more than 70000 freshers & working professionals** with more than 500 international participants from **Middle East, Africa, Australia, UK, Bhutan, Nepal, Sri Lanka**...
 - i) Course material prepared by experts having several years of industry experience.
 - j) Internationally recognized certificate with NSDC.

Our In-house/In-Campus Trainings:

Students don't need to go outstation & spend on travelling, boarding-lodging etc. instead our trainers go to colleges and conduct hands-on training for reasonable cost. We have conducted more than 500 similar training batches for colleges/students. A few colleges are *BIET Pilani*, *DAV Jalandhar*, *Gyan Ganga Jabalpur*, *HCST Mathura*, *Subharti Meerut*, *RGEC Meerut*, *Arni University HP*, *SMEC Neemrana*, *GITS Udaipur*, *NRI-IST Bhopal*, *SIET Allahabad*, *BSA Mathura*, *Ideal Ghaziabad*, *NIEC Delhi*, *LKCT Indore*, *EIT Faridabad*, *ITM Gwalior*, *PCTE Ludhiana*, *DCTM Palwal*, *Sunrise Lucknow*, *RPS Balana*, *SIRT Bhopal*, *KNIT Sultanpur*, *MVN University Palwal*, *GIET Gunupur*, *BIET Lucknow*, *AIET Udaipur*, *SIRT Bhopal*, *VEC Meerut etc.*, *Galgotia Greater Noida*, *GL Bajaj Greater Noida* (*A few testimonials attached*).

Our In-Plant/Corporate Training:

We customize the training needs of various corporate in India and abroad as per plant/facility requirements. We are specialist & one-stop shop offering customized training solutions *in-plant* or at our facilities at our 9 No fully equipped training centers at *Noida*, *Delhi*, *Gurgaon*, *Luck now*, *Bhopal*, *Ahmadabad*, *Baroda*, *Pune*, *Kerala*.

We have successfully conducted more than 150 customized training programs. A few names include IGL Delhi, GlaxosmithKline, Bajaj Auto, Schenk Rotek, McCain Foods, Moser Baer, JCT Electronics, CCIL, JP Cement, Ultratech Cement, Shree Cements, JK Laxmi Cement, IDMC Ltd., Parle Biscuits Ltd, Tudor India Ltd., , Emersion Ltd., Sergi India, Ecocat Pvt Ltd, Pepsico, Coca Cola, NHPC, NTPC, NHDC, GAIL India, Ingersoll Rand, Motherson Ltd, Jindal Iron, UFlex, Samsung, Subros, JHOC Yemen, Qatar Petroleum, Drunkgreen Bhutan and many more (A Few testimonials enclosed).

S.No	Offered Course	Course Duration	No .of Participant	Training Fee /Per participant	Total cost for one batch
1	Industrial Automation	2 Months	25	<u>10000/-</u> 15000/-	250000/- 375000/-

Commercial Offer for Corporate Training

Terms & Conditions:

- Initial One month training will conducted in your premises for rest two months training student will come at our Noida Centre for hands on training of rest topic and interview preparation.
- Placement mode :
- 1- If fee is 10k/Participant : 50% Assured Placement after 3month , Internship Training and rest 50% on 10k Stipend basis, No placement support after 6 Month Training cum internship .
- 2- If fee is 15k/Participant : 50% Assured Placement after 3 month Internship Training +50% on 10k Stipend basis ,Full placement support after 6 Month Training cum internship.
- Sofcon will carry all the related hardware and software, Lab with computer system, projector in your scope.
- Each participant will be provided with reference manual and training documents during the training.
- Every day min 4 to 6 hrs. Training will conduct as per mutual consent.
- Min 7 days prior intimation required with mutual consent
- 30% Training is held at your premises rest 70% training will conduct at our Noida Centre.
- In case In house training -To & fro transportation charges ex Noida, Local Conveyance, Boarding & Lodging of Faculty at your scope.
- Hospitality charges of Faculty in your Scope.

Payment Terms

- 100 % advance along with the Service Order Cheque / DD to be drawn on 'Sofcon India Pvt. Ltd'
 - o Account No: 003105023890
 - IFSC: ICIC0000031

We hope you find this offer favourable and in line with your requirement. For any further questions, comments, or concerns, please feel free to contact us.

Sincerely yours,

Jaya Nitesh Business Development Manager, Sofcon India Pvt.Ltd. Mob: 9910043776, Whats'app 9899864659 Landline :0120-4314699 Email ID – <u>bdm@sofcontraining.com</u>

Colleges/Students Attended our Training		Companies/Reps. Attended our Training		
ABES Enggcoll Ghaziabad	KIET Ghaziabad KN Modi	Alembic Pharma Gujarat	Jaypee Group Rewa	
AdeshInstFaridkot	Modinagar	Arvind Mills Gujarat	KS Oils Ltd Morena	
Arni University HP	LCIT Bhandu	Amul Dairy Gujarat	McCains Foods	
AKG EnggColl Ghaziabad	LD Engg College Ahmedabad	Apollo Tyres	Moser Baer Noida	
Azad Institute Lucknow	LIET Alwar	Bajaj Auto Ltd Rudrapur	MarutiUdyog Ltd	
Bansal Inst of Tech Bhopal	LNCT Bhopal	Birla Copper	MothersonSummi Noida	
BhagwantInstMuzaffarnagar	MaharanaPratapColl Kanpur	Bambino Ltd	Merino Panel Products	
BIET Pilani	MIT Moradabad	BSES Delhi	Nirma Ltd Gujarat	
BIT Meerut	MPCT Gwalior	BhartiyaCuttlerHamer	NDPL Delhi	
BKN Polytechnic Narnaul	NIET Greater Noida	Cipla Ltd	Parle Biscuits Neemrana	
BVMCTM Gwalior	Nirma Institute Gujarat	Century Laminate	Reliance Energy Delhi	
CRRIT Kanjhavla	NRI-IST Group Bhopal	CCIL Ghaziabad	Reliance Industries Shah	
CSE Ambabai Jhansi	Parul Institute Gujarat	Crompton Greaves	Alloys Gujarat	
CU Shah Coll Ahmedabad	PDM Bahadurgarh	DLF Ltd Gurgaon	Shanghi Industries Ltd	
CT Group, Jalandhar	RGEC Meerut	DS Group Noida	Sandesh Press Gujarat	
DAV Jalandhar	RKDF Bhopal	EMA India Ltd	Subros Ltd Noida	
DIT Dehradun	SagarInst of Tech Barabanki	ECE Industries Ltd	Shriram Pistons & Rings	
Galgotia Greater Noida	SIET Meerut	Electrotherm Ltd	Shree Cements Rajasthan	
GL Bajaj Greater Noida	Skyline Inst Greater Noida	GlaxoSmithkline	Samtech India Ltd	
Gyan Ganga Jabalpur	SMEC Neemrana	General Motors	Samsung Electronics	
GNIT Greater Noida	SSITM Aligarh	Hindustan Tin Works Ltd	Schenck Rotec Noida	
GITS Udaipur	Subharti College Meerut	Hotline CPT Ltd MP	Surya Fresh Food Ltd	
Hindustan College Mathura	SVIT Vasad	Gemi Motors Faridabad	Samtel Color Ltd	
Ideal Inst of Tech Ghaziabad	TIT Bhopal	IDMC Ltd Baroda	Thomson Press Faridabad	
IET Alwar	UCER Allahabad	Indraprastha Gas Ltd	Torrent Power Gujarat	
IET MJP Rohilkhand Bareilly	Ujjain Engg College Ujjain	Indfos Industries Ltd	Torrent Pharma Gujarat	
IILM Greater Noida	USIC Srinagar	Jai Beverage Jammu	Ultratech Cements	
IITT College of EnggSirmour	VIET Ghaziabad	JCT Electronics Baroda	Videocon Ltd	
KDKCE Nagpur	Viswakarma GEC Ahmedabad			

Our Prestigious Projects

<u>Clients</u>					
<u>Cement</u>	Chemical	Power	Indogulf Fertilizer		
ACC Gagal	NOCIL	Nestle Moga	Hindalco		
Maihar Cements	Flex Chemicals	SIEL Honda	Reliance Ind. Ltd. Hazira		
TISCO Cements	RANBAXY Laboratories	Hero Honda	Delhi Metro Rail Corp.		
Manikgarh Cement	ICI Katalco	Whirlpool India Ltd.	Glaxo SmithKline		
<u>Automobile</u>	India Glycols Ltd.,	Salora	Grasim Industries Ltd.		
MarutiUdyog Ltd.	Duncan's Industries Ltd.	LG Electronics	Milestone Switchgears		
Ashok Leyland	Polyster Films	ITC	Global Vintage		
LML Ltd.	SRF Limited	Becton & Dickinson	Samsung India		
<u>Steel/Copper/ Alluminium</u>	S .K. Polymers	Kirloskar Toyota	Subros		
TISCO (Wellman)	Water Treatment	N.T.P.C Sonbhadra	Hindustan Times		
Sterlite Industries	IPCL-Gandhar	Hindustan Lever Ltd.	<u>Overseas clients</u>		
Hindalco Industries Ltd	ONGC Gandhar	Eveready	Axion International Russia		
Birla Coppers	IFFCO-Allahabad	Denso	Shree Krishna Oil Nepal		
BALCO	NMDC-Bacheli	Motorola	Paras Industies Colombo		
Hindustan Zinc	Paper / Paper Boards	Bharat Gear	Taiwan Power Corporation		
<u>Food</u>	KhatimaFibres,	BPCL	Home Textiles Bhutan		
NESTLE	Sakshi Enterprises	Sriram Piston & Rings	Reliance Industries Nepal		
Ruchi Health Foods Ltd.	Pharmaceutical	Jaiprakash Hydro Baglihar	Zenon Canada		
GujratAmbuja	RANBAXY Laboratories	Samtel Color Ltd	Flour Mill Muscut		

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Updated SofCon Visit on 9 May 2024

Business Development <bdm@sofcontraining.com> Tue, May 7, 2024 at 12:01 PM To: Dr Rahat U Khan <rahat.khan@kiet.edu> Cc: LALIT KUMAR <lalit.kumar@kiet.edu>, "Dr. Neeraj kr Gupta" <neeraj.gupta@kiet.edu>, Bhagwan Singh

sofcontraining.com>

Dear Sir.

Greetings,

Thanks for the industrial visit confirmation mail. I assure you it will definitely be a very useful trip for your students in terms of knowledge upgradation, Industry exposure and handson session.

On Tue, May 7, 2024 at 11:50 AM Dr Rahat U Khan <rahat.khan@kiet.edu> wrote:



www.kiet.edu

KIET Group of Institutions

Delhi-NCR, Meerut Road (NH-58) Ghaziabad - 201206



Thanks & regards

Dr Rahat Ullah Khan

Faculty of Electrical & Electronics Engineering

Coordinator Institute Industry Interaction Cell

Mob.: +919811210366 +918439825711

E-mail: rahat.khan@kiet.edu



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Regards,

Jaya Nitesh Business Development Manager Sofcon India Pvt.Ltd. B5 Sec 2 Noida Near Sec15 Metro Station U.P-201301 Mob; 9910043776 , 9899864659 Landline :0120-4314699 Email ID - bdm@sofcontraining.com Website: https://www.sofcontraining.com Facebook: https://www.facebook.com/sofcontraining.india Twitter: https://twitter.com/TrainingSofcon Google+: https://plus.google.com/u/0/+SofconIndiaPvtLtd1 YouTube: https://www.youtube.com/c/SofconIndiaPvtLtd1 LEGAL DISCLAIMER

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Internship at Sofcon Pvt Ltd

Dr YADUVIR SINGH <yaduvir.singh@kiet.edu> To: "Dr. Neeraj kr Gupta" <neeraj.gupta@kiet.edu> Tue, Dec 24, 2024 at 10:18 AM

Warm Regards



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KIET Group of Institutions

Delhi-NCR, Meerut Road Ghaziabad - 201206



Dr. YADUVIR SINGH

Professor & Additional HoD

Department of Electrical & Electronics Engineering

B.E. (NIT, KKR), M. Tech, Ph.D.(IIT - ISM, Dhanbad)

Mob.: +91 9899319491, +91 9873394917

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----- Forwarded message ------From: Business Development <bdm@sofcontraining.com> Date: Thu, Aug 22, 2024 at 4:03 PM Subject: Re: Internship at Sofcon Pvt Ltd To: Dr Rahat U Khan <rahat.khan@kiet.edu> Cc: <aalia.2327en1002@kiet.edu>, <abhay.2327en1021@kiet.edu>, <abhi.2327en1049@kiet.edu>, <abhinav.2327en1068@kiet.edu>, <abhishek.2327en1072@kiet.edu>, <adarsh.2327en1012@kiet.edu>, <aditya.2327en1058@kiet.edu>, <aditya.2327en1013@kiet.edu>, <agrima.2327en1014@kiet.edu>, <ajay.2327en1031@kiet.edu>, <akshi.2327en1007@kiet.edu>, <aman.2327en1099@kiet.edu>, <amar.2327ec1042@kiet.edu>, <anand.2327en1050@kiet.edu>, <anirudh.2327en1093@kiet.edu>, <anjali.2327en1087@kiet.edu>, <anmol.2327en1090@kiet.edu>, <anurag.2327en1052@kiet.edu>, <arindam.2327en1064@kiet.edu>, <arush.2327en1079@kiet.edu>, <arya.2327en1015@kiet.edu>, <asad.2327en1016@kiet.edu>, <ashar.2327en1077@kiet.edu>, <ashish.2327en1054@kiet.edu>, <avi.2327en1017@kiet.edu>, <ayushi.2327en1084@kiet.edu>, <deeksha.2327en1009@kiet.edu>, <deepanshu.2327en1028@kiet.edu>, <devesh.2327en1082@kiet.edu>, <diksha.2327en1025@kiet.edu>, <gaurav.2327en1076@kiet.edu>, <harsh.2327en1047@kiet.edu>, <harshit.2327en1022@kiet.edu>, <hemant.2327en1055@kiet.edu>, <himanshu.2327en1063@kiet.edu>, <jayant.2327en1081@kiet.edu>, <kamakhya.2327en1040@kiet.edu>, <kanak.2327en1092@kiet.edu>, <kartik.2327en1057@kiet.edu>, <kshitij.2327en1039@kiet.edu>, <kshitij.2327en1078@kiet.edu>, <kulwant.2327en1011@kiet.edu>, <kush.2327en1095@kiet.edu>, <kushagra.2327en1069@kiet.edu>, <lakshay.2327en1085@kiet.edu>, <madhur.2327en1091@kiet.edu>, <malvika.2327en1053@kiet.edu>, <mansi.2327en1004@kiet.edu>, <mayank.2327en1080@kiet.edu>, <mayank.2327en1083@kiet.edu>, <md.2327en1066@kiet.edu>, <mohd.2327en1043@kiet.edu>, <mohit.2327en1027@kiet.edu>, <naysha.2327en1029@kiet.edu>, <neha.2327en1059@kiet.edu>, <nikunj.2327en1100@kiet.edu>, <nipun.2327en1062@kiet.edu>, <nishant.2327en1038@kiet.edu>, cpiyush.2327en1089@kiet.edu>, cpiyush.2327en1006@kiet.edu>,

spriyanshu.2327en1003@kiet.edu>, spriyanshu.2327ec1090@kiet.edu>, spriyanshu.2327en1037@kiet.edu>, <rrachit.2327en1060@kiet.edu>, <rrachit.2327en1060@kiet.edu>, <rrachit.2327en1040@kiet.edu>, <rrachit.2327en1040@kiet.edu>, <sachin.2327en1067@kiet.edu>, <sagar.2327en1046@kiet.edu>, sahajdeep.2327en1034@kiet.edu>, <sachin.2327en1094@kiet.edu>, <sagar.2327en1071@kiet.edu>, <sahajdeep.2327en1032@kiet.edu>, <sathyam.2327en1045@kiet.edu>, <saransh.2327en1071@kiet.edu>, <sarvesh.2327en1032@kiet.edu>, <sathyam.2327en1045@kiet.edu>, <satvik.2327en1097@kiet.edu>, <sathyam.2327en1048@kiet.edu>, <satvik.2327en1020@kiet.edu>, <satvik.2327en1035@kiet.edu>, <shivansh.2327en1048@kiet.edu>, <shivansh.2327en106@kiet.edu>, <shivansh.2327en1001@kiet.edu>, <ukarsh.2327en106@kiet.edu>, <ukarsh.2327en1006@kiet.edu>, <ukarsh.2327en1001@kiet.edu>, <ukarsh.2327en1008@kiet.edu>, <vansh.2327en1006@kiet.edu>, <vansh.2327en1007@kiet.edu>, <vansh.2327en1005@kiet.edu>, Dr. Neeraj kr

Ok, Sir, I will there on time

On Thu, Aug 22, 2024, 2:27 PM Dr Rahat U Khan <rahat.khan@kiet.edu> wrote:

Dear Students,

Greetings,

As per previous discussions we have planned an Internship of EEE Students in association with **Sofcon Pvt Ltd.** In view of the above it has been decided to hold a meeting with company officials/ trainers on tomorrow, 23 Aug 2024, in the Department of **Electrical & Electronics Engineering**, in **MCH**, **Second Floor**, sharp at **1:45 PM**. Kindly be there on time.

Thanking you



www.kiet.edu

KIET Group of Institutions

Delhi-NCR, Meerut Road (NH-58) Ghaziabad - 201206



Dr Rahat Ullah Khan

Faculty of Electrical & Electronics Engineering

Coordinator Institute Industry Interaction Cell

Mob.: +91-9811210366 +91-8439825711

E-mail: rahat.khan@kiet.edu

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