2018-19

3.5.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year.

S.No	Name of the Organisation	No. of Activities	Nature of Activity
1.	COCUBES	01	Internship
2.	DBSON	01	Training
3.	E-Vital Heavy Engineering	01	Research Project
4.	GEEKL TECHNOLOGIES	01	Training
5.	Institute For Engineering Research & Publication	01	Research Project
6.	Ischool connect.Inc	01	Internship
7.	JET SPIN	01	Research Project
8.	LORA Alliance	01	Training
9.	Eagle Photonics	01	Research Project
10.	QStatix	01	Training
11.	R K Automation	01	Training
12.	Rapidue Technologies	01	Research Project
13.	SMEC Automation	01	Training
14.	Bharat Heavy Electricals Limited	01	Training
15.	Central Institute of Tool Design	03	Research Project
16.	Defence Metallurgical Research Laboratory	01	Training
17.	Defence Research Development Laboratory	04	Research Project
18.	Defence Research Development Organization	05	Research Project
19.	Electronics Corporation of India Limited	07	Research Project
20.	Greater Hyderabad Municipal Corporation	01	Internship
21.	National Thermal Power Corporation	02	Research Project
22.	South Central Railway	06	Research Project
23.	Telengana Government Power Generation Corporation Limited	05	Research Project
24.	Central Institute of Plastics Engineering & Technology	03	Research Project
	Total Activities	**51**	

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY
Mangalpally(V), Ibrahimpatnam, R. R. District E1

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

BHARAT INSTITUTE OF ENGINEERING & TECHNOLOGY, MANGALPALLY, HYD

07/06/2019

To,

The Chairman & Secretary,
BIET.

Respected Sir,

Sub: **COCUBES** Assessment.

As directed by your good office, we have contacted **COCUBES INDIA PVT LTD** for conducting **Assessment Tests to our II, III & IV year students of all the branches** for the purpose of identifying **training needs for Placements**.

We are glad to inform that they have acceded to our request to administer their Online Assessment Tests for the students of the **Academic year (2019-20) for Rs. 6,000.000(Six Lakhs Only inclusive of 18% GST) covering II, II & IV year of all branches.** Once the payment is made, they would be sharing the schedule for **Diagnostic and pre-Assessment Tests**.

In this regard, attached please find the MOU to be signed by you Sir.

Please accord your approval Sir.

Enclose agreement copy for Acc reference

(S. Mahesshwar Raw)
AO
Placements Cell

Received on 21/06/2019 Time 10.50pm
B.V.S.N. MURTY
ACCTS. MGR

Scanned by CamScanner

CoCubes
An Aon Company

AON
Empower Results®

CoCubes Agreement

This document is regarding partnership with **Bharat Institute of Engineering & Technology** ("Client") of CoCubes Technologies Pvt. Ltd., an Aon Company ("**CoCubes**"), for availing the Services defined hereinafter. We are bringing on record the following terms of our engagement.

COMMERCIAL TERMS FOR AGREEMENT

Scope of Services and Project Plan & Fees –

Batch	Product	Test Details	Investment by Institute
2020	7 Diagnostic Career Test(DCT) + 2 PRE-ASSESS	DCT : QAT, ART, EUT, Domain, Coding, WET, EAT	INR 6,00,000 all inclusive(GST = 18%)
2021	Continuous Evaluation Program(CEP)	CEP : QAT, ART, EUT, EAT, Domain, Coding	
2022	Continuous Evaluation Program(CEP)	CEP : QAT, ART, EUT, EAT, Domain, Coding	

***Per Batch count of students will be 500**

LEGAL TERMS FOR AGREEMENT WITH INSTITUTES

(a) This Agreement shall be on a "principal to principal" basis.

(b) This Agreement shall, from **06th June, 2019** (the "**Effective Date**") continue for a period of Two (1) year ("**Term**"), unless terminated earlier.

(c) The Services of CoCubes, an Aon Company, shall be provided on a non-exclusive basis to the Institute.

I. CoCubes shall provide access to its Platform to the Institute and the Students, provided that the use of the Platform shall be subject to its Terms and Conditions at https://static.cocubes.com/document/reg_tc.html, which shall prevail in all matters related to access and use of the Platform.

II. All data related to Students shall be authenticated and provided by the Institute in a predefined format. CoCubes does not conduct any background checks on the Students or verify the contents of their resume/curriculum vitae and hence does not warrant the authenticity of any Student data on the Platform.

III. CoCubes shall not be responsible for any loss of opportunity for those Students whose data is incomplete or inaccurate. CoCubes will not be held liable for any deviation, non-delivery or delay in provision of Services under this Agreement nor will CoCubes be deemed to be in breach of its obligations hereunder due to external factors beyond CoCubes's control.

BHARAT INSTITUTE OF ENGEERING AND TECHNOLOGY
Mangalpally(V), Ibhrahipatnam, R. R. District
E1

1 of 6

(d) CoCubes reserves the right to suspend performance of the Services, if the Institute fails to pay any due fees.

(e) The Institute shall promptly notify in writing its acceptance to CoCubes, within one week of completion of Services by CoCubes. In case no such notification is received within one week, it shall be presumed that the Services rendered are accepted by the Institute.

(f) Either party may terminate the Agreement by prior written notice of 30 days to the other Party. Termination of this Agreement shall not affect the rights and obligations of the Parties accrued prior to the effective date of termination including payment of undisputed fees. Upon termination of this Agreement, each party shall return or destroy all Confidential Information as directed by the other party. Upon termination:

I. CoCubes will stop providing its Services and access to its Platform to the Institute and its Students forthwith.

II. In the event of termination of this Agreement after a period of one (1) month by the Institute for any reason whatsoever, CoCubes shall not be liable to refund the Fees back to the Institute.

(g) **Payment terms :** 100% advance before start of delivery.

(h) Each Party agrees to indemnify the other Party for such claims, suits, losses and damages, including settlement costs (collectively Liabilities) being suffered by the aggrieved Party as a direct consequence of breach of its confidentiality and intellectual property related obligations under this Agreement. The Institute agrees to indemnify CoCubes from and against any Liability arising out of (i) misuse of the Platform by the Students or the Institute (ii) any Student related information provided to CoCubes being incorrect, false or misleading.

(i) Neither Party will be liable for any indirect, incidental, special or consequential damages, including the loss of profits, revenue, data, incurred by either Party, whether in an action in contract, tort, based on a warranty or otherwise, even if the other Party has been advised of the possibility of such damages. CoCubes's liability for damages under this Agreement will not exceed the amounts actually paid by the Institute to CoCubes or actual damage, whichever is less.

(j) Neither Party is restricted from assigning this Agreement or its rights or obligations to its affiliate/subsidiary or CoCubes subcontracting the whole / part of the Services to any contractor of its choice, provided that such subcontracting shall not relieve CoCubes from its obligations to the Institute under this Agreement. The assignment to CoCubes' Affiliates to perform the Services shall not be regarded as subcontracting.

(k) **Confidentiality**

I. For the purposes of this Agreement, "Confidential Information" includes:

(i) terms of this Agreement;

(ii) Institute Information;

(iii) CoCubes Information. Each Party's respective Confidential Information will remain its sole and exclusive property.

BHARATH INSTITUTE OF ENGINEERING AND TECHNOLOGY
Mangalpally (V), Ibrahimpatnam, R. R. District
E1

CoCubes
An Aon Company

AON
Empower Results®

II. The Receiving party shall

(i) not use the Confidential Information for any purpose except as expressly contemplated under this Agreement, except that CoCubes may use the Institute's Information in combination with other data for statistical or analytical purposes provided that no such Institute Information is identifiable by the Institute

(ii) not disclose the Disclosing Party's Confidential Information to a third party without prior written consent and may only disclose the Confidential Information to those of its employees on a need to know basis (and in case of CoCubes , any affiliate or third party service provider providing back office/IT support) ("**Personnel**" collectively), however, either Party may disclose the other Party's Confidential Information to its legal counsel and auditors. CoCubes may also disclose the Institute's Information to any subcontractor as reasonably necessary for such subcontractor to perform its services in connection with this Agreement, provided that such subcontractor is subject to a confidentiality agreement

(iii) immediately notify the Disclosing Party of any suspected or actual unauthorized use, copying or disclosure of the Confidential Information. CoCubes shall maintain the confidentiality of such information during the term of this Agreement and for a period of three years from the date of expiry or termination of the Agreement or until any part of the Confidential Information enters the public domain or such Confidential Information is destroyed/ returned to the Disclosing Party on written instruction. For the avoidance of doubt, CoCubes shall not be required to destroy electronic records which are automatically backed up to a backup or recovery system in the ordinary course of business for disaster recovery purposes. CoCubes will retain an archival copy of the Confidential Information for the purpose of determining the scope of obligations incurred under this Agreement.

III. The obligations under clause k (II) shall not apply to confidential information which

(i) is or becomes generally available or known to the public through no fault of the Receiving Party;

(ii) was already known by or available to the Receiving Party prior to disclosure by the Disclosing Party;

(iii) is subsequently disclosed to the Receiving Party by a third party who is not under any obligation of confidentiality to the Disclosing Party;

(iv) is required by law to be disclosed as part of a judicial process, government investigation, legal proceeding, or other similar process; or

(v) has already been or is hereafter independently acquired or developed by the Receiving Party without violating any confidentiality agreement with or other obligation to the Disclosing Party.

IV. The parties shall comply at all times with all applicable laws including those relating to personal data protection. The Institute agrees that CoCubes may transfer Institute data, physically or electronically, to its personnel and affiliates in India or overseas in connection with the performance of this Agreement.

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY
Mangalpally(V),
Ibrahipatanam,
R. R. District
E1

276

V. The Institute acknowledges that CoCubes may be required to mention its indicative list of Institutes in its proposals, marketing materials, brochures and/ or similar documents and agrees that it has no objection to making a reference to the Institute's name in the aforesaid documents

(I) **Intellectual Property**

I. "Institute Information" is defined as all non-public information data (in whatever form or media) provided to CoCubes under this Agreement by or on behalf of the Institute. The Institute represents that use of Institute Information contemplated herein will not infringe the privacy and/ or intellectual property rights of any third party. Institute Information will remain the property of the Institute.

II. Cocubes retains all proprietary rights, title and interest in " CoCubes Information", which includes, but is not limited to: websites or web based applications through which it may perform the Services and make related information and/or content available to the Institute including software and software systems used in the operation of the CoCubes website, the CoCubes Online Platform (www.cocubes.com), user interfaces and screen designs; general purpose consulting and software tools; presentations including CoCubes' templates, standard proposals and materials and derivatives thereof; all algorithms, apparatus, components, circuit designs and assemblies, concepts, trade secrets, data (including clinical data), databases, designs, diagrams, documentation, drawings, flow charts, formulae, ideas, inventions (whether or not patentable or reduced to practice), marks (including brand and product names, logos, slogans, domain names), know-how, marketing and development plans, methods, models, procedures, processes, protocols, schematics, software codes (in any form including source code and executable or object code), specifications, subroutines, techniques, tools, works of authorship and other forms of technology, generalized practices, techniques, business information, regardless of whether developed in connection with the Services or engagements with other CoCubes Institutes.

III. To the extent that CoCubes utilizes any CoCubes Information, in connection with the performance of Services, such CoCubes Information shall remain the property of CoCubes. Nothing in this Agreement shall be construed to grant the Institute any rights in CoCubes Information, other than the limited license to use the Platform for access to the Services as specified hereunder.

IV. CoCubes grants to the Institute a non-exclusive, non-sub-licensable, non-transferable license to use the CoCubes Information solely for the Institute's internal use. To the extent such license covers CoCubes Software, such license shall terminate and expire upon the termination or expiration of the applicable SOW or, if no SOW applies, upon the termination of CoCubes's provision of Services related to such CoCubes Software.

V. The Institute acknowledges that CoCubes may be required to mention its indicative list of clients in its proposals, marketing materials, brochures and/ or similar documents and agrees that it has no objection to CoCubes making a reference to the Institute's name and usage of logo in the aforesaid documents. Provided, however, that any usage of trademark or service mark (other

BHARAT INSTITUTE OF ENGINEERING & TECHNOLOGY
Mangalpally(V), Ibrahimpatanam, R. R. District

than its name) by CoCubes in any such document shall be with the Institute 's prior written consent.

VI. Student data is the nonexclusive property of the Institute and CoCubes. The analysis generated from such Student data so accumulated belongs to CoCubes. CoCubes shall have the right to permit its Institutes to use the processed Student data as part of the CoCubes service offerings to its Institutes. CoCubes shall use the Student data for displaying it on the Platform for online career development activities, which are a part of the Services provided by CoCubes to the Institute. "Students" shall mean students studying at the Institute, who have consented to their enrolment to avail the Services and who will be provided access to the Platform.

VII. The Institute shall not, with respect to CoCubes Information (i) create derivative works or translations (ii) transfer, distribute, lease, market, sublicense or otherwise grant rights in whole or in part to any third party; (iii) obfuscate, remove or alter any of the internet links or copyright or other proprietary legends (iv) reverse engineer, decompile or disassemble CoCubes Software or any part thereof or otherwise obtain or attempt to obtain the source code for CoCubes Software.

(m) **Force Majeure** - Neither Party will be liable to the other for its failure to perform any obligations under this Agreement where such performance is rendered impossible due to circumstances beyond its reasonable control, including acts of God, floods, acts of terrorism, riots or other hostilities, pandemics, government or legislative actions, technological outages and similar occurrences, provided that the Party experiencing the delay promptly notifies the other party and takes reasonably necessary steps to resume full performance as soon as possible. If the Force Majeure Event/s continue(s) to subsist for a continuous period of 30 days, the other Party may terminate the Agreement by giving notice in writing.

(n) This Agreement will be governed by the laws of India. Each Party agrees to submit itself to the exclusive jurisdiction of the courts of New Delhi. Disputes arising under this Agreement shall be governed by the Indian Arbitration and Conciliation Act 1996. The Tribunal shall consist of a sole arbitrator appointed by mutual consent of both the Parties. The language of the arbitration shall be English. The seat of arbitration shall be New Delhi. The fees of arbitration will be borne by the Party as directed in the arbitration award.

(o) No person employed by either party for the performance of its obligations under this Agreement shall be deemed to be an employee of the other party.

(p) During the Term and for a period of twelve (12) months thereafter, neither party shall, directly or indirectly, solicit for employment or employ, or accept services provided by, any employee, officer or independent contractor of the other party who performed any work in connection with or related to the Services.

(q) This Agreement (i) embodies the final understanding between the Parties with respect to its subject matter; (ii) supersedes all previous oral or written agreements or arrangements between the Parties; (iii) may be signed in counterparts, each of which will be deemed an original; (iv) may only be amended in writing signed by an authorized officer of each Party. The Parties agree that any pre-printed terms on any transactional or other document used in connection herewith are per se null and void. Should any provision of this Agreement be held invalid or unenforceable, such invalidity will not invalidate the whole of this Agreement, but rather the remainder of this Agreement will remain in full force. Waiver by either Party of a breach of any provision of this Agreement by the other Party will not operate or be construed as a waiver of any subsequent, similar breaches by the breaching Party.

BHARATH INSTITUTE OF ENGEERING AND TECHNOLOGY
Mangalpally(V), Ibrahimpatnam, R. R. District
E1

CoCubes
An Aon Company

AON
Empower Results®

(r) All notices under this Agreement will be in writing and deemed effectively delivered upon receipt by personal delivery, reputed courier service or registered mail at the address provided by the Parties and as confirmed by delivery receipt.

Additional points

1. **Payment Terms**
   a.) If the Institute fails to make the payment, assuming the log-ins of the student and/or Institute are active, the Platform will auto lock all the log-ins provided to (all across batches) the Students and the Institute. This may lead to loss of opportunities for Students for which CoCubes will not be responsible.
2. **Disclaimers**
   a.) It has to be noted that the fees charged by CoCubes is towards the annual subscription of the technology for career development offerings; the fee is not towards creating employment opportunity of any specific company. As a principle and business model, CoCubes does not charge fee in the name of any specific company.

On Behalf of CoCubes

Name: Vinay Singh
Designation: Regional Lead - Institutions (AP-TS)
CoCubes.com

On Behalf of Institute

Name:
Designation:
Institute Name:

BHARAT INSTITUTE OF ENGEERING AND TECHNOLOGY
Mangalpally(V), Ibrahimpatnam,
R. R. District
E1

Received copy of MOU in original
K. Uday Kiran
Associate - Institutions.

696

COCUBES
Online IDs were created by Cocubes and assessment test was conducted for students

Online IDs were created by Cocubes

Introduction

Cocubes is a widely used online assessment platform that provides recruitment and evaluation services for various organizations. The platform facilitates companies in conducting internship drives to evaluate candidates' skills and knowledge across multiple domains. The internship drive conducted by Cocubes serves as an important part of the hiring process for many companies, as it helps employers filter out candidates with the necessary skill sets.

This report focuses on the internship drive conducted by Cocubes, outlining its structure, features, and overall impact on the recruitment process.

Objective

The primary objective of the internship drive conducted by Cocubes is to assess the technical and non-technical skills of candidates applying for different roles across industries. The test allows companies to evaluate candidates' performance in real-time and make informed decisions based on their capabilities. Additionally, it helps candidates showcase their knowledge and skills in a fair and standardized manner.

Test Structure

The internship drive conducted by Cocubes typically consists of multiple sections designed to evaluate different competencies. These sections vary depending on the type of role and the company conducting the assessment. However, some common sections include:

1. **Aptitude and Reasoning**
   This section includes questions that test the logical thinking, analytical abilities, and problem-solving skills of the candidates. Topics like number series, data interpretation, coding and decoding, and puzzles are commonly covered.

2. **Technical Section**
   For technical roles, the test often includes questions on programming, algorithms, data structures, and subject-specific topics like computer science, electronics, mechanical engineering, etc. This section assesses the candidate's knowledge in the technical domain related to the job.
3. **Verbal Ability**
   The verbal ability section evaluates the candidate's command over the English language. It typically includes questions on grammar, vocabulary, reading comprehension, sentence correction, and verbal reasoning.
4. **Domain-Specific Questions**
   Depending on the job profile, candidates may face domain-specific questions. For example, if the job requires knowledge of software engineering, the test might include questions related to programming languages like Java, Python, or C++.
5. **Personality/Behavioral Assessment**
   Some companies may include a section that assesses the candidate's personality traits, communication skills, and cultural fit within the organization. This could be in the form of situational judgment tests or psychometric evaluations.

Features of the Cocubes Internship drive

1. **Remote Access**
   One of the key features of the Cocubes internship drive is its ability to be accessed remotely. Candidates can take the test from any location with an internet connection, making it convenient and accessible.
2. **Real-Time Evaluation**
   Cocubes provides instant results after the completion of the test. This allows both employers and candidates to know the outcome quickly. It also provides detailed insights into the candidate's performance, including strengths and areas for improvement.
3. **Secure and Transparent**
   The online platform ensures the integrity and security of the testing process. Cocubes uses technologies like remote proctoring, webcam monitoring, and screen recording to prevent cheating and ensure that candidates are taking the test in a secure environment.
4. **Customizable Test Patterns**
   Companies can tailor the internship drive based on their specific requirements. They can choose the types of questions, set the difficulty level, and even decide on the time limits for different sections.
5. **Reports and Analytics**
   Cocubes provides comprehensive reports and analytics to the companies, which helps them in making data-driven decisions. These reports include metrics like time taken for each section, accuracy, and overall score, which allows employers to gauge the performance of candidates.
6. **User-Friendly Interface**
   The platform is designed to be user-friendly for both candidates and recruiters. It offers an intuitive interface for easy navigation, with clear instructions for each section of the test.

Advantages of the Cocubes Internship drive

1. **Cost-Effective**
   Conducting online assessments reduces the need for physical venues and logistical arrangements, saving both time and money for the organization.
2. **Wider Reach**
   As the test can be taken remotely, organizations can reach a larger pool of candidates from diverse geographical locations, making it easier to recruit talent from anywhere in the world.
3. **Time-Saving**
   Since the test is conducted online, the recruitment process becomes faster. The results are available immediately, which helps in speeding up the overall selection process.
4. **Standardization**
   Internship drives help in ensuring that all candidates are evaluated under the same conditions, leading to a fairer and more objective assessment process.
5. **Automation of Screening**
   Automated screening reduces human biases and errors. Recruiters can quickly filter out candidates based on their scores and make the process more efficient.

Challenges

1. **Technical Issues**
   While Cocubes provides a robust platform, there can still be technical challenges like connectivity issues, software glitches, or device incompatibility, which may affect the test-taking experience.
2. **Limited Interactivity**
   Unlike in-person interviews, the internship drive lacks direct interaction between the candidate and the recruiter. This makes it difficult to gauge certain soft skills or non-verbal cues.
3. **Cheating Concerns**
   Despite the use of proctoring tools, there is always the potential for candidates to find ways to cheat. While Cocubes employs security measures, the effectiveness of remote proctoring can be questioned in some cases.

Conclusion

The internship drive conducted by Cocubes offers a highly efficient, cost-effective, and secure way for companies to assess candidates' skills and knowledge. Its wide range of customizable features makes it suitable for various industries and job profiles. The platform has revolutionized the recruitment process by providing a standardized method for evaluating candidates and ensuring fair play.

Despite the few challenges, such as technical issues or cheating concerns, Cocubes continues to play a pivotal role in the hiring process for many organizations. As technology evolves, we

can expect Cocubes to enhance its features and further streamline the recruitment process for both candidates and employers.

Overall, Cocubes' internship drive system provides valuable insights and helps companies find the right talent while allowing candidates to showcase their skills in a convenient and accessible manner.

తెలంగాణ तेलंगाना TELANGANA

Sadhana L 436075

SL.No 6156 Date 7.10.18 Rs.50/-
Sold to: D. RAJU
S/o,W/o. D. VENKAIAH R/o. HYD
For Whom. Bharat Institute of Engineering & Technology.

B.SADHANA
Licensed Stamp Vender
Ren.No.16-02-073 of 2017
Lic.No. 16-02-073of 2011 Shop No.2-1-73/C
Nallakunta, Hyd -500044 (M) 9848686023

BHARAT INSTITUTIONS

dbson

MEMORANDUM OF UNDERSTANDING

Between

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY, Mangalpally (V), Ibrahimpatnam (M), Ranga Reddy (D), Hyderabad, Telangana State, INDIA, Pin Code - 501510

And

M/S UNIVERSAL POWER CONTROLS (DBSON), Plot No.22, Sathyamangala Industrial Area, Tumkur, Karnataka, INDIA, Pin Code – 572104

This MEMORANDUM OF UNDERSTANDING (hereinafter referred to as "MOU") is made on this Seventh Oct 2018 entered into between the **BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY**, Mangalpally (V), Ibrahimpatnam (M), Ranga Reddy (D), Hyderabad, Telangana State, India (hereinafter referred to as "College"), and **M/S UNIVERSAL POWER CONTROLS (DBSON)**, Plot No.22, Sathyamangala Industrial Area, Tumkur, Karnataka, INDIA, Pin Code - 572104 (hereafter "UPC").

Mangalpally(V) Ibrahimpatnam(M) R.R.District

UNIVERSAL POWER CONTROLS (DBSON)

The Department of Electrical and Electronics Engineering, Bharat Institute of Engineering and Technology, Hyderabad and Karnataka leading company UNIVERSAL POWER CONTROLS (DBSON), Tumkur, Karnataka, organized Hands-on Training on "Electrical Switchgear and its Applications to bridge the gap between college and industry and thereby enhancing the employability of emerging workforce.

Two days Hands-on Workshop on "Electrical Switchgear and its Applications"

Objective: The primary objective of this project was to educate participants on the significance of **Electrical Switchgear** in industrial and commercial power systems. The project focused on providing a comprehensive understanding of the design, working, and applications of switchgear, along with practical demonstrations and real-world case studies.

1. Introduction to Electrical Switchgear

The project began with an introductory session on **Electrical Switchgear**, which is an essential component of power distribution systems. Electrical switchgear is used to protect, control, and isolate electrical equipment to ensure the safety and stability of power systems.

Key topics discussed included:

- **Definition**: Switchgear is a combination of electrical disconnect switches, fuses, circuit breakers, and relays used to control, protect, and isolate electrical circuits.
- **Importance**: It plays a crucial role in preventing faults and ensuring the efficient functioning of power systems.
- **Types of Switchgear**: The session highlighted the various types of switchgear, including:
  - **Low Voltage Switchgear (LV)**
  - **Medium Voltage Switchgear (MV)**
  - **High Voltage Switchgear (HV)**

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

2. Components of Electrical Switchgear

The second part of the project focused on the **components** of electrical switchgear. The components vary based on the type of switchgear and its application, but the key elements typically include:

- **Circuit Breakers**: Devices used to protect electrical circuits from overcurrent or short circuits. The participants were introduced to both **automatic** and **manual** circuit breakers and their operational mechanisms.
- **Disconnect Switches**: These are used to isolate electrical equipment for maintenance or emergency purposes, ensuring safety during the process.
- **Fuses**: A protective device that automatically disconnects the circuit in case of overload or fault.
- **Relays**: Used to detect abnormal conditions and trigger the operation of other protection devices, such as circuit breakers.
- **Busbars**: Conductors that distribute electricity to different parts of a system, ensuring efficient power distribution.

3. Working Principles of Switchgear

The project further explained the **working principles** behind electrical switchgear. The operation of switchgear is crucial for the safety, control, and distribution of electrical energy. Key topics included:

- **Arc Interruption**: One of the most important functions of switchgear is to interrupt arcs during the opening of a circuit. Participants were shown how arc chambers are used to contain and extinguish the arc, ensuring safe operation.
- **Current Limiting**: Switchgear protects circuits by limiting the current in the event of a fault, thereby preventing damage to equipment.
- **Fault Detection and Isolation**: When a fault occurs, switchgear detects it and isolates the faulty section, allowing the rest of the system to continue operating normally.

4. Applications of Electrical Switchgear

The project also provided insight into the **applications of electrical switchgear** across various industries. The key sectors where switchgear is widely used include:

a) Power Generation and Distribution

- Switchgear is critical in power plants for controlling the electrical flow and ensuring that power is distributed efficiently and safely. It helps in protecting generators, transformers, and other equipment from faults and overloads.

Mangalpally(V), Ibrahimpatnam, R R District

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

b) Industrial Applications

- In industrial plants, switchgear is used for controlling motors, lighting systems, and other essential machinery. It is also essential in substations to ensure smooth and secure power distribution.

c) Commercial Buildings

- Switchgear is used in commercial buildings to manage and protect the electrical systems, including lighting, HVAC systems, and elevators. This ensures that electrical equipment operates within safe limits.

d) Renewable Energy Systems

- Switchgear plays a role in renewable energy systems, including solar and wind power plants. It protects the system from faults and helps in the safe distribution of generated power to the grid.

e) Transportation

- In transportation systems such as metro rail, airports, and electric vehicles, switchgear is used for safe power management and distribution.

5. Hands-On Demonstration and Practical Exposure

The core of the project was the **hands-on demonstration** conducted by the experts at Universal Power Controls (DBSON). The demonstration provided participants with practical exposure to electrical switchgear components and systems. Some of the key activities included:

- **Installation and Operation**: Participants were shown how to install and operate electrical switchgear in real-life setups. This included configuring circuit breakers, disconnect switches, and relays to ensure the safety of electrical systems.
- **Simulation of Fault Conditions**: The team simulated various fault scenarios (e.g., overload, short circuit) and demonstrated how the switchgear system responds to such conditions by automatically disconnecting the affected circuit.
- **Maintenance and Troubleshooting**: The importance of routine maintenance and troubleshooting techniques was emphasized. Participants learned how to inspect switchgear systems for wear and tear and identify any operational issues.
- **Safety Protocols**: The session focused heavily on the **safety** aspects of working with switchgear, including lockout-tagout procedures, personal protective equipment (PPE), and emergency response protocols.

6. Key Insights and Takeaways

a) Safety is Paramount

- The most important lesson from the project was the emphasis on **safety**. Electrical switchgear is essential for protecting both equipment and personnel from electrical faults, and it must be designed and maintained to the highest standards.

b) Modern Switchgear Technology

- Participants were introduced to modern advancements in switchgear technology, such as **digital protection systems** and **smart switchgear** that offer enhanced control, monitoring, and automation features. These advancements contribute to improved system reliability and efficiency.

c) Integration of Switchgear with Other Systems

- Switchgear must be integrated with other components of the power system, including transformers, motors, and control panels. Participants learned how seamless integration enhances the overall functionality and performance of the electrical network.

d) Role of Switchgear in Sustainability

- The project highlighted how electrical switchgear contributes to energy efficiency and sustainability, particularly in renewable energy applications. Proper management of electrical power ensures the reduction of energy losses and optimizes the use of resources.

7. Conclusion

The project on **Electrical Switchgear and Its Applications** by **Universal Power Controls (DBSON)** provided participants with valuable insights into the role of switchgear in modern power systems. The combination of theoretical learning and hands-on demonstrations allowed participants to grasp the significance of electrical switchgear in protecting, controlling, and isolating electrical systems.

The project also demonstrated the importance of switchgear in ensuring the safety and reliability of power systems across various industries, from power generation to renewable energy and industrial automation.

Overall, the project was a success, equipping participants with essential knowledge and practical skills in electrical switchgear, which will be beneficial for their future careers in electrical engineering and industrial automation.

भारतीय गैर न्यायिक

भारत

बीस रुपये

Rs.20

रु.20

TWENTY RUPEES

INDIA

INDIA NON JUDICIAL

తెలంగాణ तेलंगाना TELANGANA

SL No 28597 08/Jan/19

Sold to A. Shiva Kumar S/O

For whom Self

26AA 192550

B.GOWRI LAXMI

Licensed Stamp Vendor

License No:15-03-039/2012,

Renewal No:15-03-046/2018,

H.No:3-5,Ibrahimpatan(V&M),

Ranga Reddy Dist, T.S,-501 506

Cell:9603878304.

The Memorandum of Understanding (hereinafter called as the 'MoU') is entered into on this the 18.01.2019

BETWEEN

Bharat Institute of Engineering and Technology, Mangalpally, Ibrahimpatnam, R.R. District, Hyderabad, Telangana **the First Party** represented herein by **Dr.A.Sivakami**, Assistant Professor, Department of Physics (hereinafter referred as '**First Party**', the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors-in-office, administrators and assigns).

AND

Dr.A.SIVAKAMI

Authorized Signatory

Bharat Institute of Engineering and Technology

BHARAT INSTITUTE OF ENGEERING AND TECHNOLOGY Mangalpally(V) Ibrahimpatnam, R. R. District E1

Authorized Signatory

Eagle Photonics

EAGLE PHOTONICS PVT. LTD. Mumbai-71

Eagle Photonics
The project based program for 1st year students was visited to Center for Environment and Development (CED), Hyderabad for ECE, MECH and CIVIL students, as a part of their curriculum, by Department of Physics.

Industrial visit to CED

Objective: The primary objective of the session was to engage participants in an interactive discussion about the vital role of **environmental development** in today's world. The session focused on how technology, particularly **photonics**, can be leveraged for environmental protection, sustainable development, and tackling global challenges such as climate change and resource depletion.

2. Session Overview

The **Interactive Project Session on the Center for Environment and Development** was organized by **Eagle Photonics** to bridge the gap between technological advancements and environmental conservation. The session provided insights into how **photonic technologies** are being used in the context of **environmental monitoring, energy efficiency**, and **sustainable development**. Participants were encouraged to explore how these technologies can be applied in real-world scenarios to solve critical environmental challenges.

The session also offered a platform for participants to discuss ideas, share experiences, and propose potential solutions for pressing environmental issues.

Key Areas of Focus:

- Role of **photonics** in environmental monitoring and protection.
- **Technological advancements** in sustainable development.

- Application of **laser and optics technologies** in energy efficiency and resource management.
- The importance of **data collection** and **analysis** in environmental conservation efforts.

3. Session Details and Execution

Session 1: Introduction to Environmental Development and Sustainability

The session began with an introduction to **environmental development** and its significance in the context of global challenges such as climate change, pollution, and resource scarcity. The speaker emphasized the need for sustainable practices in all sectors, including energy production, agriculture, water management, and waste management. Key topics covered included:

- **Sustainable Development Goals (SDGs)**: An overview of the UN's SDGs and their relevance to environmental conservation and development.
- **Global Environmental Challenges**: Discussion on the urgency of tackling issues like deforestation, air and water pollution, loss of biodiversity, and global warming.

The session set the stage for the more technical discussions to follow, emphasizing that environmental development cannot be achieved without innovation and the use of advanced technologies.

Session 2: Photonics and Environmental Solutions

This session explored the role of **photonics technologies**, which involve the use of light and optical technologies, in addressing environmental challenges. Topics covered included:

- **Photonics in Environmental Monitoring**: How laser and optical technologies are used to monitor air quality, water bodies, and land degradation. The session explained how **remote sensing** and **spectroscopy** can provide detailed data on environmental parameters.
- **Energy Efficiency and Renewable Energy**: A discussion on how photonics can play a significant role in the development of **solar energy**, **wind energy**, and other renewable sources. The session highlighted the use of **solar cells** and **energy-efficient lighting** systems that rely on photonics technologies.
- **Water Purification**: Innovative ways in which photonics is used in **UV light-based water purification systems**, ensuring clean water for communities.
- **Waste Management**: How photonics can help in recycling and waste management through **optical sorting technologies**, improving waste processing efficiency.

Session 3: Interactive Demonstration of Photonic Applications

This session featured an **interactive demonstration** of several photonics applications relevant to environmental protection:

- **Spectroscopic Analysis**: A live demo of how **spectrometers** are used to analyze pollutants in the air and water, providing real-time data on environmental health.
- **Remote Sensing**: Participants observed how satellite and drone-based **remote sensing** systems

भारतीय गैर न्यायिक

एक सौ रुपये Rs. 100

रु. 100 ONE HUNDRED RUPEES

सत्यमेव जयते

भारत INDIA

INDIA NON JUDICIAL

29 NOV 2019

తెలంగాణ తెలంగాణా TELANGANA

29 NOV 2019

Rs 100/-

U 783236

SL No. 13452 Date 29/11/2019

Purchaser J. BHAGWAN REDDY

S/o. D/o. W/o. J. VENKAT REDDY

For Whom BHARAT INSTITUTE OF ENGG & TECH.

R/o R.R Dist

POREDDY RAM REDDY
LICENSED STAMP VENDOR
Lic No: 16-01-31/2017
H.No. 17-2-845, Madannapet,
Saidabad, Hyderabad-500 059
Cell: 9032574607

BHARAT INSTITUTIONS

Memorandum of Understanding
Between
eVITAL Heavy Engineering Pvt Ltd
AND
BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY (BIET).

This Memorandum of Understanding ("MoU") is entered in to at effective as of November 29, 2019 by and between: **eVITAL Heavy Engineering Pvt Ltd** a company incorporated under the provisions of the Companies Act, 1956 and having its Plant & Office at Sy. No.320, KK Thanda Road, Cheekatimamidi (V), Bommalaramaram (M), Yadadri Bhuvanagiri District, Telangana. Hereinafter unless the context otherwise requires be referred to as **Evital Heavy Engg**

and

BIET having its registered office at Mangalpally (V), Ibrahimpatnam (M), Hyderabad, and hereinafter unless the context otherwise requires be referred to as "**BIET**"

29/11/2019.

29.11.19

Whereas:

1. ***BIET*** and **Evital Heavy Engg** have entered into discussions concerning **Evital Heavy Engg** provision of conduction of Guest Lectures / Seminars/ Workshops / R&D /Projects for EEE and allied streams.

2. The parties have agreed that BIET will elect to engage **Evital Heavy Engg** as the primary and preferred technology provider.

This MoU shall be valid for a term of ***Three Years*** starting from the Effective Date set forth above, unless terminated earlier by either party, or extended mutually by both parties hereto, on the same terms and conditions as here in.

Now therefore this MoU witnesses:

IN WITNESS WHEREOF, the parties hereto have executed this Understanding on the date, month and year, hereinabove written.

WITNESSES:

For BIET

Name: Dr. J. Bhagwan Reddy

Designation: Professor & HOD
EEE, BIET

Signature: 29.11.2019

For Evital Heavy Engineering Pvt Ltd

Name: M.Vittaleshwar

Designation: Managing Director

For eVITAL HEAVY ENGINEERING PRIVATE LIMITED

Signature:

Managing Director.

29/11/19

e-Vital Heavy Engineering Pvt Ltd
The Department of Electrical and Electronics Engineering, Bharat Institute of Engineering and Technology, Hyderabad organized research project on, "Power semiconductor drives and control" in association with eVITAL Heavy Engineering PVT Ltd

Objective: The objective of the interactive project session was to provide participants with a deep understanding of **Power Semiconductor Drives** and **Control Systems**. The session focused on the applications of power semiconductor devices in industrial automation and energy-efficient systems, and demonstrated how to control and drive power electronics in real-time applications.

2. Session Overview

The **Interactive Project on Power Semiconductor Drives and Control** organized by **e-Vital Heavy Engineering Pvt. Ltd.** aimed to provide participants with hands-on experience and a theoretical understanding of how **power semiconductor devices** are used in the development and control of industrial motors and drives. The session covered key concepts, such as **motor drives**, **semiconductor switching devices**, and their role in achieving efficient energy conversion and control in modern systems.

Key Topics Covered:

- Basics of **power semiconductor devices**: diodes, thyristors, MOSFETs, and IGBTs.
- Applications of **power semiconductor devices** in **motor drives**.
- **Control techniques** for regulating and optimizing power semiconductor drives.
- **Energy-efficient systems** using power semiconductor control.

- Hands-on experience with control circuits and motor drive systems.

3. Session Details and Execution

Session 1: Introduction to Power Semiconductor Devices

The session began with an introduction to **power semiconductor devices** and their importance in modern electrical systems. The presenter discussed:

- **Types of Power Semiconductors**: The characteristics and applications of different devices such as **diodes**, **thyristors**, **MOSFETs**, and **IGBTs**.
- **Role in Power Electronics**: How these devices function in converting electrical power, managing high voltages and currents, and providing efficient energy conversion.
- **Advantages of Power Semiconductors**: The benefits of using these devices in terms of efficiency, cost, and reliability for industrial applications.

Participants were introduced to the working principles of each device and how they are used to build **power converters**, **inverters**, and **motor drives**.

Session 2: Power Semiconductor Drives and Motor Control

In this session, the focus shifted to the integration of power semiconductor devices into **motor control systems**. The participants learned:

- **Motor Drives**: Understanding the use of semiconductor devices in controlling electric motors, such as **AC motors**, **DC motors**, and **stepper motors**.
- **Drive Control Techniques**: Introduction to various control techniques like **voltage control**, **frequency control**, and **current control**, and how they help optimize motor performance.
- **Applications of Motor Drives**: Discussing real-world industrial applications of motor drives, including robotics, HVAC systems, and conveyor systems, which rely on efficient power semiconductor control.

The session highlighted how these drives ensure smoother operation, better energy efficiency, and reduced wear and tear on equipment.

Session 3: Practical Demonstration of Power Semiconductor Drives

The session featured a **live demonstration** of **power semiconductor drives** in action. Participants were shown:

- **Control Circuit Design**: How a basic power semiconductor drive circuit is designed using power electronic devices such as **IGBTs** and **MOSFETs**.

- **Operation of Motor Drives**: Demonstrating the working of different motor drives, including controlling the speed, torque, and direction of the motor using the power semiconductor devices.
- **Energy Efficiency Optimization**: Participants observed how these drives optimize energy consumption and reduce losses by adjusting motor speed according to the load.

The demonstration allowed the participants to see first-hand how the theory is applied in real-time systems.

Session 4: Control and Feedback Mechanisms

In this session, the focus shifted to the **feedback control systems** used in power semiconductor drives:

- **Closed-loop Control Systems**: Understanding how feedback mechanisms help maintain the desired speed, position, and torque in motor drives by adjusting power inputs in real-time.
- **Pulse Width Modulation (PWM)**: Explanation of how **PWM techniques** are used to control the power delivered to motors, ensuring smooth operation and minimizing energy wastage.
- **Sensor Integration**: How sensors (current, speed, and position sensors) are integrated into control systems to monitor performance and adjust the drive parameters accordingly.

Participants were shown how these feedback systems improve the precision and efficiency of motor control.

Session 5: Applications and Future Trends

The final session explored the **future trends** in power semiconductor drives and their evolving role in **smart grids**, **renewable energy systems**, and **electric vehicles**. Key points discussed included:

- **Electric Vehicles (EVs)**: The role of semiconductor drives in EVs for managing battery charging and controlling the electric motors.
- **Smart Grids**: How power semiconductor devices are used in **smart grids** for better energy distribution, monitoring, and load balancing.
- **Renewable Energy Systems**: Power semiconductor devices in solar inverters, wind turbine controllers, and other renewable energy technologies.
- **Emerging Technologies**: The shift towards using **wide-bandgap semiconductors** (such as **SiC** and **GaN**) for more efficient, higher-performance power semiconductor devices.

The session concluded with discussions on the increasing demand for energy-efficient solutions in various industries and how power semiconductor drives are at the forefront of these developments.

4. Key Takeaways

At the end of the session, participants gained:

- A clear understanding of the **working principles** of power semiconductor devices and their importance in **motor control** and **energy efficiency**.
- Practical experience with designing and operating **power semiconductor drives**, including the use of **control techniques** such as **PWM**.
- Knowledge of how these systems are used in **real-world applications**, ranging from industrial motor drives to renewable energy systems.
- Insights into the **future of power semiconductor technology**, especially in the context of **electric vehicles** and **smart grids**.

---

5. Challenges Faced

While the session was highly informative and engaging, a few challenges were encountered:

- **Varying Skill Levels**: Participants with different backgrounds, ranging from beginners to more advanced learners, had varying levels of understanding of power electronics. Some advanced topics required additional explanations for beginners.
- **Complexity of Control Systems**: Some participants found the **closed-loop control systems** and **feedback mechanisms** complex. However, the instructors provided step-by-step explanations and visual demonstrations to clarify these concepts.
- **Time Constraints**: The detailed nature of the subject meant that some advanced topics, such as **energy optimization** in larger systems, could not be fully explored due to time limitations.

---

6. Conclusion

The **Interactive Project on Power Semiconductor Drives and Control** by **e-Vital Heavy Engineering Pvt. Ltd.** was a successful and engaging event that provided participants with a comprehensive understanding of **power electronics** and **motor control** systems. Through live demonstrations and hands-on activities, participants were able to grasp the core concepts of power semiconductor devices and their role in creating efficient and sustainable systems.

The session emphasized the importance of **power semiconductor technology** in modern industries, especially in the context of **energy efficiency**, **automation**, and the **future of electric mobility**. It was an excellent learning opportunity for students, engineers, and

professionals looking to deepen their knowledge of power semiconductor devices and control systems in industrial applications.

Overall, the event successfully combined theoretical learning with practical insights, providing participants with valuable knowledge that will help them in their future careers in electrical engineering and related fields.

Mangalpally(V) Ibrahimpatnam R. R. District

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

తెలంగాణ తెలంగాణా TELANGANA

Sadhana L 436081

SL.No 6162 Date 12/01/2019 Rs.50/-
Sold to: D. RAJU
S/o,W/o. D. VENKAIAH R/o. HYD
For Whom. Bharat Institute of Engineering & Technology.

B.SADHANA
Licensed Stamp Vender
Ren.No.16-02-073 of 2017
Lic.No. 16-02-073of 2011 Shop No.2-1-73/C
Nallakunta, Hyd -500044 (M) 9848686023

GeekL
LEARNING REDEFINED

MEMORANDUM OF UNDERSTANDING
BETWEEN
BHARAT INSTITUTE OF ENGINEERING & TECHOLOGY
AND
GEEKL TECHNOLOGIES

I. MISSION:

GeekL Technologies is one of the top growing company in Hyderabad which aims at catering students with various job oriented courses like Data Science,Big Data,Machine Learning,Artificial Intelligence,Python,Internet of Things etc.

GeekL Technologies is associated with outstanding mentors who have more than 14 yrs experience and have been working with top MNC companies like Tata Consultancy Services,Google,Ernst & Young,Deloitte and Franklin Templeton International.

BIET ensures high academic standards to educate ,enrich and excel in imparting professional education by top quality faculty who endeavours to mould the students into socially responsible professionals through creative team work, innovation & research.

Together we enter into the Memorandum of Understanding to promote PLACEMENTS,INTERNSHIP,WORKSHOPS AND PROJECTS. Accordingly BIET and GEEKL Tech. operating under this MOU agree as follows:

II. PURPOSE & SCOPE

GEEKL Tech. and BIET describes the intended results or effects that the organizations hope to achieve and the area(s) the specific activities will cover

Benefits to BIET

- Job oriented Training
- Practical Oriented Sessions
- Real Time Projects
- Industry Visits
- Certificate
- Placements
- Workshops & Guest Lectures

Participating Students

- ECE students of
- 2nd year,3rd year and 4 th year for workshops
- 3rd year and 4 th year for Projects
- 2nd year,3rd year for job oriented training
- 4th year for placement and Real time Projects

III. TERM OF UNDERSTANDING

The term of this MOU is for a period of one year with effect from 22/01/2019. This MOU can be extended upon written mutual agreement after annual review to ensure that it is fulfilling its purpose and to make any necessary revisions.

Either organization may terminate this MOU upto thirty days (30 days) written notice without penalties or liabilities.

Authorization:

The signing of this MOU is not a formal undertaking. It implies that the signatories will strive to reach , to the best of their ability, the objectives stated in the MOU.

On behalf of the organization I represent , I wish to sign this MOU and contribute to its further development.

Host Organization:

Bharat Institute of Engineering & Technology
Name: Dr. Papiya Dutta
Designation : Associate Prof. ECE Deptt.

23/1/19

Bharat Institute of Engineering & Technology
Name: Dr. B. Prasad Rao
Director (Placements & Training).

Partner Organization:

GEEKL TECHNOLOGIES
Name: Mr. Suresh Gilakamsetti
Designation: CEO, GEEKL Tech

23/1/19

23/1/19

GEEKL TECHNOLOGIES

The Department of ECE organized Training on “IoT & Machine Learning on the Edge”. The aim of this workshop is to introduce the participants to the amazing world of sensor networks and other IoT platforms.

Training on “IoT & Machine Learning on the Edge”

1. Introduction

Training Title: Training on "IoT & Machine Learning on the Edge"
Organized by: GEEKL Technologies
Objective: The training, organized by **GEEKL Technologies**, focused on introducing participants to the integration of **Internet of Things (IoT)** and **Machine Learning on the Edge**. The primary objective was to provide participants with an understanding of how IoT devices collect data and how Machine Learning models can be deployed at the edge (on local devices) to make real-time decisions without the need for cloud-based processing. This training aimed to provide practical exposure to cutting-edge technologies in IoT and machine learning, helping participants explore their applications in real-time and resource-constrained environments.

2. Program Overview

The training was structured to offer participants a deep dive into the **IoT ecosystem** and how **machine learning models** can be integrated into IoT devices at the edge. The two-day program was a mix of theoretical sessions and hands-on workshops, where participants had

Mangalpally(V) Ibrahimpatnam R.R District

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

the opportunity to gain valuable insights and experience working with IoT hardware, software platforms, and machine learning models designed to run locally on edge devices.

Key Focus Areas:

- Introduction to IoT and the IoT ecosystem.
- Overview of **Machine Learning** and its applications in real-time data processing.
- **Edge Computing** and its importance in reducing latency and bandwidth usage.
- Practical sessions on integrating IoT sensors with machine learning models at the edge.

3. Day 1: Introduction to IoT and Edge Computing

Session 1: Introduction to IoT

The first day of the training began with an introductory session on **Internet of Things (IoT)**. The session covered:

- **What is IoT?**: An overview of IoT and its role in connecting everyday objects to the internet, enabling them to collect and exchange data.
- **IoT Architecture**: The basic architecture of IoT systems, including sensors, communication protocols, cloud platforms, and user interfaces.
- **Applications of IoT**: Real-world applications of IoT, including smart homes, industrial automation, healthcare, agriculture, and environmental monitoring.

Session 2: Edge Computing and its Relevance to IoT

Following the IoT session, the training focused on the concept of **Edge Computing** and its significance in IoT systems:

- **What is Edge Computing?**: Understanding how edge computing involves processing data closer to where it is generated (on local devices) rather than sending all data to a remote cloud server.
- **Why Edge Computing?**: The importance of reducing latency, bandwidth consumption, and improving real-time decision-making capabilities in IoT devices.
- **Challenges of Edge Computing**: The limitations of edge devices, including processing power, memory, and energy constraints.
- **Applications of Edge Computing**: Use cases where edge computing is critical, such as autonomous vehicles, industrial robots, and smart cities.

Session 3: Introduction to Machine Learning

The first day also introduced participants to the fundamentals of **Machine Learning** (ML):

- **What is Machine Learning?**: Understanding machine learning as a method for enabling computers to learn from data and improve their performance over time.

- **Types of Machine Learning**: Overview of supervised, unsupervised, and reinforcement learning techniques.
- **Machine Learning Models**: The various types of ML models, including linear regression, decision trees, neural networks, and deep learning.

The day concluded with a hands-on session, where participants worked with simple IoT sensor data and learned how to collect and process it for use in ML models.

4. Day 2: Machine Learning at the Edge

Session 4: Edge Machine Learning - Concepts and Techniques

The second day began with a deeper dive into the practical integration of **machine learning at the edge**:

- **Machine Learning on the Edge**: Understanding how ML models can be trained and deployed on IoT devices, allowing them to make real-time decisions without sending data to the cloud.
- **Tiny Machine Learning (TinyML)**: Introduction to TinyML, a subset of machine learning focused on running models on tiny, resource-constrained devices such as microcontrollers and low-power sensors.
- **Edge ML Frameworks**: Overview of frameworks and tools used for running ML models on the edge, such as **TensorFlow Lite**, **Edge Impulse**, and **Arduino-based ML solutions**.

Session 5: Hands-on Workshop - IoT Sensors and Edge Computing

The training's second day included a hands-on workshop where participants integrated IoT devices with edge machine learning models. In this session, participants:

- Set up **IoT sensors** (temperature, humidity, motion sensors, etc.) to collect data.
- Used the **Edge Impulse platform** to train simple ML models (such as anomaly detection or classification models).
- Deployed the trained ML models on an **edge device** (like a Raspberry Pi or microcontroller).
- Learned to process the data on the edge device, enabling real-time decision-making without relying on cloud computing.

The workshop focused on building small-scale edge-based IoT solutions, such as:

- A smart environmental monitoring system that detects temperature or humidity anomalies.
- A motion detection system that uses an ML model to classify movements and trigger actions.

Session 6: Real-World Applications and Challenges

The training concluded with a discussion on the **real-world applications** of IoT and edge machine learning, along with the challenges faced when implementing such systems. Key takeaways included:

- The use of **IoT & Edge ML in industries** like manufacturing, healthcare (predictive healthcare), agriculture (smart farming), and security (smart surveillance).
- **Challenges in Edge ML**, including limited computing resources, model optimization for low-power devices, and real-time data handling.

5. Key Learnings and Outcomes

The two-day training on **IoT & Machine Learning on the Edge** offered participants several key insights and practical skills:

- **Hands-on Experience with IoT Sensors and Devices**: Participants learned how to set up and interact with IoT devices for data collection.
- **Edge Computing and Its Role in Real-Time Applications**: A deeper understanding of how edge computing reduces latency and enhances the performance of IoT systems.
- **Machine Learning for Edge Devices**: Participants learned how to train machine learning models using small datasets and deploy them to edge devices for on-site decision-making.
- **TinyML**: Introduction to machine learning techniques tailored for low-power, constrained devices, opening up new possibilities for IoT applications.
- **Practical Exposure to Edge-ML Tools**: Hands-on experience using popular platforms such as **TensorFlow Lite** and **Edge Impulse**, enabling participants to build end-to-end IoT and edge ML solutions.

6. Conclusion

The training on **IoT & Machine Learning on the Edge**, organized by **GEEKL Technologies**, provided a comprehensive understanding of the integration of IoT and machine learning, especially at the edge. It offered a balanced mix of theory and practical exposure, which allowed participants to understand the capabilities and limitations of edge computing in IoT applications.

The training not only enhanced participants' technical skills but also exposed them to the vast potential of IoT and edge-based machine learning solutions in various industries, paving the way for future career opportunities in the rapidly growing fields of IoT and AI.

Overall, the training was a valuable experience, providing participants with the knowledge and hands-on skills needed to develop innovative, real-time, and scalable IoT solutions powered by machine learning at the edge.

1. MEMORANDUM OF UNDERSTANDING

INSTITUTE FOR ENGINEERING RESEARCH AND PUBLICATION (IFERP)

AND

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY, HYDERABAD

Preample

This Memorandum of Understanding (herein after referred to us " MOU ") is made and entered into by and between the ***Institute For Engineering Research And publication****, with a registered address at Girija Apartment, MMDA Colony, 100 Ft Road, Arumbakkam, Chennai - 600106, India (herein referred to as "****First Party****") and* ***BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY, Hyderabad, Telangana ,INDIA*** *(herein referred to as "****Second Party****").*

This memorandum sets out the initial relationship between the parties as well as the respective rights and responsibilities of each party. Each Party respectively is expected to act in good faith in accordance with this Memorandum.

Purpose

The purpose of this MoU is to establish a frame work for International conference collaboration between Institute For Engineering Research And Publication (IFERP) and BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY, HYDERABAD for organizing the

Name of the Conference - ..... Recent Advance in Signal Processing

Date - ..10.03.2020

at BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY, Hyderabad and to set forth the understandings and intentions of the partners with regard to collaboration in areas of mutual concern mentioned herein.

INSTITUTE FOR ENGINEERING RESEARCH AND PUBLICATION IFERP

(Signature – IFERP)

(Signature – BIET, Hyderabad)

044-42918383

Email: info@iferp.in
www.iferp.in

Girija Towers, Arumbakkam, Chennai - 600106

Report on the Research Project on Writing Proposals

The Department of Electronics and Communication Engineering, Bharat Institute of Engineering and Technology, Hyderabad, organized a project on writing proposals

Organized by: IFERP (Institute for Engineering Research and Publication)

Objective: The primary objective of the project was to guide participants on the key components and best practices for writing effective research proposals. The session aimed to equip researchers, academics, and students with the knowledge and skills necessary to draft proposals that can secure funding, support, and approval for their research projects.

2. Project Overview

The **Research Project on Writing Proposals**, organized by the **Institute for Engineering Research and Publication (IFERP)**, was an insightful session that delved into the nuances of crafting well-structured and persuasive research proposals. It was targeted at researchers, postgraduates, and faculty members who wish to improve their ability to write compelling proposals for academic, government, and corporate funding.

The project highlighted the importance of a well-crafted proposal in securing research grants and support for innovative projects. It also addressed the common challenges faced by researchers while writing proposals and provided solutions to enhance their chances of success.

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

Key Topics Covered:

- Understanding the **structure** of a research proposal.
- Identifying key components and writing techniques.
- Crafting a **compelling abstract** and **objectives**.
- Importance of a well-defined **methodology**.
- Strategies for writing a convincing **literature review**.
- How to highlight the **impact** and **outcome** of research.
- Best practices for **grant applications** and securing funding.

3. Session Details and Execution

Session 1: Introduction to Research Proposals

The project began with an introduction to the concept of a **research proposal**, its importance, and the role it plays in obtaining funding and approval for research projects. The session covered:

- The purpose of a proposal: why it is necessary to present a clear and structured plan for your research.
- The audience for the proposal: understanding the expectations of **funding bodies**, **grant agencies**, and **academic institutions**.
- Common challenges faced by researchers when drafting proposals and how to overcome them.

This session set the foundation for the subsequent discussions by emphasizing the importance of a proposal as a communication tool for researchers to express their ideas and justify their need for funding and resources.

Session 2: Key Components of a Research Proposal

The second session focused on the **structure and key components** of a research proposal. Key components discussed included:

- **Title and Abstract**: The importance of a clear and concise title that summarizes the research focus. A well-written abstract that captures the essence of the proposal and entices the reader.
- **Introduction and Problem Statement**: Crafting an introduction that clearly explains the research problem and its significance. Identifying gaps in existing knowledge and establishing the need for the proposed research.
- **Research Objectives and Scope**: Defining clear and achievable objectives. The session emphasized how to align research goals with the broader context of the field.
- **Literature Review**: The critical role of a literature review in establishing the theoretical foundation of the research. How to conduct an effective review and identify gaps that the proposed research will address.

This segment helped participants understand the importance of organizing their thoughts and presenting their research ideas logically and convincingly.

Session 3: Writing Methodology and Research Design

One of the core aspects of a research proposal is the **methodology**. The session provided detailed insights on how to develop and articulate a research methodology that is feasible and sound:

- **Qualitative vs Quantitative Methods**: Understanding the difference and selecting the appropriate method based on the nature of the research.
- **Sampling and Data Collection**: How to define the sample size, choose data collection tools, and ensure the validity and reliability of the data.
- **Research Design**: Developing a detailed research design that includes the overall framework, timeline, and specific procedures to be followed.
- **Ethical Considerations**: Discussing the importance of ethical guidelines in research and how to incorporate them into the proposal.

The session concluded with practical tips on making the methodology section clear, replicable, and compelling.

Session 4: Impact, Budgeting, and Proposal Formatting

The fourth session focused on two crucial aspects of a research proposal:

- **Impact and Outcome**: Participants were guided on how to demonstrate the potential impact of the research. This included how to relate the research findings to real-world applications, societal benefits, and the advancement of the field.
- **Budget and Resources**: A breakdown of how to prepare a realistic and justified budget for the proposed research. This included funding for equipment, personnel, data collection, and other resources.
- **Formatting and Submission**: The final step in proposal writing involves adhering to formatting guidelines set by funding agencies or institutions. This session provided a checklist for proposal submission, focusing on clarity, organization, and meeting specific requirements.

Participants were encouraged to ensure that their proposals are not only scientifically sound but also well-presented and professionally formatted.

Session 5: Practical Tips and Best Practices

In the final session, the project offered **practical tips** and **best practices** for writing research proposals:

- **Clarity and Precision**: The importance of writing clearly and avoiding overly technical jargon that may confuse the reviewer.
- **Tailoring Proposals**: Understanding the importance of tailoring proposals to the specific interests and requirements of funding bodies.

- **Proofreading and Peer Review**: The necessity of proofreading and getting feedback from colleagues or mentors before submission.
- **Successful Case Studies**: Sharing examples of successful research proposals and the lessons learned from them.

The session was interactive, allowing participants to ask questions and share their experiences with writing research proposals.

4. Key Takeaways

By the end of the project, participants gained:

- **Comprehensive knowledge** of the key components of a research proposal and the role each plays in the proposal's success.
- A clear understanding of how to **define objectives**, **write methodologies**, and **present research impacts** effectively.
- Insights into the best practices for **crafting compelling proposals** that meet the expectations of funding agencies.
- Practical guidance on **budgeting** and **resource allocation** in research proposals.
- Knowledge of **proposal formatting** and the importance of submitting well-organized and polished proposals.

5. Challenges Faced

- **Varying Experience Levels**: The project attracted participants with varied levels of experience in proposal writing, which occasionally led to differing levels of understanding of some of the advanced topics. However, the speakers made efforts to address this by providing examples and answering specific queries.
- **Time Constraints**: Given the breadth of the topic, there was limited time to delve deeply into each component of the proposal-writing process. While the project covered key aspects, participants were encouraged to continue researching and practicing proposal writing on their own.

6. Conclusion

The **Research Project on Writing Proposals** organized by **IFERP** was a highly successful event that provided valuable insights into the intricacies of writing effective research proposals. The comprehensive sessions, which covered everything from the structure and methodology to budgeting and impact, provided participants with the knowledge and skills necessary to craft well-organized, compelling proposals.

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

The project also provided an interactive platform for participants to engage with industry experts, share experiences, and ask questions, making it a highly informative and practical event. By the end of the project, participants were well-equipped to approach proposal writing with greater confidence and a clearer understanding of what funding bodies look for in successful proposals.

Overall, the project was an excellent learning opportunity for aspiring researchers, faculty members, and students, providing them with the tools needed to enhance their proposal writing skills and secure funding for their future research endeavors.

Mangalpally(V) Ibrahimpatnam R. R. District

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

తెలంగాణ TELANGANA

Sadhana L 436069

No.6150 Date 12-1-19 Rs.50/-
d to: D. RAJU
S/o. D. VENKAIAH R/o. HYD
Whom. Bharat Institute of Engineering & Technology.

B.SADHANA
Licensed Stamp Vender
Ren.No.16-02-073 of 2017
Lic.No. 16-02-073of 2011 Shop No.2-1-73/C
Nallakunta, Hyd -500044 (M) 9848686023

training and student guidance services.

b) Shared use of facilities including classrooms, labs, offices and libraries that reduces operating costs and promotes collaboration of students, faculty, staff, and community members in program success

c) Selection of students based on the intent of the program and that reflect the diversity of the region serviced by ISC.

Scope of Agreement and Limitations of Authority: The Scope of the Agreement and the parties agree as follows:

Governance: (1). The Student Development Program will:

a. Be governed by both College and ISC's governing bodies and subject to rules and policies defined by the College along with state and federal policies; and
b. Have the autonomy to operate as a separate program within the College premises and shall not interfere with the regular operations and curriculum.

(2). The Program Coordinator (appointed by ISC):

a. Will have the authority to implement:
   [1]. Governance;
   [2]. student assessment, curriculum, and scheduling;
   [3]. professional development;
   [4] access to school and student data for college students with permission of the College.

16/1/19

Schoolconnect Private Limited India

16/1/19

भारतीय गैर न्यायिक

पचास रुपये रु.50

FIFTY RUPEES Rs.50

INDIA

INDIA NON JUDICIAL

తెలంగాణ तेलंगाना TELANGANA

Sadhana L 436069

.No6150 Date12 Rs.50/-
ld to: D. RAJU
, W/o. D. VENKAIAH R/o. HYD
Whom. Bharat Institute of Engineering & Technology.

B.SADHANA
Licensed Stamp Vender
Ren.No.16-02-073 of 2017
Lic.No. 16-02-073of 2011 Shop No.2-1-73/C
Nallakunta, Hyd -500044 (M) 9848686023

training and student guidance services.

b) Shared use of facilities including classrooms, labs, offices and libraries that reduces operating costs and promotes collaboration of students, faculty, staff, and community members in program success

c) Selection of students based on the intent of the program and that reflect the diversity of the region serviced by ISC.

2. Scope of Agreement and Limitations of Authority: The Scope of the Agreement and the parties agree as follows:

A. Governance: (1). The Student Development Program will:

a. Be governed by both College and ISC's governing bodies and subject to rules and policies defined by the College along with state and federal policies; and
b. Have the autonomy to operate as a separate program within the College premises and shall not interfere with the regular operations and curriculum.

(2). The Program Coordinator (appointed by ISC):

a. Will have the authority to implement:
[1]. Governance;
[2]. student assessment, curriculum, and scheduling;
[3]. professional development;
[4] access to school and student data for college students with permission of the College.

C. [signature] 16/1

ischoolconnect Private Limited India

[signature] 16/1

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY
Ibrahimpatnam -501 510, Hyderabad

I school connect. Inc

The Department of Electrical and Electronics Engineering conducted internship on "Higher Education in Foreign Countries & Career Counseling" organized by Sri. Daniel KM, IIM, Kolkata, Director, Sri. Satish Yadav, Ms, Swathi Priyanka & Sri. Raja, Managers Ischool connect at BIET.

Internship on "Higher Education in Foreign Countries & career Counseling".

Objective: The internship aimed to provide comprehensive knowledge and guidance on pursuing higher education in foreign countries and offer career counseling to students seeking global educational opportunities. The program focused on the essential processes of applying to international universities, understanding the challenges of studying abroad, and receiving career advice for long-term professional growth.

1. Introduction to I School Connect.Inc

I School Connect.Inc is an organization dedicated to helping students make informed decisions about higher education, particularly for those interested in studying abroad. The internship provided participants with hands-on experience in guiding prospective international students through the complexities of studying abroad, including application procedures, visa processes, and the impact of global education on career trajectories.

The internship program served as an essential platform to connect students with the right resources and opportunities for their academic and professional aspirations.

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

2. Focus Areas of the Internship

The internship program offered a well-rounded exposure to both higher education abroad and career counseling. The main focus areas covered throughout the internship were:

a) Higher Education in Foreign Countries

The interns were introduced to the various pathways to study abroad, which involved understanding the intricacies of application processes, university rankings, and selecting the right educational programs in line with the student's career aspirations. Key aspects covered included:

- **University Selection**: Interns learned how to assist students in selecting universities that match their academic profile, interests, and career goals. This involved understanding different education systems (such as those in the US, UK, Canada, Australia, and Europe) and advising students on the best-fit institutions.
- **Application Process**: Interns helped guide students through the university application processes, which included preparing application forms, writing Statements of Purpose (SOPs), securing Letters of Recommendation (LORs), and submitting necessary documents like transcripts, standardized test scores (GRE, IELTS, TOEFL), and portfolios.
- **Scholarship and Financial Aid Guidance**: The internship provided insights into different scholarships, grants, and financial aid options available for international students. Interns helped students explore funding opportunities based on academic merit, financial need, and specific country requirements.
- **Visa and Immigration Process**: Interns assisted in preparing students for the visa application process by outlining required documents, preparing for visa interviews, and understanding the different visa types and regulations based on the chosen study destination.
- **Cultural and Academic Preparation**: In addition to the practical aspects of applying for universities, interns learned about the cultural adaptation process for students moving abroad. Topics like cultural immersion, language barriers, and understanding different academic systems were explored.

b) Career Counseling

Alongside university applications, the internship placed a strong emphasis on **career counseling**, with the aim of helping students align their education with their long-term professional goals. Interns received training in providing personalized career guidance and professional development advice. Areas covered included:

- **Career Pathways**: Interns learned how to guide students in identifying career paths that best suited their educational background, interests, and market trends. This included advice on fields with high demand and emerging industries.
- **Resume Building & Interview Preparation**: Interns were taught how to review and build compelling resumes and CVs. They also provided mock interviews and prepared students for behavioral and technical interview questions commonly encountered in international job markets.

- **Internship and Job Search Strategies**: The program covered strategies for finding internships and full-time job opportunities, especially for international students. Interns helped guide students on how to leverage job portals, LinkedIn, and other platforms to explore global career opportunities.
- **Skill Development**: Emphasis was placed on developing both technical and soft skills that are essential for global job markets. Interns advised students on improving communication, leadership, teamwork, and problem-solving skills to enhance their employability.

3. Internship Activities and Responsibilities

Interns actively participated in a variety of activities designed to give them practical exposure to the world of education consulting and career counseling:

- **One-on-One Student Consultations**: Interns held consultations with students who were interested in studying abroad. They assessed students' academic profiles, career goals, and financial considerations to recommend suitable university programs and career paths.
- **Workshops and Webinars**: Interns organized and participated in workshops and webinars on higher education in foreign countries, focusing on topics such as scholarship opportunities, university application processes, and cultural integration. These sessions were designed to provide valuable information to prospective international students.
- **Research on Global Education Trends**: Interns conducted research on global education trends, university rankings, and new programs introduced by top institutions. They used this information to advise students on emerging educational opportunities in different regions.
- **Creating Educational Content**: Interns contributed to the creation of content such as blog posts, articles, and guides on various topics related to studying abroad and career counseling. They also assisted in developing resources to support students in their journey to international education.
- **University Liaison**: Interns communicated with universities to stay updated on application deadlines, course offerings, and admission requirements. They served as intermediaries to facilitate smooth communication between students and institutions.

4. Key Skills Developed During the Internship

Throughout the internship, participants developed key skills that will be invaluable in their future careers, both in the field of education consulting and career counseling:

- **Communication Skills**: The internship significantly improved interns' ability to communicate with students from diverse backgrounds, explaining complex processes like university applications and career planning in a simple and understandable manner.

- **Research and Analytical Skills**: Interns honed their ability to research university programs, scholarship opportunities, and career trends, enabling them to provide relevant and up-to-date advice to students.
- **Problem-Solving**: The internship presented opportunities to work on solving challenges related to students' applications, from choosing the right university to overcoming financial constraints.
- **Cultural Sensitivity and Global Awareness**: The experience exposed interns to the challenges and opportunities students face when studying abroad. They learned to approach counseling with cultural sensitivity and an understanding of global educational systems.
- **Organization and Time Management**: Interns were tasked with managing various activities, deadlines, and student inquiries. This helped them develop strong organizational and time management skills essential for the fast-paced education consulting industry.

5. Conclusion

The internship on **Higher Education in Foreign Countries & Career Counseling** by **ISchool Connect.Inc** provided participants with a comprehensive understanding of the global education landscape and career development opportunities. Interns gained invaluable insights into the process of guiding students through their study abroad journey and helping them align their academic goals with their long-term professional aspirations.

By offering hands-on experience, practical counseling skills, and exposure to international education processes, this internship has empowered participants to pursue careers in education consulting, career counseling, and related fields. The experience has equipped interns with the tools needed to assist students in making informed decisions about their academic and professional futures.

Overall, the internship was an enriching and insightful experience, contributing significantly to both personal and professional growth.

தமிழ்நாடு तमिलनाडु TAMIL NADU 59AB 989511

JET SPIN

27 MAR 2019

J. LAKSHMANAN
STAMP VENDOR
L. No.13/[illegible]/37
112, TANA ST, CHENNAI-7.

நவ 26 2018 சென்னை-600035

MEMORANDUM OF UNDERSTANDING

This **Memorandum of Understanding** (hereinafter called as the 'MOU') is entered into on this the 20th day of – February– Two Thousand Nineteen **(20-02-2019)**,

BETWEEN

Bharat Institute of Engineering and Technology, Mangalpally, Ibrahimpatnam, R.R District, Hyderabad, Telangana **the First Party** represented herein by **Dr.K.S Balamurugan**, Assoc. Professor, Department of ECE(hereinafter referred as **'First Party'**, the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

AND

Authorized Signatory
Bharat Institute of Engineering and Technology

BHARAT INSTITUTE OF ENGEERING AND TECHNOLOGY
Mangalpally (V)
Ibrahimpatnam
R. R. District
E1

Authorized Signatory
JETSPIN

R. R. District
E1

JETSPIN, the Second Party, and represented herein by **G. JANARTHANAN**, Director, JETSPIN (hereinafter referred to as "**Second Party**", company which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

(First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party')

WHEREAS:

A) First Party is a Higher Educational Institution named:

i) Bharat Institute of Engineering and Technology

B) First Party & Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.

C) The Parties intent to cooperate and focus their efforts on cooperation within area of Skill Based Training, Education and Research.

D) Both Parties, being legal entities in themselves desire to sign this MOU for advancing their mutual interest.

E) JETSPIN, the Second Party is engaged in Business, Manufacturing, Skill Development, Education and R&D Services in the fields of Internet of Things (IoT) and relatedfields

F) **JETSPIN** ,22B, Karpagambal apartments, 1st Main Road, Venkatesh Nagar, Virugambakkam, Chennai-600092 and Bharat Institute of Engineering and Technology, Hyderabad – the MoU is sworn.

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERETO AGREE AS FOLLOWS:

Authorized Signatory
Bharat Institute of Engineering and Technology

Authorized Signatory
JETSPIN

Mangalpally(V), Ibrahipatanam, R. R. District

1.1 Both Parties are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations within the **Institution** and its related wings. The Parties shall keep each other informed of potential opportunities and shall share all information that may be relevant to secure additional opportunities for one another.

1.2 First Party and Second Party co-operation will facilitate effective utilization of the intellectual capabilities of the faculty of First Party providing significant inputs to them in developing suitable teaching / training systems, keeping in mind the needs of the industry, the Second Party.

1.3 The general terms of co-operation shall be governed by this MOU. The Parties shall cooperate with each other and shall, as promptly as is reasonably practical, enter into all relevant agreements, deeds and documents (the 'Definitive Documents') as may be required to give effect to the actions contemplated in terms of this MOU. The term of Definitive Documents shall be mutually decided between the Parties. Along with the Definitive Documents, this MOU shall represent the entire understanding as to the subject matter hereof and shall supersede any prior understanding between the Parties on the subject matter hereof.

CLAUSE 2 SCOPE OF THE MoU

2.1 The budding graduates from the institutions could play a key role in technological up-gradation, innovation and competitiveness of an industry. Both parties believe that close co-operation between the two would be of major benefit to the student community to enhance their skills and knowledge.

Authorized Signatory
Bharat Institute of Engineering and Technology

BHARAT INSTITUTE OF ENGEERING AND TECHNOLOGY
Mangalpally(V), Ibrahimpatanam, R. R. District E1

Authorized Signatory
JETSPIN

2.2 **Curriculum Design:** Second Party will give valuable inputs to the First Party in teaching / training methodology and suitably customize the curriculum so that the students fit into the industrial scenario meaningfully.

2.3 **Industrial Training & Visits:** Industry and Institution interaction will give an insight into the latest developments / requirements of the industries; the Second Party to permit the Faculty and Students of the First Party to visit its group companies and also involve in Industrial Training Programs for the First Party. The industrial training and exposure provided to students and faculty through this association will build confidence and prepare the students to have a smooth transition from academic to working career. The Second Party will provide its Labs / Workshops / Industrial Sites for the hands-on training of the learners enrolled with the First Party.

2.4 **Internships and Placement of Students:** Second Party will actively engage to help the delivery of the Internship and placement of students of the First Party into internships/jobs, as per AICTE internship Policy. The Second Party will also register itself on AICTE Internship Policy Portal for disseminating the Internship opportunities available with them.

2.5 **Research and Development:** Both Parties have agreed to carry out the joint research activities in the fields of wireless communication by providing hands-on implementation of making a Transceiver, conduction of workshop and HAM R&D Lab establishment in the College campus.

2.6 ***Skill Development Programs:*** Second Party to train the students of First Party on the emerging technologies in order to bridge the skill gap and make them industry ready.

Authorized Signatory
Bharat Institute of Engineering and Technology

Authorized Signatory
JETSPIN

AGREED:

For **Bharat Institute of Engineering and Technology**

Authorized Signatory

For **JETSPIN**

Authorized Signatory

Bharat Institute of Engineering and Technology	**JETSPIN**
Address: Mangalpally, ibhrahimpatnam, Rangareddy, Hyderabad-501510	**Address:**22 B, Karpagambal apartments, 1st Main Road, Venkatesh Nagar, Virugambakkam, Chennai-600092
Contact Details:9865936932	Contact Details: 8883388839
E-mails:profksbala@gmail.com	E-mails: support@jetspin.org
Web:www.biet.ac.in	Web:www.jetspin.org

Witness1:
Karthigayanmani
PAN - AAGPK0031M
9884663535

Witness2:
Srinivasan. G
2C, Vishnu Avenue, Vinayagam Street, Venkatesh Nagar, Virugambakkam, Chennai-600092 Ph: 9843225099

Witness3:
Dr. G. Jegan
Asso. prof/ECE
Bharat Institute of Engg & Tech. Hyderabad.
Ph: 9688720749

Witness4:
R. Sathish Kumar
Asst. prof/ECE
Bharat Institute of Engg & Technology
9491050418

Authorized Signatory
Bharat Institute of Engineering and Technology

BHARAT INSTITUTE OF ENGEERING & TECHNOLOGY
Mangalpally(V)
Ibhrahipatanam,
R. R. District
E1

Authorized Signatory
JETSPIN

Objective: The research and project seminar aimed to introduce participants to the transformative role of the **Internet of Things (IoT)** in industrial applications. The event explored various research advancements in IoT technologies and demonstrated practical applications within different industrial sectors. The seminar was designed to bridge the gap between theoretical concepts and real-world industrial implementations.

1. Introduction to IoT (Internet of Things)

The seminar began with an introductory session on the **Internet of Things (IoT)**, a technology that enables the connection of everyday objects to the internet, allowing them to collect, exchange, and act on data.

Key points discussed included:

- **Definition of IoT**: The network of physical devices, vehicles, home appliances, and other objects embedded with sensors, software, and connectivity to exchange data.
- **Components of IoT**:
  - **Sensors/Devices**: Collecting data from the physical environment.
  - **Connectivity**: Facilitating communication between devices using various protocols such as Wi-Fi, Bluetooth, Zigbee, or LoRa.
  - **Data Processing**: Analyzing and processing the data to extract meaningful insights.
  - **User Interface**: Interfacing with users via applications or dashboards.

The session highlighted how IoT is reshaping industries by enabling automation, data-driven decision-making, and improved operational efficiencies.

2. Research Advancements in IoT Technology

The seminar delved into the latest **research advancements** in the IoT field. Several emerging trends were discussed, including:

a) Edge Computing in IoT

- Edge computing allows data processing closer to the source of data generation, reducing latency and bandwidth consumption. Research in this area focuses on making IoT devices more autonomous by processing data locally instead of relying solely on cloud-based computing.

b) IoT and Artificial Intelligence (AI)

- The integration of IoT with AI is driving intelligent decision-making in various industries. AI algorithms help analyze large datasets collected by IoT devices, providing predictive insights and automating operations.

c) Low-Power Wide-Area Networks (LPWAN)

- LPWAN technologies like LoRa, NB-IoT, and Sigfox have been a major area of research. These networks enable long-range communication with low power consumption, making IoT devices more energy-efficient and ideal for remote industrial applications.

d) Security in IoT

- With the increase in IoT device usage, security remains a major concern. The research presented focused on encryption methods, secure protocols, and authentication systems designed to ensure the safety and integrity of IoT networks.

3. Applications of IoT in Various Industries

The seminar emphasized how IoT is being applied in various industrial sectors to enhance operational efficiency, improve safety, and drive innovation. Key sectors where IoT is making a significant impact include:

a) Manufacturing and Industrial Automation

- IoT has revolutionized manufacturing through **smart factories**. Sensors embedded in machines and equipment monitor their health, predict failures, and enable predictive maintenance. This reduces downtime and extends the life of machinery.
- **Industrial IoT (IIoT)**: IIoT platforms provide real-time data on production processes, enabling manufacturers to optimize operations, reduce waste, and improve supply chain management.

b) Energy and Utilities

- In the energy sector, IoT applications help manage smart grids, monitor energy consumption, and improve the efficiency of power distribution. IoT-based smart meters enable real-time monitoring of electricity usage, while predictive maintenance of transformers and other critical equipment helps prevent outages.
- **Smart Metering Systems**: IoT sensors are used in water and gas metering systems to track consumption patterns, detect leaks, and optimize the distribution of utilities.

c) Healthcare

- IoT has a transformative role in healthcare, particularly through **telemedicine** and **remote patient monitoring**. Wearable IoT devices collect health data such as heart rate, blood pressure, and glucose levels, which are then transmitted to healthcare providers for monitoring.
- **Smart Medical Devices**: Connected devices allow doctors to remotely monitor and diagnose patients, reducing the need for frequent hospital visits and improving patient care.

d) Agriculture

- IoT-based systems in agriculture allow for **precision farming** by monitoring soil moisture, temperature, and other environmental parameters. This data helps farmers optimize irrigation, reduce water usage, and increase crop yield.
- **Smart Irrigation Systems**: IoT-enabled irrigation systems automatically adjust water distribution based on real-time soil conditions, reducing water wastage and increasing efficiency.

e) Transportation and Logistics

- IoT plays a key role in **fleet management** by tracking vehicles in real time, improving route optimization, and ensuring efficient logistics. Sensors on vehicles monitor parameters such as fuel consumption, speed, and maintenance needs.
- **Smart Traffic Systems**: IoT is used to manage traffic flow, optimize signal timings, and reduce congestion in urban areas, leading to smoother and more efficient transportation.

4. Project Demonstrations and Hands-On Sessions

The seminar featured **project-based demonstrations** that showcased how IoT technologies are implemented in real-world industrial scenarios. These demonstrations allowed participants to gain practical experience with IoT devices and systems. Some of the key demonstrations included:

a) Smart Factory Simulation

- A live demonstration of a **smart factory setup** was conducted, where IoT sensors monitored various aspects of the production line, such as machine health, temperature, and humidity. The data was collected in real-time and visualized on a dashboard, enabling participants to see how predictive maintenance is carried out.

b) Smart Agriculture System

- A project on smart irrigation was demonstrated, where IoT sensors were placed in the soil to monitor moisture levels. The system automatically adjusted the irrigation flow based on real-time data, demonstrating the role of IoT in optimizing agricultural processes.

c) Healthcare Monitoring System

- A wearable device project was presented, where IoT-enabled sensors were used to monitor the health of patients remotely. Data such as heart rate, oxygen levels, and body temperature were collected and transmitted to healthcare providers for further analysis.

d) IoT-Based Smart Traffic System

- A project on **smart traffic management** was showcased, where IoT sensors and cameras were used to monitor traffic flow and control signals to reduce congestion. Real-time data from vehicles and traffic lights was analyzed to optimize the traffic system.

5. Discussion on Challenges and Future of IoT

The seminar concluded with a discussion on the challenges faced by the IoT industry, including:

a) Security and Privacy

- As IoT devices collect sensitive data, ensuring **security and privacy** is a key concern. The seminar discussed the importance of robust encryption, secure communication protocols, and cybersecurity measures to protect IoT networks.

b) Interoperability

- With the variety of IoT devices and platforms available, ensuring interoperability between different systems remains a challenge. Standardization and the use of common protocols were highlighted as crucial factors for IoT integration across industries.

c) Scalability

- As IoT networks grow, managing and scaling them becomes complex. The session covered strategies for building scalable and efficient IoT networks that can handle large volumes of data.

d) The Future of IoT

- The future of IoT was explored, with a focus on the **integration of IoT with AI and machine learning**, the rise of **5G connectivity** to support faster IoT communication, and the potential for **smart cities** driven by IoT technologies.

6. Conclusion

The **Research and Project-Based Seminar on IoT and Its Applications in Industry**, organized by **JETSPIN**, successfully highlighted the revolutionary role of IoT technologies in various industrial sectors. Participants gained valuable insights into the current state of IoT research, practical applications, and the challenges associated with its implementation. The hands-on project demonstrations and discussions on emerging trends provided a holistic view of IoT's potential to transform industries and improve efficiency, safety, and sustainability.

The seminar not only enhanced participants' understanding of IoT but also inspired them to explore innovative solutions using IoT technologies to address real-world industrial problems. As IoT continues to evolve, it is clear that its integration into industries will only grow, offering immense opportunities for innovation and development.

LoRa Alliance, Inc.
Institutional Member Participation Agreement

This Institutional Member Participation Agreement (this "Agreement") is entered into as of the 08 day of June, 2018 by and between LoRa Alliance, Inc. (the "Alliance") and Bharat Institute of Engg & Tech., on its own behalf and on behalf of its Affiliates (collectively, "Member").

WHEREAS, the Alliance has been formed as a nonprofit non-stock corporation for the purposes set forth in Article II of the Alliance's bylaws (the "Bylaws"); and

WHEREAS, Member desires to participate in the Alliance as an Institutional Member on the terms and conditions stated in this Agreement and in the Organizational Documents (as defined below).

NOW, THEREFORE, upon the approval of Member as an Institutional Member by the Board of Directors of the Alliance, the Alliance agrees to allow Member to join the Alliance on the terms and conditions contained herein and in the Organizational Documents, and Member agrees to abide by the terms and conditions contained herein and in the Organizational Documents.

Agreement

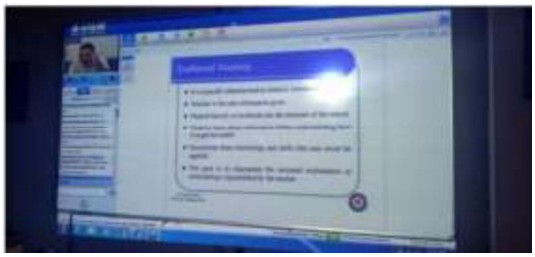
1. INCORPORATION

The Alliance is organized as a nonprofit non-stock corporation under the laws of the State of Delaware. LoRa™, LoRa™ Alliance and LoraWAN™ are the exclusive trademarks of Semtech Corporation ("Semtech") and are used herein pursuant to a license between Semtech and LoRa Alliance. The Alliance's Bylaws are attached as **Exhibit 1,** and the Alliance's Intellectual Property Rights Policy is attached as **Exhibit 2** (the "IPR Policy," and together with the Alliance's Certificate of Incorporation, the Bylaws, the IPR Policy and any other policies, procedures or other documents or arrangements promulgated by the Board of Directors from time to time during the term of this Agreement, the "Organizational Documents"). Member acknowledges that the Organizational Documents may be amended from time to time in accordance with the provisions of the respective document, and as may be allowed by law. Members will be notified at least sixty (60) days prior to adoption of any substantive changes to any of the Organizational Documents, and will have an opportunity to present concerns regarding changes to the Board of Directors. If changes are upheld, and an objecting Member declines to be subject to such changes, that Member can resign from the Alliance before the expiration of the sixty (60) day review period and such resigning Member will not be subject to the changed Organizational Documents.

2. MEMBERSHIP AND AFFILIATES

PRINCIPAL
Bharat Institute of Engg. & Tech.
Mangalpally (V), Ibrahimpatnam (M).
Ranga Reddy Dist-501 510

LORA ALLIANCE
The Department of ECE is organized ICT Mode TP on "Problem Based Learning (ICT15)" by NITTR Kolkata. Around 100 faculty members from various departments of BIET were attended the online exam also. All the faculty qualified in the exam will get the certificates from NITTR



ICT Mode TP on "Problem Based Learning (ICT15)"

Event Title: ICT Mode Training Program on "Problem Based Learning (ICT15)"
Organized by: LORA Alliance
Mode: Online (ICT Mode)
Objective: The primary goal of the TP was to familiarize participants with **Problem-Based Learning (PBL)** and its integration into the curriculum. The program aimed to introduce participants to the concepts, techniques, and practical applications of PBL, with an emphasis on enhancing problem-solving skills and improving learning outcomes in educational settings. This training program was specifically designed for educators, researchers, and practitioners looking to incorporate innovative teaching methodologies into their academic practices.

2. Program Overview

The training program on **Problem-Based Learning (ICT15)** was conducted by the LORA Alliance in an online format, enabling participants from diverse locations to engage with the content and sessions remotely. The program was structured to include a combination of theoretical lectures, interactive discussions, and hands-on activities that illustrated the principles and practices of Problem-Based Learning.

Key Objectives of the Program:

- **Introduction to Problem-Based Learning**: Provide a foundational understanding of PBL, its advantages, and its impact on student engagement and learning outcomes.
- **Techniques for Implementing PBL**: Explore practical strategies and tools for implementing PBL in educational settings.
- **Enhancing Critical Thinking and Problem-Solving**: Emphasize the importance of critical thinking and problem-solving skills in the learning process.

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY Mangalpally(V) Ibrahimpatnam R R District

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

- **Real-World Applications**: Provide insight into how PBL can be used across various disciplines and subjects to enhance student learning.

3. Details of the Sessions and Activities

Day 1: Introduction to Problem-Based Learning (PBL)

The first day focused on introducing the **concept of Problem-Based Learning**. Participants were familiarized with its historical background, key characteristics, and the shift from traditional teaching methods to student-centered approaches. The session highlighted:

- The definition of **Problem-Based Learning** and its role in fostering active learning.
- **Key Features of PBL**: Collaboration, real-world problems, self-directed learning, and critical thinking.
- The impact of PBL on student engagement and motivation.

Interactive activities included group discussions on current teaching methodologies and how PBL could be applied to address challenges in the traditional classroom setting.

Day 2: PBL Models and Frameworks

Day two delved into various **PBL models and frameworks** that can be adapted for different educational contexts. The session included:

- Overview of prominent PBL models, including **The Maastricht Model**, **The McMaster Model**, and others.
- Exploring the **structure** of a PBL curriculum and designing problem scenarios that stimulate learning.
- **Assessment Strategies in PBL**: Methods for evaluating student progress in problem-solving and teamwork.

During the interactive session, participants were tasked with designing simple problem scenarios that could be incorporated into a PBL setting in their own fields of expertise.

Day 3: Techniques for Implementing PBL in Different Disciplines

On the third day, the training program focused on the **implementation of PBL across different disciplines**, including engineering, medicine, science, and the humanities. This session included:

- Best practices for adapting PBL to **subject-specific challenges**.
- Strategies for integrating **multidisciplinary learning** in PBL activities.
- Using **digital tools** and resources to support collaborative learning and problem-solving in virtual and hybrid classrooms.

The day featured case studies from various sectors, where educators shared examples of how PBL had been successfully implemented and the benefits it brought to students' learning experiences.

Day 4: Collaborative Learning and Teamwork in PBL

Day four was dedicated to the **role of collaboration** in Problem-Based Learning. Participants were introduced to techniques for fostering teamwork and encouraging students to work together on complex problems. Key topics covered included:

- The importance of creating **learning environments that promote collaboration** and peer interaction.
- **Group dynamics**: How to manage and guide student teams effectively.
- Tools and platforms for online collaboration, including **virtual whiteboards** and **project management tools**.

The session also featured a group exercise where participants worked in virtual teams to solve a problem, simulating the PBL approach and experiencing collaborative learning firsthand.

Day 5: Practical Applications and Challenges in Implementing PBL

On the final day, participants were guided through the **practical applications of PBL** in their specific contexts, as well as the challenges they might face when implementing this learning method. The session focused on:

- Overcoming common **challenges in PBL**, such as time management, lack of resources, and resistance to change.
- How to integrate **feedback and reflection** into the PBL process to improve student outcomes.
- **Technology Integration**: Exploring how **ICT tools** like Learning Management Systems (LMS), discussion forums, and multimedia resources can enhance the PBL experience.

The day concluded with a **Q&A session**, where participants shared their experiences, challenges, and success stories in adopting PBL.

4. Key Learnings and Takeaways

Throughout the five-day STTP, participants gained essential insights and practical skills on implementing Problem-Based Learning. Key takeaways from the program included:

- **Enhanced Understanding of PBL**: A deep understanding of Problem-Based Learning, its advantages, and its potential to transform traditional educational methods.

- **Practical Implementation Skills**: Participants learned how to design and implement effective PBL strategies, including how to create meaningful problem scenarios and facilitate collaborative learning environments.
- **Critical Thinking and Problem-Solving**: Emphasis on enhancing students' critical thinking, decision-making, and problem-solving skills, which are essential in today's rapidly changing world.
- **Technology Integration**: Effective use of **ICT tools** to support and enhance the PBL process in both physical and online learning environments.
- **Teamwork and Collaboration**: The importance of fostering teamwork and peer learning through collaborative problem-solving tasks.

5. Conclusion

The Five Days ICT Mode Short-Term Training Program (STTP) on **Problem-Based Learning (ICT15)** by **LORA Alliance** proved to be an invaluable experience for educators and professionals looking to enhance their teaching methods. The program successfully introduced participants to the theory and practice of Problem-Based Learning, providing them with the tools and strategies to incorporate this approach into their own classrooms and teaching environments.

The integration of ICT tools, collaborative learning strategies, and practical PBL models made the program highly relevant to modern educational practices. The interactive discussions, group activities, and hands-on problem-solving exercises allowed participants to experience the essence of PBL while also developing the skills necessary to implement it effectively.

Overall, the program provided participants with a comprehensive understanding of how Problem-Based Learning can be used to enhance student engagement, promote critical thinking, and foster a deeper understanding of complex concepts, making it a valuable addition to their professional development.

भारतीय गैर न्यायिक

एक सौ रुपये Rs. 100

ONE HUNDRED RUPEES

रु. 100

सत्यमेव जयते

भारत INDIA

INDIA NON JUDICIAL

తెలంగాణ तेलंगाना TELANGANA

V 474894

T. JYOTHI
Licensed Stamp Vendor
License No.15-07-018/2013
L.R. No.15-07-027/2019
H.No.6-21/10 Baba Nagar, Nacharam
Uppal (M) Medchal Dist, Pin-500076.
Cell:9391371933

SL No. 8595 Date: 19/07/18

Sold to: Dr. Gayatri
S/o.D/o.W/o V. Srinivasa Rao
For Whom. Self R/o Hyd

MEMORANDUM OF UNDERSTANDING BETWEEN

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY AND QSTATIX PVT LTD.

I. Mission:

QSTATIX provides high quality Bioinformatics, Data analytics, Artificial Intelligence and Biological data analytics services along with training based on industry needs. We offer the services in the fields of scientific consultancy and mobile application development. We also extend class room and online mode corporate training with our proficient expertise team

BIET ensures high academic standards to educate, enrich and excel in imparting professional education by top quality faculty who endeavours to mould the students into socially responsible professionals through creative team work, innovation and research

Together we enter into the Memorandum of understanding to promote PLACEMENTS, INTERNSHIP, WORKSHOPS and PROJECTS. Accordingly BIET and QSTATIX Pvt Ltd operating under this agree as follows:

II. Purpose and Scope:

QSTATIX and BIET describes the intended results or effects that the organizations hope to achieve and the area(s) the specific activities will cover

Benefits to BIET

- Real Time Projects
- Workshops and Guest Lectures
- Industry Visits

- Summer Projects
- Outsourcing Projects

Participating Students

- 1st, 2nd, 3rd and 4th year students for workshop
- 3rd and 4th year students for Real Time projects
- 2nd year students for summer projects

III. Term of Understanding

The term of this MOU is for a period of 1 year with effect from 28/11/2019. This MOU can be extended upon mutual agreement after annual review to ensure that it is fulfilling its purpose and to make any necessary revisions.

Either organization may terminate this MOU upto thirty days (30 days) written notice without penalties or liabilities.

Authorized Signatory

The signing of their MOU is not a formal undertaking. It implies that the signatories will strive to reach, to the best of their ability, the objectives stated in the MOU

On behave of the organization I represent, I wish to sign this MOU and contribute to its further development.

Host organization:

Bharat Institute of Engineering and Technology

Name: Dr Gaddamanugu Gayatri

Designation: Associate Prof. of Dept of Chemistry(S & H)

Bharat Institute of Engineering and Technology

Name: Dr B Prasad Rao

Director (Placements and Training)

Partner Organization

QSTATIX Pvt Ltd

Name: Dr U Purushotham

Designation: CEO, QSTATIX Pvt Ltd

QSTATIX Pvt Ltd

Dr T Karunakar

Director, QSTATIX Pvt Ltd

QSTATIX Pvt. Ltd

The Department of Chemistry, Sciences and Humanities, organized a training on "**Chemoinformatics and Engineering**". The workshop started with an inaugural session which was followed by the lecture by Dr U purushottam, **CEO, QSTATIX Pvt Ltd**. The afternoon session was scheduled for hands on session by Dr T Karunakar, Director, QSTATIX Pvt Ltd, wherein participants used computational softwares and tools to understand the applicability of tools in solving problems.

Training on "Chemoinformatics and Engineering"

Introduction

A Training on "Chemoinformatics and Engineering" was successfully conducted on at [BIET]. The session was led by Dr. U. Purushottam, CEO of QSTATIX Pvt Ltd, a renowned expert in the field of chemoinformatics and data-driven research. The workshop aimed to introduce participants to the emerging field of chemoinformatics, its applications in chemical and pharmaceutical industries, and its role in modern engineering practices.

Workshop Objectives

The primary objectives of the workshop were:

- To provide an understanding of chemoinformatics and its interdisciplinary applications.
- To explore computational techniques for chemical data analysis and molecular modeling.
- To introduce participants to software tools and databases used in chemoinformatics.
- To discuss the role of artificial intelligence and machine learning in chemical research.

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

Workshop Highlights

The workshop was divided into multiple interactive sessions covering various aspects of chemoinformatics and engineering:

1. **Introduction to Chemoinformatics:**
   Dr. U. Purushottam provided an insightful introduction to chemoinformatics, explaining its significance in modern chemical and pharmaceutical industries. He highlighted its role in drug discovery, material design, and process optimization.
2. **Computational Approaches in Chemical Research:**
   The session covered key computational methods, including molecular docking, quantum chemistry, and statistical modeling. Participants were introduced to software tools such as ChemDraw, Open Babel, and PyMOL.
3. **Machine Learning and AI in Chemoinformatics:**
   The workshop emphasized the integration of artificial intelligence and machine learning in chemical research. Dr. Purushottam demonstrated case studies on predictive modeling for drug discovery and materials engineering.
4. **Hands-on Training Session:**
   Attendees engaged in practical exercises using chemoinformatics software, gaining hands-on experience in chemical data processing and visualization.
5. **Q&A and Interactive Discussion:**
   The session concluded with an interactive discussion where participants had the opportunity to clarify doubts and discuss potential research applications with Dr. Purushottam.

Conclusion

The workshop provided an excellent learning opportunity for students, researchers, and professionals interested in chemoinformatics and engineering. Dr. U. Purushottam's expertise and interactive teaching methods made the session highly engaging and informative. Participants expressed their appreciation for the workshop and requested more such sessions in the future to deepen their understanding of computational chemistry and its industrial applications.

Acknowledgment

We extend our gratitude to Dr. U. Purushottam for his valuable insights and time. Special thanks to the organizing team for successfully conducting the workshop. We also appreciate the enthusiastic participation of attendees, which contributed to the workshop's success.

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

తెలంగాణ తెలంగాన TELANGANA

Sadhana 436073

SL.No 6154
Sold to: D. RAJU 15.10.18
S/o,W/o. D. VENKAIAH R/o. HYD
For Whom. Bharat Institute of Engineering & Technology.

B.SADHANA
Licensed Stamp Vender
Ren.No.16-02-073 of 2017
Lic.No. 16-02-073of 2011 Shop No.2-1-73/C
Nallakunta, Hyd -500044 (M) 9848686023

Verified by

Memorandum of Understanding

This **Memorandum of Understanding** is made and executed **on**

BY AND BETWEEN

1) **Rapidue Technologies Pvt. Ltd.** is a registered company with its having office at 6-2-953, Office No. 205, Krishna Plaza, Kaitratabad, Hyderabad - 500004, Telangana, INDIA (herein after referred to as **Recykal** which expression shall, unless repugnant to or inconsistent with the context or meaning thereof, be deemed to include its successors and permitted assigns); of the other part.

AND

Bharat Institute of Engineering and Technology Mangalpally (V), affiliated to Jawaharlal Nehru Technological University, **Hyderabad**; of the first part

BHARAT INSTITUTE OF ENGEERING AND TECHNO
Mangalpally(V),
Ibhrahipatnam,
R. R. District
E1

RAPIDUE Technologies Pvt Ltd

Collection of Scrap and e-Waste

Objective: The project, initiated by **Rapidue Technologies**, aimed to develop an efficient system for the collection, sorting, recycling, and disposal of scrap and electronic waste (e-waste). The primary objective was to raise awareness about the environmental hazards posed by e-waste, promote responsible recycling, and establish a streamlined process for the safe disposal and recycling of electronic waste.

Rapidue Technologies, a leader in innovative technological solutions, took on the challenge of addressing the growing global problem of e-waste by creating a sustainable and eco-friendly collection system for electronic scrap. This project also aimed to contribute towards reducing the harmful impact of improper disposal of e-waste on both the environment and public health.

2. Project Overview

The **Collection of Scrap and e-Waste** project focused on providing an effective mechanism for the collection and recycling of electronic waste. The scope of the project involved multiple stages, including the identification of sources of e-waste, the collection process, sorting of reusable materials, safe disposal of hazardous components, and the promotion of recycling practices among businesses and consumers.

Key stages of the project:

1. **Identification of E-Waste Sources**: Identifying businesses, educational institutions, and residential areas as potential sources of scrap and e-waste.

2. **Collection and Transportation**: Setting up collection points and providing transportation mechanisms for the safe transfer of e-waste to recycling centers.
3. **Sorting and Processing**: Sorting recyclable and reusable components of the e-waste, such as metals, plastics, and glass, and processing hazardous materials safely.
4. **Recycling and Disposal**: Recycling electronic components and safely disposing of harmful elements such as mercury, lead, and cadmium.
5. **Awareness Campaign**: Conducting workshops and campaigns to educate the public about the importance of responsible e-waste disposal and the environmental risks associated with improper handling.

3. Project Details and Execution

a) Identification of E-Waste Sources

The project began by identifying various sources of e-waste, which included:

- **Residential areas**: Households often dispose of old electronics such as televisions, mobile phones, computers, and household appliances.
- **Commercial and Industrial establishments**: Companies that frequently upgrade their office equipment, such as computers, printers, and telecommunication devices.
- **Educational institutions**: Schools and universities dispose of old electronics like computers, projectors, and laboratory equipment.
- **Government and public organizations**: Offices and departments regularly replace obsolete electronic devices.

Rapidue Technologies set up a **database** of potential sources and established contact with them for regular pickups of electronic waste.

b) Collection and Transportation

The collection process involved the establishment of dedicated **collection points** at different locations, making it easier for individuals and businesses to drop off their e-waste. Rapidue Technologies coordinated with local authorities and businesses to ensure proper waste collection systems were in place.

Key elements included:

- **Mobile collection units** for collecting e-waste from residential areas and businesses.
- **Logistics planning** for efficient transportation to recycling centers, ensuring safe handling of the waste to avoid any environmental hazards.
- Establishment of a **digital collection platform**, where users could schedule pickups of e-waste and track the status of their disposal.

c) Sorting and Processing

Once the e-waste was collected, it was taken to processing facilities for sorting. The sorting process involved:

- **Segregation**: Sorting e-waste into different categories such as computers, mobile phones, television sets, and household electronics.
- **Disassembly**: Disassembling electronic devices to extract valuable components such as circuit boards, metals (gold, copper, aluminum), and plastic parts.
- **Hazardous waste identification**: Identifying and separating hazardous components such as **batteries**, **mercury-containing lamps**, **LCD screens**, and other harmful materials.

The team at Rapidue Technologies followed strict safety protocols to ensure that hazardous components were handled and disposed of correctly to avoid environmental contamination.

d) Recycling and Disposal

Once the sorting process was complete, the reusable materials were sent for recycling, and hazardous components were disposed of in a controlled environment. The recycling process included:

- **Extraction of valuable metals**: Metals such as gold, silver, copper, and aluminum were extracted from the circuit boards and other electronic parts for reuse in new products.
- **Plastic recycling**: Non-hazardous plastics were processed and converted into new products or materials for industrial use.
- **Glass recycling**: Glass from old monitors and TVs was recycled for use in manufacturing new electronics or as raw material in other industries.

For hazardous waste, such as **lead** from batteries, **mercury** from lamps, and **cadmium** from electronic components, safe disposal methods were utilized, including the use of **specialized disposal facilities** and **encapsulation techniques** to prevent contamination.

e) Awareness Campaigns and Public Engagement

As part of the project, **Rapidue Technologies** conducted several outreach and awareness programs to educate the public and businesses about the importance of e-waste recycling. This included:

- **Workshops and Seminars**: Educating communities and businesses about the environmental hazards of e-waste and the benefits of recycling.
- **Online Campaigns**: Promoting e-waste recycling through social media, digital ads, and awareness videos to reach a wider audience.
- **Partnerships**: Collaborating with local governments, non-governmental organizations (NGOs), and educational institutions to create a more sustainable approach to e-waste management.

4. Key Outcomes and Benefits

The **Collection of Scrap and e-Waste** project by Rapidue Technologies delivered several key outcomes and benefits, which include:

- **Environmental Protection**: The project significantly reduced the environmental impact of e-waste by ensuring that hazardous materials were safely disposed of and valuable resources were recycled. This helped in minimizing pollution caused by toxic chemicals leaking into the soil and water.
- **Resource Conservation**: Through the extraction and recycling of valuable metals, plastics, and other materials, the project contributed to the conservation of natural resources and reduced the need for mining new materials.
- **Public Awareness and Engagement**: The awareness campaigns and workshops helped in educating the public about the environmental risks associated with improper e-waste disposal. The project fostered a sense of responsibility toward sustainable disposal practices.
- **Economic Benefits**: Recycling e-waste created job opportunities within the recycling industry and generated a circular economy where valuable materials were reused in the manufacturing of new products.
- **Compliance with Regulations**: The project helped businesses and individuals comply with local and global e-waste disposal regulations and environmental standards, thus reducing the legal risk associated with improper disposal.

5. Challenges and Solutions

Throughout the course of the project, several challenges were encountered, including:

- **Public Reluctance**: Many people were unaware of the proper disposal methods or were reluctant to part with old electronic devices. To address this, Rapidue Technologies conducted more frequent awareness campaigns and set up accessible collection points in high-traffic areas.
- **Logistical Issues**: Organizing the transportation and collection from multiple sites was a logistical challenge. This was resolved by setting up a **scheduled pickup system** and **partnering with local delivery services** to ensure timely collection.
- **E-Waste Contamination**: The presence of hazardous materials in e-waste was a significant concern. By partnering with certified recycling facilities and employing best practices in hazardous waste disposal, Rapidue Technologies was able to mitigate this risk effectively.

6. Conclusion

The **Collection of Scrap and e-Waste** project by **Rapidue Technologies** successfully addressed the growing issue of electronic waste by implementing an efficient, eco-friendly

system for collection, sorting, recycling, and disposal. The project has not only contributed to environmental sustainability but also educated the public about the importance of responsible e-waste disposal.

With its emphasis on **recycling**, **resource conservation**, and **public awareness**, this initiative has laid a foundation for future projects aimed at reducing the environmental impact of e-waste and creating a sustainable circular economy. Rapidue Technologies has set a positive example of how technological solutions can be leveraged to solve global environmental challenges.

తెలంగాణ తెలంగాన TELANGANA

Sadhana L 436079

SL.No 6160 Date 12.12.2018 Rs.50/-
Sold to: D. RAJU
S/o,W/o. D. VENKAIAH R/o. HYD
For Whom. Bharat Institute of Engineering & Technology.

B.SADHANA
Licensed Stamp Vender
Ren.No.16-02-073 of 2017
Lic.No. 16-02-073of 2011 Shop No.2-1-73/C
Nallakunta, Hyd -500044 (M) 9848686023

MEMORANDUM OF UNDERSTANDING

BETWEEN

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

AND

R K AUTOMATION

This Memorandum of Understanding (MoU) establishes a type of partnership between BIET and RK Automation.

I. MISSION:

R K Automation provides industrial automation services, training for placements on PLC, SCADA, VFD, and HMI. R K Automation provides industrial oriented training to fill the gap between industry needs and students academic skills. R K Automation is established in the year 2016. R K Automation provides industrial automation services to different industries.

BIET ensure high standards to educate enrich and excel in imparting professional education, by top quality faculty who endeavors to mould the students into socially responsible professionals through creative team work, innovation and research.

16/12/18 16/12/18

R K Automation

The Department of Electrical and Electronics Engineering, Bharat Institute of Engineering and Technology, Hyderabad organized training on "Industrial Automation with Emphasis on PLC & SCADA(IA-2k19)" by Mr.R.Krishna Chaitanya, Founder, R K Automation, Guntur. This workshop covers the basics of industrial automation which creates awareness about application of PLC & SCADA for the domains of engineering.

Training on "Industrial Automation with Emphasis on PLC&SCADA"

Project Name: Industrial Automation with Emphasis on PLC & SCADA (IA-2k19)
Organized by: R K Automation
Event Type: Project Implementation
Objective: The project aimed to introduce participants to the practical aspects of industrial automation systems with a focus on Programmable Logic Controllers (PLC) and Supervisory Control and Data Acquisition (SCADA) systems. The workshop provided an in-depth understanding of how these technologies are applied in real-world industrial environments.

Day 1: Introduction to Industrial Automation & PLC

1. Opening Session and Introduction

- The event kicked off with an opening session led by experts from R K Automation. Participants were introduced to the concept of **Industrial Automation** and the role it plays in enhancing operational efficiency in manufacturing processes.
- Key topics covered included the basics of automation, the necessity of automation systems in industries, and a brief overview of PLC and SCADA.

2. Theory on PLC (Programmable Logic Controller)

- The first half of the day focused on **PLC**. The trainer provided an extensive theoretical background on PLC systems, explaining their structure, components, and functioning.
    - **PLC Basics**: Understanding the need for PLC in automating industrial processes.

Mangalpally(V) Ibrahimpatnam R R District

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

- **Components of a PLC**: Introduction to various components like the processor, input/output devices, power supply, and programming interfaces.
- **PLC Programming**: Basics of ladder logic programming, which is commonly used for controlling machinery and processes in industrial automation.

- The participants were given an understanding of how PLCs are used in different industries like manufacturing, processing, and energy management.

3. Hands-on Session with PLC

- The second half of the day involved practical training on **PLC programming**. Participants had the opportunity to work with real-time PLC simulators and control small automated systems.
  - Participants learned how to program simple operations like motor control, automated lighting systems, and conveyor belt operations.
  - Basic tasks were carried out using a **ladder diagram**, where participants interacted with PLC programming software to design and simulate automated systems.
  - The session also covered troubleshooting techniques to handle common issues that might arise in PLC-based systems.

4. Q&A and Discussion

- At the end of the day, a question-and-answer session was conducted. Participants had the opportunity to clarify doubts related to PLC systems, their applications, and programming methodologies.

Day 2: SCADA Systems and Advanced Automation Applications

1. Introduction to SCADA

- The second day of the workshop began with a session on **SCADA (Supervisory Control and Data Acquisition)** systems.
  - **SCADA Basics**: The importance of SCADA in monitoring and controlling industrial processes remotely.
  - Key components of SCADA systems were discussed, including sensors, remote terminal units (RTUs), communication protocols, and human-machine interfaces (HMIs).
  - The role of SCADA in data collection, real-time monitoring, and system control for large-scale industrial applications.

2. Working with SCADA

- The practical demonstration involved the setup and operation of SCADA software.
  - Participants learned how to interface PLC systems with SCADA systems for real-time data collection and system control.
  - Various SCADA tools and platforms were showcased, with live examples of how they monitor and control manufacturing units, pump stations, power grids, and other large industrial plants.
  - A step-by-step demonstration of how to create **alarm notifications**, data logging, and remote control over industrial processes was provided.

3. Integration of PLC & SCADA Systems

- One of the highlights of the second day was the demonstration on integrating **PLC with SCADA systems**.
  - Participants were shown how SCADA can monitor the real-time performance of PLC-controlled processes and visualize the data in user-friendly graphical interfaces.
  - The integration enabled participants to understand the seamless communication between the two systems and how data from PLC sensors is fed into SCADA for control and monitoring purposes.

4. Hands-on Session with SCADA Software

- Participants were then given hands-on training to work with SCADA systems.
  - They created real-time graphical interfaces to monitor and control PLC-controlled systems.
  - Tasks like monitoring industrial parameters (e.g., temperature, pressure, speed) and triggering automated actions were implemented using SCADA.

5. Advanced Applications of Industrial Automation

- The day concluded with an overview of advanced applications in industrial automation, including the use of **IoT** (Internet of Things) and **cloud computing** to enhance the functionality of PLC and SCADA systems.
- The focus was on the future trends in industrial automation and how PLC and SCADA are evolving with the integration of modern technologies like AI, machine learning, and predictive analytics.

6. Closing Session

- The workshop concluded with a closing session, where participants were encouraged to pursue further learning and exploration in the field of industrial automation.
- Certificates of participation were awarded, and the importance of continuous learning in the rapidly evolving field of automation was emphasized.

Key Takeaways

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

1. **Comprehensive Knowledge**: Participants gained a solid theoretical and practical understanding of PLC and SCADA systems and their importance in modern industrial automation.
2. **Hands-on Experience**: The workshop provided valuable hands-on experience in programming PLCs and working with SCADA systems, allowing participants to develop skills that are directly applicable to real-world automation projects.
3. **Integration of Technologies**: Participants learned how PLC and SCADA systems can be integrated to create a cohesive and efficient automated industrial environment.
4. **Future Trends**: Attendees were introduced to the future of industrial automation, including the integration of IoT, AI, and machine learning with traditional automation systems.

Conclusion

The **Industrial Automation with Emphasis on PLC & SCADA (IA-2k19)** project organized by **R K Automation** was a highly successful and informative event. Over the course of two days, participants gained valuable insights into the workings of PLC and SCADA systems, and acquired practical skills that will be beneficial for pursuing careers in automation. The combination of theoretical knowledge and hands-on sessions made the workshop engaging and practical, providing the participants with the tools they need to succeed in the field of industrial automation.

తెలంగాణ तेलंगाना TELANGANA

U 944715

K. SHANTHI
LICENSED STAMP VENDOR
L. No: 16-11-045/1995,
R. No: 16-11-009/2019
H. No: 7-1-414/2, Srinivasa Colony
East Ameerpet, Hyderabad-500 038.
Phone No: 9866250673

7798 DATE 17/10/2019 100/-

D. Akshay P. Kumar S/o Prasanna Kumar R/o Hyd.

WHOM M/S SMEC Automation pvt Ltd, Kerala.

MEMORANDUM OF UNDERSTANDING

THIS Memorandum of Understanding (hereinafter called the **"MOU")** is entered into the 17th day of October, Two Thousand and Nineteen between:

A. **SMEC Automation Private Limited is a** Private limited company incorporated in the Republic of India under Incorporation Number U45309KL2001PTC014516 of (2nd Floor, Kaloor Bus Stand Building, Kaloor, Ernakulam -682017) (hereinafter referred to as the "**COMPANY**")

AND

B. Bharat institute of engineering & Technology – Ibrahimpatnam, Hyderabad. (Hereinafter referred to as **"CLIENT").**

The Company and the Client listed above are hereafter individually referred to as a "**Party**" and collectively as the "**Parties**".

WHEREAS:

(A) The Company's core business is to educate and mentor Under Graduates, Post Graduates, Other Graduates, Professionals and Corporate by offering skill development programs through industrial oriented programmes like Automation, Embedded System, VLSI, Oil &

17-10-19

7 October 2019

(D) Pending execution of a formal Service Agreement, the parties have agreed to execute this binding Memorandum of Understanding (the "**Agreement**") in order to regulate their relationship.

THEREFORE, in consideration of mutual promises, representations, covenants and other good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, the Parties agree to the following terms and conditions and to be bound thereby:

1. Conditional Precedent

1.1. The provision of the Services is conditional upon:

(a) For the Company

(i) The Company undertaking to provide the Client with documents relating to the Company for it to undertake its due diligence; and

(ii) Providing the client with an extensive list of the courses & programmes to be covered under the Curriculum.

(b) For the Client

(i) The Client undertaking to the Company that it shall exclusively engage the Company for the development of the Value Added Course & Programmes and curriculum;

(ii) The Client undertaking to the Company that it will allocate a specific area as the technology centre for implementation of the Services fully equipped with tables chairs computers, projectors, teaching materials like markers erasers and safety equipment as required to conduct the skill based training;

(iii) The Client undertaking to the Company that it shall bear the loss of any items and materials in the technology centre through the negligence of its students and shall indemnify the Company against any loss damages claims or actions arising from damage to its equipment in the Value Added Course lab caused by the negligent acts of the Client, its employees, agents and its students;

(iv) The Client undertaking to provide the Company with support as called upon by the Company for implementation of the Services;

(v) The Client executing this Agreement and paying the Service Cost to the Company.

(vi) Food and Transportation should be arranged by the CLIENT to the Industrial Experts of the COMPANY.

(vii) Further, the CLIENT should ensure the availability of required infrastructure and lab support for the COMPANY, suitable enough to conduct the mentioned skill based training. It is to be noted that, during the period of the agreement, if any circumstances arise which call for alterations and modifications of this agreement, such modifications/ alterations can only be done based on mutual agreement.

1.2. The Client shall employ all due diligence to complete its due diligence over the Company within fourteen (14) days from the date hereof or such longer period as the Parties may agree in writing.

2. Scope of Services

2.1. 2 Orientation programs per year for all the respective Engineering Departments including Motivational Talk (Free)
2.2. In-house Workshop (Nominal Fees - Depends upon the topic chosen and Duration)
2.3. Long term In-house Training (Nominal Fees- it varies for different Duration, Streams and Topics)
2.4. Internship and Project Assistance (Nominal Fees)
2.5. Faculty Enhancement Program (One Week)
2.6. Expert talk by Industry Domain (Free)

17.10.19

2.7. Subject to Clause 2.1 to 2.7, the Parties have negotiated and agreed that the Company in implementation of the Services will in development of the Value Added Lab and implementation of the curriculum provide:

(a) Issue certificate towards the completion of skill based training or course, assessment and mutually agreed fees

3. Confidentiality

3.1. Each of the parties shall keep confidential and shall not disclose to any other person, nor use for any purpose except the purposes of conclusion of the sale and purchase of the Sale Shares, any confidential information obtained from the other party as a result of negotiating, entering into or implementing this Agreement.

3.2. No public announcement or press release in connection with the subject matter of this Agreement shall be made or issued by or on behalf of any party without the prior written approval of the others.

4. Co-operation

4.1. Each of the Parties shall do and execute or procure to be done and executed all such acts, deeds, documents and things as may be within its power to give full effect to this Agreement and to procure that all provisions of this Agreement are observed and performed.

4.2. Each of the Parties agrees that this Agreement is entered in between them and will be performed by each of them in a spirit of mutual co-operation, trust and confidence and that it will use all means reasonably available to it to give effect to the objectives of this Agreement.

4.3. The Parties recognize that this Agreement cannot reasonably take into consideration all matters or circumstances that may arise during the implementation of the obligations set out in this Agreement.

4.4. In this regard, should a situation not addressed by this Agreement arise, then the Parties shall cooperate to resolve it bearing in mind the Parties intentions and the completion timelines for its implementation.

1 Duration and Termination

1.1 This Agreement shall become effective from the date 17th October 2019

1.2 This Agreement shall terminate towards the end of completion of 5 years or if the parties agree in writing to terminate this Agreement

1.3 Termination shall be without prejudice to any claims for payment of fees invoiced or for fees to be invoiced for work carried out prior to termination, or any other professional inputs

2 No agency or partnership

Nothing in this Agreement shall create or be deemed to create a partnership or agency between the Parties and neither Party shall enter or have authority to enter into any agreement or make any representation or warranty on behalf of or pledge the credit of or otherwise bind the other Party.

3 Exclusion of Liability

3.1 The Company shall not be liable to the Client or be deemed to be in breach of its warranties or obligations under any provision in this Agreement:

(a) for any delay in performing or failure to perform the services to the extent that such delay or failure was due to a failure by the Client to perform its obligations under this Agreement or if the delay results from a failure by the Client to comply with requests by the Company for instructions, information or action required by it to perform its obligations under this Agreement;

(b) for the consequences of any acts or omissions of the Client, its employees or agents;

OR

17-10-19

(c) If the Client is in default of any of its payment obligations under this Agreement.

3.2 The Company, its directors, employees and agents will not be liable to the Client or to any third party for any consequential or punitive loss or damages

4 Change of Scope and Variation

4.1 Should it become necessary as the Agreement proceeds to change the scope of the services to include matters the Client thinks appropriate and/or exclude certain matters pursuit of which becomes impracticable or likely to involve time and expense out of proportion to their value to the Client, the Client shall discuss and agree such changes with the Company; such agreement will include the payment of reasonable additional fees and a reasonable period to provide any additional services. Significant variations in the scope of the services will be the subject of a supplementary agreement or engagement letter.

4.2 Subject to the foregoing this Agreement shall not be varied or cancelled, unless such variation or cancellation shall be expressly agreed in writing by each party.

5 Arbitration

5.1 Should any dispute arise between the Parties hereto with regard to the interpretation, rights, obligations and/or implementation of any one or more of the provisions of this Agreement, the Parties to such dispute shall in the first instance attempt to resolve such dispute by amicable negotiation.

5.2 Should such negotiations fail to achieve a resolution within Thirty (30) days, either Party may declare a dispute by written notification to the other, whereupon such dispute shall be referred to arbitration under the following terms:-

(a) Such arbitration shall be resolved under provisions of the applicable Indian laws and jurisdiction is Kerala.

(b) The place and seat of arbitration shall be SMEC Campus and the language of arbitration shall be English & Hindi;

(c) Notwithstanding the above provisions of this clause, a Party is entitled to seek preliminary injunctive relief or interim or conservatory measures from any court of competent jurisdiction pending the final decision or award of the arbitrator.

5. Costs

Each party shall bear its own costs incurred in the negotiation, preparation and execution of this Agreement

6. General

6.1. In this Agreement, including the recitals and the schedule, unless the context otherwise requires words importing the singular number only shall include the plural number also and vice versa and words importing the masculine gender includes the feminine and neuter gender and vice versa.

6.2. No failure or delay to exercise any power, right or remedy by the parties shall operate as a waiver of that right, power or remedy and no single or partial exercise by that party of any right, power or remedy shall preclude its further exercise or the exercise of any other right, power or remedy.

6.3. The rights and remedies of the parties provided in this Agreement are cumulative and not exclusive of any rights or remedies provided by law.

6.4. Each of the provisions of this Agreement is severable and distinct from the others and, if at any time one or more of these provisions is or becomes invalid, illegal or unenforceable, the validity, legality and enforceability of the remaining provisions shall not in any way be affected or impaired.

6.5. No amendment or variation to this Agreement shall be effectual or binding on the parties hereto unless it is in writing and duly executed by or on behalf of the parties hereto.

6.6. The construction, validity and performance of this Agreement shall be governed by and construed in accordance with the laws Govt. of Kerala and Govt. of India.

IN WITNESS WHEREOF this Agreement has been duly executed by the Parties hereto as of the day and year first above written.

17-10-19

SEALED with the Common Seal of)
SMEC Automation Private Limited)
)
)
Signature: .....)
Anand Warrier)
(Senior Manager – Business Development))
)
)

SEALED with the Common Seal of)
Bharat institute of engineering & Technology)
)
)
Signature: ..... 17.10.2019)
Dr. J. Bhagwan Reddy
(B.E, M.Tech, Ph. D)
(Prof & HOD – EEE)

(Photo Proof attestation by a Lawyer or Notary)

SMEC Automation Private Limited

The Department of Electrical and Electronics has organized training on "PLC Programming & Software Practice", by Sri Anand Warrier, Senior Manager and Sri Amit Rao, Technical Head, SMEC Automation Private Limited for final year EEE students during the year.

Training on "PLC Programming & Software Practice"

Introduction

A training on "PLC Programming & Software Practice" was successfully conducted on at [BIET]. The session was facilitated by Sri Anand Warrier, Senior Manager, and Sri Amit Rao, Technical Head, SMEC Automation Private Limited. The training aimed to provide in-depth knowledge on Programmable Logic Controllers (PLC), their programming, and practical applications in automation industries.

Training Objectives

The main objectives of the training were:

- To introduce the fundamentals of PLC and its significance in industrial automation.
- To provide hands-on experience in PLC programming and software practice.
- To familiarize participants with different PLC programming languages and real-world applications.
- To discuss troubleshooting techniques and best practices in PLC-based control systems.

Training Highlights

The training was structured into several interactive sessions covering various key topics:

1. **Introduction to PLC and Automation:**
   The session began with an overview of PLC, its architecture, and its role in industrial automation. The speakers explained the evolution of PLC technology and its applications across different industries.
2. **PLC Programming Basics:**
   Participants were introduced to different PLC programming languages such as Ladder

INSTITUTE OF ENGINEERING AND TECHNOLOGY Mangalpally(V) Ibrahimpatnam R R District

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

Logic, Structured Text, and Function Block Diagram. The session included explanations of logic gates, timers, and counters used in PLC programming.

3. **Hands-on Training Session:**
   A practical session was conducted where participants worked on PLC simulation software. They practiced writing and debugging PLC programs, configuring hardware, and setting up communication protocols.
4. **Real-World Applications and Case Studies:**
   The speakers presented case studies on PLC implementation in automation, including manufacturing processes, conveyor systems, and safety control systems.
5. **Troubleshooting and Best Practices:**
   The training concluded with a discussion on common troubleshooting techniques and best practices for ensuring the reliability and efficiency of PLC-controlled systems.

Conclusion

The training provided a valuable learning experience for students, engineers, and professionals interested in PLC programming and automation. The interactive approach and hands-on training enabled participants to gain practical insights into PLC-based control systems. The speakers, Sri Anand Warrier and Sri Amit Rao, shared their expertise effectively, making the session highly engaging and informative.

Acknowledgment

We extend our sincere gratitude to Sri Anand Warrier and Sri Amit Rao for sharing their knowledge and expertise. Special thanks to BIET and the organizing team for their efforts in making this training a success. We also appreciate the enthusiastic participation of all attendees, which contributed to the overall success of the event.

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Accredited by NAAC and Accredited by NBA : UG Programmes - CSE, ECE, EEE & Mechanical
Recognised by the Govt. of T.S. and Affiliated to JNTUH, Hyderabad.)
Sponsored by : CHINTA REDDY MADHUSUDHAN REDDY EDUCATIONAL SOCIETY
Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy District - 501 510, Telangana. Tel : 08414 - 252399

Ref.: **BIET/2018**

Date: 22/05/2018

To;
The Manager
BHEL
Hyderabad

Subject: Request for Consent of Student Project Work in the esteemed organization.

Dear Sir,

I hope this letter finds you in good health and high spirits. I am writing on behalf of Bharat Institute of Engineering & Technology to request your esteemed organization's support in providing our students with an opportunity to undertake project work under your guidance.

As part of our academic curriculum, our students are required to gain hands-on experience through industry-oriented projects that enhance their practical knowledge and prepare them for professional challenges. We believe that your organization, being a leader in relevant industry or domain, would provide an excellent platform for our students to apply their theoretical learning to real-world scenarios.

We would be grateful if you could accommodate a group of our students for project/internship work for around 3 or 4 months. We assure you that our students are highly motivated and eager to contribute meaningfully under the supervision of your experts. Additionally, we are open to discussing specific project requirements and any other formalities necessary for a smooth collaboration.

We look forward to a positive response and a fruitful association with your organization. Please let us know a convenient time for further discussions on this matter.

Thank you for your time and consideration.

Yours sincerely,

Vattikuti Babu

Principal
BIET

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

INSTITUTE OF ENGINEERING AND TECHNOLOGY
Mangalpally(V)
Ibrahimpatnam
R R District

BHARAT HEAVY ELECTRICALS LIMITED
RAMACHANDRAPURAM, HYDERABAD - 32
HUMAN RESOURCE DEVELOPMENT CENTRE
APPLICATION FORM FOR STUDENT PROJECT WORK
(To be processed by the employee)

Head HRDC,
BHEL, Hyderabad

PI Registration Details (To be given by HRDC)	E/H			
Employee Dependent	Amount		Date	/ /
Transaction ID (To be given by Student)				

SUB: REQUEST FOR PROVIDING PROJECT WORK TRAINING

REGULAR EMPLOYEE

I request you to provide training to the student, whose details are given below.

Name : P. Kesuruprasad
Staff no. : 6032036
Designation : Artisan
Department : Pulverisers
Dept. No : 25-C Internal no. : 2819
Mobile no. : 9493495314

1. The original college request letter is issued by the Institute is attached and the college is AICTE/UGC/AIU approved.
2. The student has attached 3 passport size photographs, and a copy of student's college ID proof. The student must carry the original college ID during training.
3. The student will not claim for refund of fees paid to BHEL and I will be responsible for any issue that arises.
4. I shall be held responsible for proper conduct of the student during the training in BHEL.
5. BHEL shall not pay stipend and do not provide Boarding / Lodging / Transport facility to the students.

I have read and understood all the above 5-point guidelines for the project work and I ensure the student shall abide by them.

(SIGNATURE OF EMPLOYEE)

STUDENT DETAILS

Name of Student : M. Sravan kumar Reddy
Student's mobile Number : 7680809907
Student's college roll number: 17E15A0313
College / Institute : Bharat Institute of Engineering and Tech.
Student's E-Mail Id: Sravanreddy9750@gmail.com
Course Studying In College : Engineering/MCA/Management 4th year, Branch mechanical
Period of Training : ______ days (from / / to / /)
Father's Name : M. Sudhakar Reddy Occupation: Farmer Mobile no: 9849012653
Permanent Address : 1-3-62, Budvel, Rajendranagar, R.R. Dist. Pin - 500030.

1. I will not visit unauthorized area / workplace and any kind of deviation will lead to the *TERMINATION* of training.
2. I agree to come in formal dress, safety helmet and shoes inside the Factory and follow the prescribed safety rules. BHEL will not be responsible for payment of any compensation for any injury that may arise out of the training.
3. I understand the property of BHEL including drawings/documents/tools shall not be used/taken or copied by me without the permission of the guide. I will keep all the information collected by me as confidential & will use for academic purpose only.
4. I understand being vacation trainee, BHEL doesn't entitle the trainee to have any kind of preference / weightage for any recruitment in the company and on completion of training I must return the CISF gate pass.
5. I understand that the training period can't be extended and I will not be absent, during the period of training.
6. I understand fee once paid will not be refunded and I ensure all the stationary required in connection with the project work shall be arranged by me.

I have read and understood all the above 6-point guidelines for the project work and I shall abide by them.

M. Sravan
(SIGNATURE OF STUDENT)

HR CELL

For fee waiver of BHEL, R.C. Puram Employee (Regular / Retired / VRS) / BLCCS / GYSS / LWC / Contract Labour / CISF's dependent, the certification from HR Department is MUST.

______________ is dependant of Mr./Mrs. ______________
______________ Staff No ______________ Department ______________
The student's date of birth, as per our records is / / and is dependent.

(HR EXECUTIVE)

GUIDE/ATC/HOD

Guide	ATC	HOD
Guide Name: ABHIJIT PARIDA Staff no: 6046371 Designation: Dy. Manager/Eng3 Phone no: 9491074219 (Only E2 and above) SIGNATURE & SEAL	ATC Name: Staff no. Designation: Phone no. एल. शंकर सिंह L. Shankar Singh अपर महाप्रबंधक / उत्पादन - पुल्व. AGM / Production - Pulverisers SIGNATURE & SEAL PROJECT / TRAINING INCHARGE	एल. शंकर सिंह अपर महाप्रबंधक / उत्पादन AGM / Production - Pulverisers बी.एच.ई.एल. हैदराबाद. BHEL, HYD-32 SIGNATURE & SEAL OF HEAD OF DIVISION / HEAD HRDC

HRDC

☐ Paid ☐ Dependent
☐ Recommended ☐ Not recommended

NOTE: For further details please visit HRDC intranet portal. (Please do not print back to back for correctness of processing.)

REDMI NOTE 6 PRO
MI DUAL CAMERA

Principal
Bharat Institute of Engg. and Tech.
Mangalpally (V), Ibrahimpatnam (M),
Ranga Reddy Dist., Telangana-501510

FORM-A

BHARAT HEAVY ELECTRICALS LIMITED
RAMACHANDRAPURAM, HYDERABAD - 32
HUMAN RESOURCE DEVELOPMENT CENTRE
APPLICATION FORM FOR STUDENTS' PROJECT WORK
(To be processed by the employee)

Head, HRDC,
BHEL, Hyderabad

IT Registration Details (To be given by HRDC)	E/M		Date	/ /	
Employee Dependent ☐	Amount				
Transaction ID (To be given by Student)					

SUB: REQUEST FOR PROVIDING PROJECT WORK TRAINING

REGULAR EMPLOYEE

I request you to provide training to the student, whose details are given below.

Name : P. Kaburaprasad. Department : Pulverising
Staff no. : 6032036 Dept. No : 231-C Internal no. : 2619
Designation : Asst. Mgr Mobile no. : 9491925364

1. The original college request letter is issued by the institute is attached and the college is AICTE/UGC/AIU approved.
2. The student has attached 3 passport size photographs, and a copy of student's college ID proof. The student must carry the original college ID during training.
3. The student will not claim for refund of fees paid to BHEL and I will be responsible for any issue that arises.
4. I shall be held responsible for proper conduct of the student during the training in BHEL.
5. BHEL shall not pay stipend and do not provide Boarding / Lodging / Transport facility to the students.

I have read and understood all the above 5-point guidelines for the project work and I ensure the student shall abide by them.

(SIGNATURE OF EMPLOYEE)

STUDENT DETAILS

Name of Student : N. Chandrashekar Student's college roll number: 17E15A0317
Student's mobile Number : 7097318984 Student's E-Mail id: neelichandrashekar36@gmail.com
College / Institute : Bharat institute of engg & technology
Course Studying In College : Engineering/MCA/Management 4th year, Branch mechanical
Period of Training : 15 days (from / / to / /)
Father's Name : N. Lingaiah Occupation: farmer Mobile no: 9052557
Permanent Address : HNO; 3-3-110, Street : Puranipet, Dist : Jagtial -371 505327

1. I will not visit unauthorized area / workplace and any kind of deviation will lead to the *TERMINATION* of training.
2. I agree to come in formal dress, safety helmet and shoes inside the Factory and follow the prescribed safety rules. BHEL will not be responsible for payment of any compensation for any injury that may arise out of the training.
3. I understand the property of BHEL including drawings/documents/tools shall not be used/taken or copied by me without the permission of the guide. I will keep all the information collected by me as confidential & will use for academic purpose only.
4. I understand being vacation trainee, BHEL doesn't entitle the trainee to have any kind of preference / weightage for any recruitment in the company and on completion of training; I must return the CISF gate pass.
5. I understand that the training period can't be extended and I will not be absent, during the period of training.
6. I understand fee once paid will not be refunded and I ensure all the stationary required in connection with the project work shall be arranged by me.

I have read and understood all the above 6-point guidelines for the project work and I shall abide by them.

(SIGNATURE OF STUDENT)

HR CELL

For fee waiver of BHEL, R.C. Puram Employee (Regular / Retired / VRS) / BLCCS / GVSS / EMC / Contract Labour / CISF's dependent, the certification from HR Department is MUST.

_____ is dependant of Mr./Mrs _____

Staff No _____ Department _____

The student's date of birth, as per our records is / / and is dependent.

(HR EXECUTIVE)

GUIDE/ATCHOD

Guide Name : ABHIJIT PARIMI
Staff no : 6046371
Designation : Dy. Manager (E2)
Phone no : 9491077219

SIGNATURE & SEAL

(Only E2 and above) ☐ Dependent

ATC Name :
Staff no. :
Designation :
Phone no. :

L. Shankar Singh
AGM / Production - Pulverisers
BHEL, HYD-32

L. Shankar Singh
AGM / Production - Pulverisers

भा एच ई एल

BHEL

IDENTITY CARD
(Restricted Movement)
(For Project Work/Industrial Training Only)

Name:	MOHD SHOEAB ALI
Recommended By:	1883127
Shift:	12.30PM-3.30PM
Valid Upto:	08-07-2019
Guide:	PRAKASH KUMAR
Guide's Contact:	6105424
Parent/Guardian Contact:	8179366519
Area of Movement:	FACTORY AREA

Signature of the Holder

OFFICE IN CHARGE (PASS)
CISF (J-GATE) BHEL, HYD.

(Photo of the candidate will be affixed on the reverse side and the same will be endorsed by Asst Commandent/CISF)

Blood Group:

HNO.2-3-54/11/H/20,QUADRA
BAGH,AMBERPET,HYD-13

INSTRUCTIONS:

1. Damage/Loss of the pass entails penalty and charge of Rs.100/-
2.Finder of this may please return to AGM-HRDC

OFFICE IN-CH
CISF (J-GATE)

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

IBP R.R. Dist. A.P. * Bharat Institute of Engineering & Technology *

73

बी एच ई एल
BHEL

IDENTITY CARD
(Restricted Movement)
(For Project Work/Industrial Training Only)

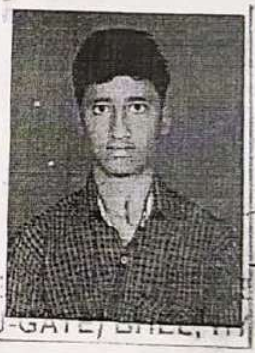
Name:	N. RAKESH KUMAR
Recommended By:	1899406
Shift:	12:30 PM-03:30 PM
Valid Upto:	12-07-2019
Guide:	SUDARSHAN REDDY K
Guide's Contact:	1899406
Parent/Guardian Contact:	7207742446
Area of Movement:	FACTORY AREA

Blood Group:

H-NO:- 2-3-603/63/14/A PATEL NAGAR
AMBERPET 500013

INSTRUCTIONS:

1. Damage/Loss of the pass entails penalty and charge of Rs.100/-
2.Finder of this may please return to AGM-HRDC



Signature of the Holder

Assistant Commandant(Plant)
CISF Unit, R.C.Puram,Hyd.

OFFICE COPY (PASS)
CISF (J-GATE) BHEL, HYD.

OFFIC E (PASS)
CISF (J-GATE) BHEL, HYD.

(Photo of the candidate will be affixed on the reverse side and the same will be endorsed by Asst.Commandent/CISF)

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

Scanned by CamScanner

बी एच ई एल

BHEL

IDENTITY CARD
(Restricted Movement)
(For Project Work/Industrial Training Only)

Name: K. VISHAL

Recommended By: 6037062

Shift: 12:30 PM-03:30 PM

Valid Upto: 11-07-2019

Guide: C NAVEEN KUMAR

Guide's Contact: 6207545

Parent/Guardian Contact: 9121593144

Area of Movement: FACTORY AREA

Signature of the Holder

Assistant Commandant (Plant)
CISF Unit BHEL Hyd

OFFICE IN-CHARGE (PASS)
CISF (J-GATE) BHEL, Hyd.

... will be affixed on the reverse side and the same will be

Blood Group:

H. No 7-54 (vill)MOSRA (md) VARNI(DIST) NIZAMABADPIN NO 503206

INSTRUCTIONS:

1. Damage/Loss of the pass entails penalty and charge of Rs.100/-
2. Finder of this may please return to AGM-HRDC

OFFICE IN-CHARGE (PASS)

REDMI NOTE 6 PRO
MI DUAL CAMERA

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

भीएच ई एल

BHEL

IDENTITY CARD
(Restricted Movement)
(For Project Work/Industrial Training Only)

Name:	Kandhala saikiranreddy
Recommended By:	1883704
Shift:	12:30 PM-03:30 PM
Valid Upto:	16-07-2019
Guide:	RATNA RAJU D
Guide's Contact:	6046304
Parent/Guardian Contact:	9912339681
Area of Movement:	FACTORY AREA

Signature of the Holder

Assistant Commandant (Plant)
CISF Unit, BHEL, Hyderabad

(Photo of the candidate will be affixed on the reverse side and the same will be endorsed by Asst.Commandent/CISF)

Blood Group:

H no=4-109,near bavi,choutuppal, choutuppal mandal,yadadri

INSTRUCTIONS:

1. Damage/Loss of the pass entails penalty and charge of Rs.100/-
2.Finder of this may please return to AGM-HRDC

OFFICE IN-CHARGE (PASS)
CISF (J-GATE) BHEL, HYD.

OFFICE I/C
CISF (J-GATE) BHEL, HYD.

Principal
Bharat Institute of Engg and T...
...(V), Ibrahimpatnam
...(Dist) Telangana-501510

74

बीएचईएल
BHEL

IDENTITY CARD
(Restricted Movement)
(For Project Work/Industrial Training Only)

Name:	Bijinepally Sujith
Recommended By:	1883704
Shift:	12:30 PM-03:30 PM
Valid Upto:	16-07-2019
Guide:	RATNA RAJU D
Guide's Contact:	6046304
Parent/Guardian Contact:	9441742156
Area of Movement:	FACTORY AREA

Signature of the Holder

Assistant Commandant(Plant)
CISF Unit, BHEL, Hyderabad

(Photo of the candidate will be affixed on the reverse side and the same will be endorsed by Asst.Commandent/CISF)

Blood Group:

House number 13-229/4/A/1, OFFICERS COLONY, Farooqnagar, Mahabubnagar, Telangana - 509216

INSTRUCTIONS:

1. Damage/Loss of the pass entails penalty and charge of Rs.100/-
2. Finder of this may please return to AGM-HRDC

OFFICE IN-CHARGE (PASS)
CISF (J-GATE) BHEL, HYD.

OFFICE IN-CHARGE (PASS)
CISF (J-GATE) BHEL, HYD.

Principal
Bharat Institute of Engg. and Tech.
Mangalpally (V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Accredited by NAAC and Accredited by NBA : UG Programmes - CSE, ECE, EEE & Mechanical
Recognised by the Govt. of T.S. and Affiliated to JNTUH, Hyderabad.)
Sponsored by : CHINTA REDDY MADHUSUDHAN REDDY EDUCATIONAL SOCIETY
Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy District - 501 510, Telangana. Tel : 08414 - 252399

Ref.: **BIET/2018** **Date: 22/05/2018**

To;
The Manager
CITD
Hyderabad

Subject: Request for Consent of Student Project Work in the esteemed organization.

Dear Sir,

I hope this letter finds you in good health and high spirits. I am writing on behalf of Bharat Institute of Engineering & Technology to request your esteemed organization's support in providing our students with an opportunity to undertake project work under your guidance.

As part of our academic curriculum, our students are required to gain hands-on experience through industry-oriented projects that enhance their practical knowledge and prepare them for professional challenges. We believe that your organization, being a leader in relevant industry or domain, would provide an excellent platform for our students to apply their theoretical learning to real-world scenarios.

We would be grateful if you could accommodate a group of our students for project/internship work for around 3 or 4 months. We assure you that our students are highly motivated and eager to contribute meaningfully under the supervision of your experts. Additionally, we are open to discussing specific project requirements and any other formalities necessary for a smooth collaboration.

We look forward to a positive response and a fruitful association with your organization. Please let us know a convenient time for further discussions on this matter.

Thank you for your time and consideration.

Yours sincerely,

Principal
BIET

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY
Mangalpally(V)
Ibrahimpatnam
R R District

64

एमएसएमई-टूल रूम
MSME - TOOL ROOM
केन्द्रीय उपकरण अभिकल्प संस्थान
CENTRAL INSTITUTE OF TOOL DESIGN
(भारत सरकार की सोसाइटी – सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय)
(A Govt. of India Society - Ministry of Micro, Small & Medium Enterprises)

संदर्भ :
Ref. : CITD/CAD/CAM/MPW/17-18

दिनांक :
Date 01-Jul-2017

CERTIFICATE

This is to certify that this Mini Project work entitled "MODELLING BY SOLIDWORKS AND ANSYS OF "B-200 ROCKET NOZZLE" is the bonafide work done during 07/06/2017 to 06/07/2017 by-

Mr KESIDI SAI KUMAR REDDY

Roll no 14E11AO360

Student of B.TECH in MECHANICAL Engineering under our guidance and supervision.

C. SANATH KUMAR
Dy.Director(Trg.)

CENTRAL INSTITUTE OF TOOL DESIGN
CAD / CAM
AESL &
LCA
HYDERABAD

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

बालानगर, हैदराबाद - 500 037, तेलंगाणा, भारत Balanagar, Hyderabad - 500 037, Telangana, INDIA
(आईएसओ 9001:2008, आईएसओ 14001:2004, आईएसओ 29990:2010, आईएसओ 50001:2011 प्रमाणित संस्थान)
(An ISO 9001:2008, ISO 14001:2004, ISO 29990:2010, ISO 50001:2011 Certified Institution)
फोन Phones 040-23774536 Training 040-23771959 CAD/CAM 040-23772749 फैक्स FAX 040-23772858 E-mail
Sub-Centre, Vijayawada 0866-2540560, Sub-Centre, Visakhapatnam 0891-2785865, Extn. Centre, Chennai 044-22620366, Extn. Centre, KGF

Scanned by CamScanner

एमएसएमई-टूल रूम
MSME - TOOL ROOM
केन्द्रीय उपकरण अभिकल्प संस्थान
CENTRAL INSTITUTE OF TOOL DESIGN
(भारत सरकार की संस्था – सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय)
(A Govt. of India Society - Ministry of Micro, Small & Medium Enterprises)

संदर्भ :
Ref. : CITD/CAD/CAM/MPW/17-18

दिनांक :
Date : 01-Jul-2017

CERTIFICATE

This is to certify that this Mini Project work entitled "MODELLING BY SOLIDWORKS & ANSYS OF B-200 ROCKET NOZZLE" is the bonafide work done during 07/06/2017 to 06/07/2017 by-

Mr CHAMALA UTTEJ REDDY Roll no 14E11A0377

Student of B.TECH in MECHANICAL Engineering under our guidance and supervision.

CENTRAL INSTITUTE OF TOOL DESIGN · CAD / CAM AESL & LCA · HYDERABAD

G. SANATH KUMAR
Dy.Director(Trg.)

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

बालानगर, हैदराबाद - 500 037, तेलंगाणा, भारत Balanagar, Hyderabad - 500 037, Telangana, INDIA
आईएसओ 9001:2008, आईएसओ 14001:2004, आईएसओ 29990:2010, ...
(An ISO 9001:2008, ISO 14001:2004, ISO 29990:2010 ...)
[illegible]

Scanned by CamScanner

एमएसएमई-टूल रूम
MSME - TOOL ROOM
केन्द्रीय उपकरण अभिकल्प संस्थान
CENTRAL INSTITUTE OF TOOL DESIGN
(भारत सरकार की सोसाइटी – सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय)
(A Govt. of India Society - Ministry of Micro, Small & Medium Enterprises)
स्थापित 1970
ESTD 1970

संदर्भ :
Ref. : CITD/CAD/CAM/MPW/17-18

दिनांक :
Date :.01-Jul-2017.....

CERTIFICATE

This is to certify that this Mini Project work entitled " MODELLING AND ANALYSIS OF SCREW JACK " is the bonafide work done during **31/05/2017** to **30/06/2017** by-

Mr BUPATHI VIJAY KUMAR **Roll no 14E11A0307**

Student of B.TECH in MECHANICAL Engineering under our guidance and supervision.

CENTRAL INSTITUTE OF TOOL DESIGN • CAD / CAM AESL & LCA • HYDERABAD •

G. SANATH KUMAR
Dy.Director(Trg.)

Bharat Institute of Engineering & Technology (V), Ibrahimpatnam, R.R Dist.A.P

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

एमएसएमई-टूल रूम
MSME - TOOL ROOM
केन्द्रीय उपकरण अभिकल्प संस्थान
CENTRAL INSTITUTE OF TOOL DESIGN
(भारत सरकार की सोसाइटी - सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय)
(A Govt. of India Society - Ministry of Micro, Small & Medium Enterprises)

स्थापित 1970
ESTD 1970

संदर्भ : CITD/CAD/CAM/PW/19-20
Ref.

दिनांक : 25.04.2019
Date

CERTIFICATE

This is to certify that this Academic Project work entitled **"MODELING AND ANALYSIS OF HEAVY VEHICLE CHASIS"** is the bonafide work done by-

STUDENT NAME	ROLL NO
A BHARATH KUMAR	16E15A0301
KODAMAGULLA RAVITEJA	16E15A0306

In the Partial fulfillment of B.Tech Mechanical Engineering from **BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY, IBRAHIMPATNAM;** Project work done under our guidance and supervision.

CENTRAL INSTITUTE OF TOOL DESIGN
CAD / CAM
AESL & LCA

G. SANATH KUMAR
Dy. Director (Trg.)

Principal
Bharat Institute of Engg. and Tech
Mannalpally(V), Ibrahimpatnam(M)
Ranga Reddy Dist., Telangana.

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Accredited by NAAC and Accredited by NBA : UG Programmes - CSE, ECE, EEE & Mechanical Recognised by the Govt. of T.S. and Affiliated to JNTUH, Hyderabad.)

Sponsored by : CHINTA REDDY MADHUSUDHAN REDDY EDUCATIONAL SOCIETY

Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy District - 501 510, Telangana. Tel : 08414 - 252399

Ref.:

BIET/2018 **Date: 22/05/2018**

To;
The Manager
DMRL
Hyderabad

Subject: Request for Consent of Student Project Work in the esteemed organization.

Dear Sir,

I hope this letter finds you in good health and high spirits. I am writing on behalf of Bharat Institute of Engineering & Technology to request your esteemed organization's support in providing our students with an opportunity to undertake project work under your guidance.

As part of our academic curriculum, our students are required to gain hands-on experience through industry-oriented projects that enhance their practical knowledge and prepare them for professional challenges. We believe that your organization, being a leader in relevant industry or domain, would provide an excellent platform for our students to apply their theoretical learning to real-world scenarios.

We would be grateful if you could accommodate a group of our students for project/internship work for around 3 or 4 months. We assure you that our students are highly motivated and eager to contribute meaningfully under the supervision of your experts. Additionally, we are open to discussing specific project requirements and any other formalities necessary for a smooth collaboration.

We look forward to a positive response and a fruitful association with your organization. Please let us know a convenient time for further discussions on this matter.

Thank you for your time and consideration.

Yours sincerely,

Principal
BIET

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY
Mangalpally(V)
Ibrahimpatnam
R R District

भारतीय गैर न्यायिक

एक सौ रुपये

Rs. 100

ONE HUNDRED RUPEES

रु. 100

सत्यमेव जयते

भारत INDIA

INDIA NON JUDICIAL

आन्ध्र प्रदेश ANDHRA PRADESH

Date : 08-12-2007 Serial No : 5,075 Denomination : 100

Purchased By :

T. KISHAN
S/O LATE T. BALAJEE
R/O HYD.

For Whom :

CHAIRMAN IDST, C/O DLRL, HYD.

Sub Registrar
Ex.Officio Stamp Vendor
S.R.O. CHAMPAPET

MEMORANDUM OF UNDERSTANDING

Between

INSTITUTE OF DEFENCE SCIENTISTS & TECHNOLOGISTS C/O, DLRL, CGLINES, HYDERABAD- 500005 (hereinafter called IDST).

and

BHARAT INSTITUTE OF ENGINEERING TECHNOLOGY, MANGALPALLY, IBRAHIMPATNAM, R.R.DIST - 501 510 (hereinafter called B.I.E.T)

1.PREAMBLE

Where as IDST is a society of Retired Defence Scientists (Regd No.S/4 5222 of 2003 registered at New Delhi) formed to extend support to DRDO organization on the ongoing scientific and technical projects. It is formed to tap the vast experience and knowledge acquired by the scientists during the course of their service.

Where as B.I.E.T is an accredited engineering institution by NBA, New Delhi engaged in imparting quality education to B.Tech and M.Tech students possessing excellent facilities for Research. B.I.E.T also has experienced faculty well versed in R&D activities.

Where as IDST described the scope of work to BIET and BIET has agreed for the bilateral co-operation for the said research work.

2.SCOPE OF MOU

IDST and B.I.E.T proposed bilateral co-operation in carrying out research work by undertaking a research project sanctioned to IDST by a DRDO Lab. The project envisages investigation on TIME and FREQUENCY DIFFERENCE OF ARRIVAL BASED GEO LOCATION TECHNIQUE FOR COMMUNICATION SIGNAL EMITTERS. The work involves mainly simulation and modeling using software like MATLAB,C,C++ etc.

Details of work and division of responsibilities are given in Annexure to this M.O.U.

3.DURATION OF THE PROJECT

The duration of the project is one year starting from the date of signing this MOU. The project PDC is th Feb 2009.

4.OPERATION AND EXECUTION OF PROJECT

Sri. G. Nagendra Rao, Retd. Scientist and Former Head of Communication Directorate at Defence Electronics Research Laboratory (DLRL) is the representative of the Institute of Defence Scientists and Technologists for execution of this project.

Prof. G. Kumaraswamy Rao and his team will represent B.I.E.T and responsible for the execution of the work.

5.FINANCIAL ARRANGEMENT

An amount of Rs. 2,50,000 (Rupees two lakhs fifty thousand only) towards technical services for this project will be paid to B.I.E.T by IDST in four installments with the payment terms as given below. The release of payments (ii), (iii), (iv) are subject to acceptance by IDST.

(i) 25 % Advance within two months of signing MOU
(ii) 30 % After completion of first stage viz., Time & Frequency Difference of arrival algorithm, processing
(iii) 30 % After completion of second stage viz., Location Fix algorithm, processing
(iv) 15 % After completion of third stage viz., conclusion of the project

The problems of financing during the project should be solved upon mutual agreement.

RNL

6.RESPONSIBILITIES

Scope, division of work and responsibilities are included in annexure to this MOU.

Incase of representatives of IDST and B.I.E.T leave the organization, the Head of IDST and B.I.E.T can nominate the successors, on mutual consent.

Incase B.I.E.T desires to publish a part or full work in national/foreign journal, it should seek permission from DLRL through IDST. If objection is not received by B.I.E.T within 60 days of the request, B.I.E.T is free to publish the work.

The right to terminate the project will rest with both parties on mutual consent

7.ARBITRATION

All disputes arising out during the execution of this contract will be solved by mutual agreement. In case the disputes are not resolved the decision of the Chairman, IDST, Hyderabad branch will be final.

In witness whereof, IDST and B.I.E.T has executed this MOU as of the day and year set forth below.

Agreed by
B.I.E.T

Principal B.I.E.T
Mangalpally,
Ibrahimpatnam
R.R.Dist - 501 510
Date: 13-2-08

Witnesses:

1) G. Kuvaraswamy Rao 13-2-08
2) G. RamMohana Reddy 13-2-08

Agreed by
IDST

RIDL

Chairman IDST
DLRL Campus, C G Lines
Hyderabad -500 005

Date: 13.2.08

Witnesses:

1)
2)

Institute of Defence Scientists & Technologists

(Reg at New Delhi Under Societies Act XXI of 1860-Reg. No. S/4 5222 of 2003)

Hyderabad Branch

DLRL Campus, Chandrayanagutta,

Hyderabad – 500 005

Telefax: 040 – 24440375

E-mail: idst_hyd2008@yahoo.co.in

Date : 05 Nov, 2015

To

Prof G.Kumaraswamy Rao
BIET, R.R. District
HYDERABAD

Sir,

This has reference to the **"Radar EW"** course conducted recently by IDST(H) at BEL, Hyderabad premises. I wish to convey my deep gratefulness to you for the following expert lectures delivered by you at M/s Bharat Electronics Limited, Nacharam, Hyderabad. These talks were very well received by the course participants.

i. Concepts of Radars & LPI Capabilities, Part I & II, on 09th Oct' 2015.
ii. LPI Radar Vs ES Interceptor, on 17th Oct' 2015.

I would be seeking your continued support and guidance in future also for such endours.

(Dr. Harihar Singh)
Chairman, IDST(H)

Institute of Defence Scientists & Technologists

(Reg at New Delhi Under Societies Act XXI of 1860-Reg. No. S/4 5222 of 2003)

Hyderabad Branch

DLRL Campus, Chandrayanagutta,
Hyderabad – 500 005

Telefax: 040 – 24440375 **E-mail: idst_hyd 2008@yahoo.co.in**

Our ref No. IDST/HYD/Proj/09-10

Hyderabad
13th Apr 2009

SUB: GUIDANCE & SUPERVISION OF B. Tech. PROJECTS FOR FINAL YEAR ENGINEERING STUDENTS

Dear Prof Kumaraswamy Rao,

You will be happy to note that IDST Central Council has given its consent to our proposal to extend IDST to services to guide and supervise final year engineering students for projects for the award of B. Tech. Degree. This will facilitate IDST to contribute towards an important facet of engineering education in the country. This will also provide us an opportunity to fulfill a long felt need to highlight DRDO activities and achievements to young engineering graduates and involve many retired scientists(IDST members). into is enclosed main stream activities of IDST. A copy of guidelines for the purpose.

IDST Hyderabad will be approaching various engineering colleges to forward their requirements in respect of projects for final year engineering students for the academic year 2009-2010. IDST in consultation with engineering colleges will work out details regarding disciplines/areas/topics for the project works,number of students they would like to sponsor etc.In light above I request you to give your willingness before 15th May 2009 to undertake above task and provide the updated Bio-data as per the format enclosed. This will help us in creating a pool of scientists for the task before we approach engineering colleges.

I request for your cooperation and active participation to contribute towards quality engineering education in the country. I sincerely hope that you would accord priority for the same.

With warm regards

Encl: 1. Guidelines for IDST
2.Proforma for updated biodata

Yours sincerely

RLSaha

(Dr R.L.Saha)
Chairman

To

Sri G.KUMARASWAMY RAO
9-8-15,Maruthinagar Colony,
Opp. New Santoshnagar Colony,
Hyderabad-500059
e-mail:rao_gksdlrldrdo@yahoo.co.in

62

Defence Metallurgical Research Laboratory

Defence Research & Development Organisation

Ministry of Defence, Government of India, Hyderabad – 058.
Telephone: 040-24586340, Telefax: 040-24340829, Email: hrd@dmrl.drdo.in

CERTIFICATE

This is to certify that **Mr. Mohammed Asim, B. Tech. (Mechanical Engineering)** Third Year student of **Bharat Institute of Engineering and Technology, Ibrahimpatnam, R.R. Dist** has undergone **Technical Orientation** in this laboratory during 04 June 2018 to 29 June 2018.

No : DMRL/HRD/2018-BTO-0044
Date : 29-06-2018
Place : Hyderabad

(Dr. Amit Bhattacharjee)
Scientist 'G'
Head, HRD

Bharat Institute of Engineering & Technology
Mangalpally (V), Ibrahimpatnam, Rangareddy (Dist), Telangana-501 510

Scanned by CamScanner

Defence Metallurgical Research Laboratory

Defence Research & Development Organisation

Ministry of Defence, Government of India, Hyderabad – 058.
Telephone: 040-24586340, Telefax: 040-24340829, Email: hrd@dmrl.drdo.in

62

CERTIFICATE

This is to certify that **Mr. Gajula Shiva Venkat, B. Tech. (Mechanical Engineering)** Third Year student of **Bharat Institute of Engineering and Technology, Ibrahimpatnam, R.R. Dist** has undergone **Technical Orientation** in this laboratory during 04 June 2018 to 29 June 2018.

No : DMRL/HRD/2018-BTO-0045
Date : 29-06-2018
Place : Hyderabad

(Dr. Amit Bhattacharjee)
Scientist 'G'
Head, HRD

Principal
Bharat Institute of Engg. and Tech.
Ibrahimpatnam(M), R.R. Dist. A.P.

Scanned by CamScanner

Defence Metallurgical Research Laboratory

Defence Research & Development Organisation

Ministry of Defence, Government of India, Hyderabad – 058.
Telephone: 040-24586340, Telefax: 040-24340829, Email: hrd@dmrl.drdo.in

CERTIFICATE

This is to certify that **Mr. Kotha Koushik, B. Tech. (Mechanical Engineering)** Third Year student of **Bharat Institute of Engineering and Technology, Ibrahimpatnam, R.R. Dist** has undergone **Technical Orientation** in this laboratory during 04 June 2018 to 29 June 2018.

Bharat Institute of Engineering & Technology ★ Mangalpally (V), IBP, R.R. Dist. A.P. ★

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

Amit Bhattacharjee
Scientist 'G'
Head, HRD

No : DMRL/HRD/2018-BTO-0042
Date : 29-06-2018
Place : Hyderabad

Scanned by CamScanner

Defence Metallurgical Research Laboratory

Defence Research & Development Organisation

Ministry of Defence, Government of India, Hyderabad – 058.
Telephone: 040-24586340, Telefax: 040-24340829, Email: hrd@dmrl.drdo.in

CERTIFICATE

This is to certify that **Mr. Parsi Jayanth, B. Tech. (Mechanical Engineering)** Third Year student of **Bharat Institute of Engineering and Technology, Ibrahimpatnam, R.R. Dist** has undergone **Technical Orientation** in this laboratory during 04 June 2018 to 29 June 2018.

Principal
Bharat Institute of Engg. & Technology
Mangalpally(V), Ibrahimpatnam
Ranga Reddy (Dist)-Telangana-501510

No : DMRL/HRD/2018-BTO-0039
Date : 29-06-2018
Place : Hyderabad

(Dr. Amit Bhattacharjee)
Scientist 'G'
Head, HRD

52

Defence Metallurgical Research Laboratory

Defence Research & Development Organisation

Ministry of Defence, Government of India, Hyderabad – 058.
Telephone: 040-24586340, Telefax: 040-24340829, Email: hrd@dmrl.drdo.in

CERTIFICATE

This is to certify that **Mr. Juluri Raghavender, B. Tech. (Mechanical Engineering)** Third Year student of **Bharat Institute of Engineering and Technology, Ibrahimpatnam, R.R. Dist** has undergone **Technical Orientation** in this laboratory during 04 June 2018 to 29 June 2018.

No : DMRL/HRD/2018-BTO-0041
Date : 29-06-2018
Place : Hyderabad

(Dr. Amit Bhattacharjee)
Scientist 'G'
Head, HRD

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

62

Defence Metallurgical Research Laboratory

Defence Research & Development Organisation

Ministry of Defence, Government of India, Hyderabad – 058.
Telephone: 040-24586340, Telefax: 040-24340829, Email: hrd@dmrl.drdo.in

CERTIFICATE

This is to certify that **Mr. Merugu Srikanth, B. Tech. (Mechanical Engineering)** Third Year student of **Bharat Institute of Engineering and Technology, Ibrahimpatnam, R.R. Dist** has undergone **Technical Orientation** in this laboratory during 04 June 2018 to 29 June 2018.

No : DMRL/HRD/2018-BTO-0040
Date : 29-06-2018
Place : Hyderabad

(Dr. Amit Bhattacharjee)
Scientist 'G'
Head, HRD

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist), Telangana-501510

62

62

Defence Metallurgical Research Laboratory

Defence Research & Development Organisation

Ministry of Defence, Government of India, Hyderabad – 058.
Telephone: 040-24586340, Telefax: 040-24340829, Email: hrd@dmrl.drdo.in

CERTIFICATE

This is to certify that **Mr. Mohammed Bakhtiyar Uz Zaman, B. Tech. (Mechanical Engineering)** Third Year student of **Bharat Institute of Engineering and Technology, Ibrahimpatnam, R.R. Dist** has undergone **Technical Orientation** in this laboratory during 04 June 2018 to 29 June 2018.

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

No : DMRL/HRD/2018-BTO-0046
Date : 29-06-2018
Place : Hyderabad

(Dr. Amit Bhattacharjee)
Scientist 'G'
Head, HRD

Defence Metallurgical Research Laboratory

Defence Research & Development Organisation

Ministry of Defence, Government of India, Hyderabad – 058.
Telephone: 040-24586340, Telefax: 040-24340829, Email: hrd@dmrl.drdo.in

CERTIFICATE

This is to certify that **Mr. Munta Madana Gopala Krishna Sai, B. Tech. (Mechanical Engineering)** Third Year student of **Bharat Institute of Engineering and Technology, Ibrahimpatnam, R.R. Dist** has undergone **Technical Orientation** in this laboratory during 04 June 2018 to 29 June 2018.

No : DMRL/HRD/2018-BTO-0043
Date : 29-06-2018
Place : Hyderabad

(Dr. Amit Bhattacharjee)
Scientist G
Head, HRD

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Accredited by NAAC and Accredited by NBA : UG Programmes - CSE, ECE, EEE & Mechanical Recognised by the Govt. of T.S. and Affiliated to JNTUH, Hyderabad.)

Sponsored by : CHINTA REDDY MADHUSUDHAN REDDY EDUCATIONAL SOCIETY

Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy District - 501 510, Telangana. Tel : 08414 - 252399

Ref.: **BIET/2018** **Date: 22/05/2018**

To;
The Manager
DRDL
Hyderabad

Subject: Request for Consent of Student Project Work in the esteemed organization.

Dear Sir,

I hope this letter finds you in good health and high spirits. I am writing on behalf of Bharat Institute of Engineering & Technology to request your esteemed organization's support in providing our students with an opportunity to undertake project work under your guidance.

As part of our academic curriculum, our students are required to gain hands-on experience through industry-oriented projects that enhance their practical knowledge and prepare them for professional challenges. We believe that your organization, being a leader in relevant industry or domain, would provide an excellent platform for our students to apply their theoretical learning to real-world scenarios.

We would be grateful if you could accommodate a group of our students for project/internship work for around 3 or 4 months. We assure you that our students are highly motivated and eager to contribute meaningfully under the supervision of your experts. Additionally, we are open to discussing specific project requirements and any other formalities necessary for a smooth collaboration.

We look forward to a positive response and a fruitful association with your organization. Please let us know a convenient time for further discussions on this matter.

Thank you for your time and consideration.

Yours sincerely,

Principal
BIET

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

INSTITUTE OF ENGINEERING AND TECHNOLOGY
Mangalpally(V)
Ibrahimpatnam
R R District

भारतीय गैर न्यायिक

एक सौ रुपये

Rs. 100

ONE HUNDRED RUPEES

रु. 100

सत्यमेव जयते

भारत INDIA

INDIA NON JUDICIAL

आन्ध्र प्रदेश ANDHRA PRADESH

Date : 08-12-2007 Serial No : 5,075 Denomination : 100

Purchased By :

T. KISHAN
S/O LATE T. BALAJEE
R/O HYD.

For Whom :

CHAIRMAN IDST, C/O DLRL, HYD.

Sub Registrar
Ex.Officio Stamp Vendor
S.R.O. CHAMPAPET

MEMORANDUM OF UNDERSTANDING

Between

INSTITUTE OF DEFENCE SCIENTISTS & TECHNOLOGISTS C/O, DLRL, CGLINES, HYDERABAD- 500005 (hereinafter called IDST).

and

BHARAT INSTITUTE OF ENGINEERING TECHNOLOGY, MANGALPALLY, IBRAHIMPATNAM, R.R.DIST - 501 510 (hereinafter called B.I.E.T)

1.PREAMBLE

Where as IDST is a society of Retired Defence Scientists (Regd No.S/4 5222 of 2003 registered at New Delhi) formed to extend support to DRDO organization on the ongoing scientific and technical projects. It is formed to tap the vast experience and knowledge acquired by the scientists during the course of their service.

Where as B.I.E.T is an accredited engineering institution by NBA, New Delhi engaged in imparting quality education to B.Tech and M.Tech students possessing excellent facilities for Research. B.I.E.T also has experienced faculty well versed in R&D activities.

Where as IDST described the scope of work to BIET and BIET has agreed for the bilateral co-operation for the said research work.

2.SCOPE OF MOU

IDST and B.I.E.T proposed bilateral co-operation in carrying out research work by undertaking a research project sanctioned to IDST by a DRDO Lab. The project envisages investigation on TIME and FREQUENCY DIFFERENCE OF ARRIVAL BASED GEO LOCATION TECHNIQUE FOR COMMUNICATION SIGNAL EMITTERS. The work involves mainly simulation and modeling using software like MATLAB,C,C++ etc.

Details of work and division of responsibilities are given in Annexure to this M.O.U.

3.DURATION OF THE PROJECT

The duration of the project is one year starting from the date of signing this MOU. The project PDC is th Feb 2009.

4.OPERATION AND EXECUTION OF PROJECT

Sri. G. Nagendra Rao, Retd. Scientist and Former Head of Communication Directorate at Defence Electronics Research Laboratory (DLRL) is the representative of the Institute of Defence Scientists and Technologists for execution of this project.

Prof. G. Kumaraswamy Rao and his team will represent B.I.E.T and responsible for the execution of the work.

5.FINANCIAL ARRANGEMENT

An amount of Rs. 2,50,000 (Rupees two lakhs fifty thousand only) towards technical services for this project will be paid to B.I.E.T by IDST in four installments with the payment terms as given below. The release of payments (ii), (iii), (iv) are subject to acceptance by IDST.

(i) 25 % Advance within two months of signing MOU
(ii) 30 % After completion of first stage viz., Time & Frequency Difference of arrival algorithm, processing
(iii) 30 % After completion of second stage viz., Location Fix algorithm, processing
(iv) 15 % After completion of third stage viz., conclusion of the project

The problems of financing during the project should be solved upon mutual agreement.

RNL

6.RESPONSIBILITIES

Scope, division of work and responsibilities are included in annexure to this MOU.

Incase of representatives of IDST and B.I.E.T leave the organization, the Head of IDST and B.I.E.T can nominate the successors, on mutual consent.

Incase B.I.E.T desires to publish a part or full work in national/foreign journal, it should seek permission from DLRL through IDST. If objection is not received by B.I.E.T within 60 days of the request, B.I.E.T is free to publish the work.

The right to terminate the project will rest with both parties on mutual consent

7.ARBITRATION

All disputes arising out during the execution of this contract will be solved by mutual agreement. In case the disputes are not resolved the decision of the Chairman, IDST, Hyderabad branch will be final.

In witness whereof, IDST and B.I.E.T has executed this MOU as of the day and year set forth below.

Agreed by
B.I.E.T

Principal B.I.E.T
Mangalpally,
Ibrahimpatnam
R.R.Dist - 501 510
Date: 13-2-08

Witnesses:

1) G. Kuvaraswamy Rao 13-2-08
2) G. RamMohana Reddy 13-2-08

Agreed by
IDST

RIDL

Chairman IDST
DLRL Campus, C G Lines
Hyderabad -500 005

Date: 13.2.08

Witnesses:

1)
2)

Institute of Defence Scientists & Technologists

(Reg at New Delhi Under Societies Act XXI of 1860-Reg. No. S/4 5222 of 2003)

Hyderabad Branch

DLRL Campus, Chandrayanagutta,

Hyderabad – 500 005

Telefax: 040 – 24440375

E-mail: idst_hyd2008@yahoo.co.in

Date : 05 Nov, 2015

To

Prof G.Kumaraswamy Rao
BIET, R.R. District
HYDERABAD

Sir,

This has reference to the **"Radar EW"** course conducted recently by IDST(H) at BEL, Hyderabad premises. I wish to convey my deep gratefulness to you for the following expert lectures delivered by you at M/s Bharat Electronics Limited, Nacharam, Hyderabad. These talks were very well received by the course participants.

i. Concepts of Radars & LPI Capabilities, Part I & II, on 09th Oct' 2015.
ii. LPI Radar Vs ES Interceptor, on 17th Oct' 2015.

I would be seeking your continued support and guidance in future also for such endours.

(Dr. Harihar Singh)
Chairman, IDST(H)

Institute of Defence Scientists & Technologists

(Reg at New Delhi Under Societies Act XXI of 1860-Reg. No. S/4 5222 of 2003)

Hyderabad Branch

DLRL Campus, Chandrayanagutta,
Hyderabad – 500 005

Telefax: 040 – 24440375 **E-mail: idst_hyd 2008@yahoo.co.in**

Our ref No. IDST/HYD/Proj/09-10

Hyderabad
13th Apr 2009

SUB: GUIDANCE & SUPERVISION OF B. Tech. PROJECTS FOR FINAL YEAR ENGINEERING STUDENTS

Dear Prof Kumaraswamy Rao,

You will be happy to note that IDST Central Council has given its consent to our proposal to extend IDST to services to guide and supervise final year engineering students for projects for the award of B. Tech. Degree. This will facilitate IDST to contribute towards an important facet of engineering education in the country. This will also provide us an opportunity to fulfill a long felt need to highlight DRDO activities and achievements to young engineering graduates and involve many retired scientists(IDST members). into is enclosed main stream activities of IDST. A copy of guidelines for the purpose.

IDST Hyderabad will be approaching various engineering colleges to forward their requirements in respect of projects for final year engineering students for the academic year 2009-2010. IDST in consultation with engineering colleges will work out details regarding disciplines/areas/topics for the project works,number of students they would like to sponsor etc.In light above I request you to give your willingness before 15th May 2009 to undertake above task and provide the updated Bio-data as per the format enclosed. This will help us in creating a pool of scientists for the task before we approach engineering colleges.

I request for your cooperation and active participation to contribute towards quality engineering education in the country. I sincerely hope that you would accord priority for the same.

With warm regards

Encl: 1. Guidelines for IDST
2.Proforma for updated biodata

Yours sincerely

RLSaha

(Dr R.L.Saha)
Chairman

To

Sri G.KUMARASWAMY RAO
9-8-15,Maruthinagar Colony,
Opp. New Santoshnagar Colony,
Hyderabad-500059
e-mail:rao_gksdlrldrdo@yahoo.co.in

DEFENCE RESEARCH & DEVELOPMENT LABORATORY
HYDERABAD - 500 058

Certificate

This is to certify that Mr./~~Ms.~~ VV SAI KIRAN, B.E. / B. Tech. (Mech. Engg.), II/III year, BHARAT INSTITUTE OF ENGINEERING & TECHNOLOGY, HYD. participated in "Internship Programme for B.Tech. (Mech. Engg.) Students" during 08th May - 30th June, 2017 organised by DRDL, Hyderabad-58

Chairman, Internship Programme Committee-2017, DRDL

Director, DRDL

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

Scanned by CamScanner

DEFENCE RESEARCH & DEVELOPMENT LABORATORY
HYDERABAD - 500 058

Certificate

This is to certify that Mr./~~Ms.~~ R. SAI SATHWIK , B.E./B.Tech. (Mech. Engg.), II/III year, BHARAT INSTITUTE OF ENGINEERING & TECHNOLOGY, HYD. participated in "Internship Programme for B.Tech. (Mech. Engg.) Students" during 08th to 30th June 2017 organised by DRDL, Hyderabad-58

Chairman, Internship Programme Committee-2017, DRDL

Director, DRDL

Principal
Bharat Institute of Engg. and Tech.
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

Scanned by CamScanner

DEFENCE RESEARCH & DEVELOPMENT LABORATORY
HYDERABAD - 500 058

Certificate

This is to certify that Mr./~~Ms.~~ P. SUNNY KUMAR, B.E. / B. Tech. (Mech. Engg.), II/III year, BHARAT INSTITUTE OF ENGINEERING & TECHNOLOGY, HYD. participated in "Internship Programme for B.Tech. (Mech. Engg.) Students" during 08th to 30th June 2017 organised by DRDL, Hyderabad-58

Chairman, Internship Programme
Committee-2017, DRDL

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

Scanned by CamScanner

25

DEFENCE RESEARCH & DEVELOPMENT LABORATORY
HYDERABAD - 500 058

Certificate

This is to certify that Mr./~~Ms.~~ P. SAI KIRAN GOUD, B.E. / B. Tech. (Mech Engg.), II/III year, BHARAT INSTITUTE OF ENGINEERING & TECHNOLOGY, HYD. participated in "Internship Programme for B.Tech. (Mech. Engg.) Students" during 08th to 30th June 2017 organised by DRDL, Hyderabad-58

Chairman, Internship Programme Committee-2017, DRDL

Director, DRDL

Principal
Bharat Institute of Engg. and Tech
Mangalpally (Vill.), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

Scanned by CamScanner

DEFENCE RESEARCH & DEVELOPMENT LABORATORY

HYDERABAD - 500 058

Certificate

This is to certify that Mr./~~Ms.~~ A. SRIKANTH, B.E. / B. Tech. (Mech. Engg.), II/III year, BHARAT INSTITUTE OF ENGINEERING & TECHNOLOGY, HYD. participated in "Internship Programme for B.Tech. (Mech. Engg.) Students" during 08th to 30th June, 2017 organised by DRDL, Hyderabad-58

Chairman, Internship Programme Committee-2017, DRDL

Director, DRDL

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

Scanned by CamScanner

रक्षा अनुसंधान एवं विकास प्रयोगशाला
Defence Research and Development Laboratory

DRDL
एस. नरेन्दर
S. NARENDAR
वैज्ञानिक
Scientist

रक्षा अनुसंधान एवं विकास संगठन
Defence Research and Development Organisation
कंचनबाग, हैदराबाद-500 058
Kanchanbagh, Hyderabad-500 058

Date: 02-07-2018

Ref. No.: DRDL/DOFS/2018/Misc.Pro./09

CERTIFICATE

This is to certify that the *industry oriented mini-project work* entitled "Temperature Control on Metallic Airframes using PID controller", submitted by

P. Venkatesh [15E11A0340]

Student of *Bharat Institute of Engineering and Technology*, Hyderabad, in partial fulfillment of the requirement for the award of Bachelor of Technology in Mechanical Engineering, is a record of the bonafide work carried out by him at DRDL, Kanchanbagh during the period 1st June 2018 to 29th June 2018.

His attendance, conduct and performance during the above said period were excellent.

Narendar 02.07.2018

[S. NARENDAR]
Scientist-D
DOFS, DRDL

S. NARENDAR
SCIENTIST 'D'
Defence Research & Development Laboratory
Ministry of Defence, D.R.D.O
Kanchanbagh (P.O.), HYDERABAD-500 058.

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

Scanned by CamScanner

2017-18

PHONE : 040-24583040
24583151
FAX : 040-24583154

GOVERNMENT OF INDIA
MINISTRY OF DEFENCE
DEFENCE RESEARCH &
DEVELOPMENT LAB
KANCHANBAGH P.O
HYDERABAD- 500 058

NO.DRDL/DOHR/Internship/2018 DATED : 12/06/18

CERTIFICATE

This is to certify that Mr./Ms. MOHD IMRAN

Roll No. 15E11A0351 student of BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

has successfully completed a miniproject titled " **A STUDY ON MISSILE TECHNOLOGY AND ITS SUB SYSTEMS**" at Defence Research & Development Laboratory (DRDL) for three weeks during May, 2018 to June, 2018.

This certificate is issued at the request of the student for academic purpose only as part of curriculum for the course of B.E/B.Tech.

(Dr. K. Rajender Rao)
Scientist F
Director, Human Resources
for Director, DRDL

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

Govt. of India
Ministry of Defence
DEFENCE RESEARCH & DEV. ORGN.
DEFENCE RESEARCH & DEV.
LABORATORY
PO: KANCHANBAGH
HYDERABAD – 500 058

Letter .No. DRDL/DOHR/Students/2019 Dated: 8th May 2019

CERTIFICATE

This is to certify that Ms. G. Swetha student of **B.Tech. IV year CSE** (Roll No.15E11A05D3) of **BHARAT Institute of Engineering and Technology**, Mangalpally, Hyderabad has carried out the Project Work entitled **INDUSTRIAL GAS CYLINDERS MANAGEMENT SYSTEM (IGCMS)** during period from **February-2019 to March-2019**; from Defence Research & Development Laboratory (DRDL) Kanchanbagh Hyderabad. She has successfully completed the Project Work under the guidance of **Mr. L. Srinivasa Rao Scientist 'E' Head IMC/DOMR/DRDL.**

During her Project period from **February-2019** to **March-2019**, She was found to be sincere & hard working. During this period of her project work they are punctual and their conduct was found to be impressive.

(Dr. K. NAGESWARA RAO)
Scientist 'G',
Director, Planning & Resources

L Srinivasa Rao
Scientist 'E'
Head IMC
DOMR, DRDL

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam (M)
Ranga Reddy (Dist)-Telangana-501510

Scanned by CamScanner

Govt. of India
Ministry of Defence
DEFENCE RESEARCH & DEV. ORGN.
DEFENCE RESEARCH & DEV.
LABORATORY
PO: KANCHANBAGH
HYDERABAD – 500 058

Letter .No. DRDL/DOHR/Students/2019

Dated: 8th May 2019

CERTIFICATE

This is to certify that Ms. P. Gouthami student of B.Tech. IV year CSE (Roll No.15E11A05G9) of BHARAT Institute of Engineering and Technology, Mangalpally, Hyderabad has carried out the Project Work entitled INDUSTRIAL GAS CYLINDERS MANAGEMENT SYSTEM (IGCMS) during period from February-2019 to March-2019, from Defence Research & Development Laboratory (DRDL) Kanchanbagh Hyderabad. She has successfully completed the Project Work under the guidance of Mr. L. Srinivasa Rao Scientist 'E' Head IMC/DOMR/DRDL.

During her Project period from February-2019 to March-2019, She was found to be sincere & hard working. During this period of her project work they are punctual and their conduct was found to be impressive.

(Dr. K. NAGESWARA RAO)
Scientist 'G',
Director, Planning & Resources

L Srinivasa Rao
Scientist 'E'
Head IMC
DOMR, DRDL

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M),
Ranga Reddy (Dist)-Telangana-501510

Govt. of India
Ministry of Defence
DEFENCE RESEARCH & DEV. ORGN.
DEFENCE RESEARCH & DEV.
LABORATORY
PO: KANCHANBAGH
HYDERABAD – 500 058

Letter .No. DRDL/DOHR/Students/2019 Dated: 8th May 2019

CERTIFICATE

This is to certify that Ms. C. Ashwini Reddy student of **B.Tech. IV year CSE** (Roll No.15E11A05C6) of **BHARAT Institute of Engineering and Technology**, Mangalpally, Hyderabad has carried out the Project Work entitled **INDUSTRIAL GAS CYLINDERS MANAGEMENT SYSTEM (IGCMS)** during period from **February-2019 to March-2019**; from Defence Research & Development Laboratory (DRDL) Kanchanbagh Hyderabad. She has successfully completed the Project Work under the guidance of **Mr. L. Srinivasa Rao Scientist 'E' Head IMC/DOMR/DRDL.**

During her Project period from **February-2019** to **March-2019**, She was found to be sincere & hard working. During this period of her project work they are punctual and their conduct was found to be impressive.

(Dr. K. NAGESWARA RAO)
Scientist 'G',
Director, Planning & Resources

L. Srinivasa Rao
Scientist 'E'
Head IMC
DOMR, DRDL

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist), Telangana 501510

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Accredited by NAAC and Accredited by NBA : UG Programmes - CSE, ECE, EEE & Mechanical Recognised by the Govt. of T.S. and Affiliated to JNTUH, Hyderabad.)

Sponsored by : CHINTA REDDY MADHUSUDHAN REDDY EDUCATIONAL SOCIETY

Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy District - 501 510, Telangana. Tel : 08414 - 252399

Ref.: **BIET/2018**

Date: 22/05/2018

To;
The Manager
DRDO
Hyderabad

Subject: Request for Consent of Student Project Work in the esteemed organization.

Dear Sir,

I hope this letter finds you in good health and high spirits. I am writing on behalf of Bharat Institute of Engineering & Technology to request your esteemed organization's support in providing our students with an opportunity to undertake project work under your guidance.

As part of our academic curriculum, our students are required to gain hands-on experience through industry-oriented projects that enhance their practical knowledge and prepare them for professional challenges. We believe that your organization, being a leader in relevant industry or domain, would provide an excellent platform for our students to apply their theoretical learning to real-world scenarios.

We would be grateful if you could accommodate a group of our students for project/internship work for around 3 or 4 months. We assure you that our students are highly motivated and eager to contribute meaningfully under the supervision of your experts. Additionally, we are open to discussing specific project requirements and any other formalities necessary for a smooth collaboration.

We look forward to a positive response and a fruitful association with your organization. Please let us know a convenient time for further discussions on this matter.

Thank you for your time and consideration.

Yours sincerely,

Vattharababu

Principal
BIET

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

INSTITUTE OF ENGINEERING AND TECHNOLOGY
Mangalpally(V), Ibrahimpatnam, R R District

भारतीय गैर न्यायिक

एक सौ रुपये

Rs. 100

ONE HUNDRED RUPEES

रु. 100

सत्यमेव जयते

भारत INDIA

INDIA NON JUDICIAL

आन्ध्र प्रदेश ANDHRA PRADESH

Date : 08-12-2007 Serial No : 5,075 Denomination : 100

Purchased By :

T. KISHAN
S/O LATE T. BALAJEE
R/O HYD.

For Whom :

CHAIRMAN IDST, C/O DLRL, HYD.

Sub Registrar
Ex.Officio Stamp Vendor
S.R.O. CHAMPAPET

MEMORANDUM OF UNDERSTANDING

Between

INSTITUTE OF DEFENCE SCIENTISTS & TECHNOLOGISTS C/O, DLRL, CGLINES, HYDERABAD- 500005 (hereinafter called IDST).

and

BHARAT INSTITUTE OF ENGINEERING TECHNOLOGY, MANGALPALLY, IBRAHIMPATNAM, R.R.DIST - 501 510 (hereinafter called B.I.E.T)

1.PREAMBLE

Where as IDST is a society of Retired Defence Scientists (Regd No.S/4 5222 of 2003 registered at New Delhi) formed to extend support to DRDO organization on the ongoing scientific and technical projects. It is formed to tap the vast experience and knowledge acquired by the scientists during the course of their service.

Where as B.I.E.T is an accredited engineering institution by NBA, New Delhi engaged in imparting quality education to B.Tech and M.Tech students possessing excellent facilities for Research. B.I.E.T also has experienced faculty well versed in R&D activities.

Where as IDST described the scope of work to BIET and BIET has agreed for the bilateral co-operation for the said research work.

2.SCOPE OF MOU

IDST and B.I.E.T proposed bilateral co-operation in carrying out research work by undertaking a research project sanctioned to IDST by a DRDO Lab. The project envisages investigation on TIME and FREQUENCY DIFFERENCE OF ARRIVAL BASED GEO LOCATION TECHNIQUE FOR COMMUNICATION SIGNAL EMITTERS. The work involves mainly simulation and modeling using software like MATLAB,C,C++ etc.

Details of work and division of responsibilities are given in Annexure to this M.O.U.

3.DURATION OF THE PROJECT

The duration of the project is one year starting from the date of signing this MOU. The project PDC is th Feb 2009.

4.OPERATION AND EXECUTION OF PROJECT

Sri. G. Nagendra Rao, Retd. Scientist and Former Head of Communication Directorate at Defence Electronics Research Laboratory (DLRL) is the representative of the Institute of Defence Scientists and Technologists for execution of this project.

Prof. G. Kumaraswamy Rao and his team will represent B.I.E.T and responsible for the execution of the work.

5.FINANCIAL ARRANGEMENT

An amount of Rs. 2,50,000 (Rupees two lakhs fifty thousand only) towards technical services for this project will be paid to B.I.E.T by IDST in four installments with the payment terms as given below. The release of payments (ii), (iii), (iv) are subject to acceptance by IDST.

(i) 25 % Advance within two months of signing MOU
(ii) 30 % After completion of first stage viz., Time & Frequency Difference of arrival algorithm, processing
(iii) 30 % After completion of second stage viz., Location Fix algorithm, processing
(iv) 15 % After completion of third stage viz., conclusion of the project

The problems of financing during the project should be solved upon mutual agreement.

RNL

6.RESPONSIBILITIES

Scope, division of work and responsibilities are included in annexure to this MOU.

Incase of representatives of IDST and B.I.E.T leave the organization, the Head of IDST and B.I.E.T can nominate the successors, on mutual consent.

Incase B.I.E.T desires to publish a part or full work in national/foreign journal, it should seek permission from DLRL through IDST. If objection is not received by B.I.E.T within 60 days of the request, B.I.E.T is free to publish the work.

The right to terminate the project will rest with both parties on mutual consent

7.ARBITRATION

All disputes arising out during the execution of this contract will be solved by mutual agreement. In case the disputes are not resolved the decision of the Chairman, IDST, Hyderabad branch will be final.

In witness whereof, IDST and B.I.E.T has executed this MOU as of the day and year set forth below.

Agreed by
B.I.E.T

Principal B.I.E.T
Mangalpally,
Ibrahimpatnam
R.R.Dist - 501 510
Date: 13-2-08

Witnesses:

1) G. Kuvaraswamy Rao 13-2-08
2) G. RamMohana Reddy 13-2-08

Agreed by
IDST

RIDL

Chairman IDST
DLRL Campus, C G Lines
Hyderabad -500 005

Date: 13.2.08

Witnesses:

1)
2)

Institute of Defence Scientists & Technologists

(Reg at New Delhi Under Societies Act XXI of 1860-Reg. No. S/4 5222 of 2003)

Hyderabad Branch

DLRL Campus, Chandrayanagutta,

Hyderabad – 500 005

Telefax: 040 – 24440375

E-mail: idst_hyd2008@yahoo.co.in

Date : 05 Nov, 2015

To

Prof G.Kumaraswamy Rao
BIET, R.R. District
HYDERABAD

Sir,

This has reference to the **"Radar EW"** course conducted recently by IDST(H) at BEL, Hyderabad premises. I wish to convey my deep gratefulness to you for the following expert lectures delivered by you at M/s Bharat Electronics Limited, Nacharam, Hyderabad. These talks were very well received by the course participants.

i. Concepts of Radars & LPI Capabilities, Part I & II, on 09th Oct' 2015.
ii. LPI Radar Vs ES Interceptor, on 17th Oct' 2015.

I would be seeking your continued support and guidance in future also for such endours.

(Dr. Harihar Singh)
Chairman, IDST(H)

Institute of Defence Scientists & Technologists

(Reg at New Delhi Under Societies Act XXI of 1860-Reg. No. S/4 5222 of 2003)

Hyderabad Branch

DLRL Campus, Chandrayanagutta,
Hyderabad – 500 005

Telefax: 040 – 24440375 **E-mail: idst_hyd 2008@yahoo.co.in**

Our ref No. IDST/HYD/Proj/09-10

Hyderabad
13th Apr 2009

SUB: GUIDANCE & SUPERVISION OF B. Tech. PROJECTS FOR FINAL YEAR ENGINEERING STUDENTS

Dear Prof Kumaraswamy Rao,

You will be happy to note that IDST Central Council has given its consent to our proposal to extend IDST to services to guide and supervise final year engineering students for projects for the award of B. Tech. Degree. This will facilitate IDST to contribute towards an important facet of engineering education in the country. This will also provide us an opportunity to fulfill a long felt need to highlight DRDO activities and achievements to young engineering graduates and involve many retired scientists(IDST members). into is enclosed main stream activities of IDST. A copy of guidelines for the purpose.

IDST Hyderabad will be approaching various engineering colleges to forward their requirements in respect of projects for final year engineering students for the academic year 2009-2010. IDST in consultation with engineering colleges will work out details regarding disciplines/areas/topics for the project works,number of students they would like to sponsor etc.In light above I request you to give your willingness before 15th May 2009 to undertake above task and provide the updated Bio-data as per the format enclosed. This will help us in creating a pool of scientists for the task before we approach engineering colleges.

I request for your cooperation and active participation to contribute towards quality engineering education in the country. I sincerely hope that you would accord priority for the same.

With warm regards

Encl: 1. Guidelines for IDST
2.Proforma for updated biodata

Yours sincerely

RLSaha

(Dr R.L.Saha)
Chairman

To

Sri G.KUMARASWAMY RAO
9-8-15,Maruthinagar Colony,
Opp. New Santoshnagar Colony,
Hyderabad-500059
e-mail:rao_gksdlrldrdo@yahoo.co.in

39
40
41

GOVERNMENT OF INDIA
RESEARCH CENTRE IMARAT
DRDO, Ministry of Defence
Vignyanakancha P.O.
HYDERABAD-500 069
Tel: 040-24306024
Fax: 040-24306025

No: RCI/DRSS/ADS/STUD/17-18

Date: 03.04.2018

CERTIFICATE

This is to certify that following students of Bharat Institute of Engineering and Technology have completed their Major Project Work towards partial fulfilment of the award of B. Tech degree at Research Centre Imarath (RCI), Defence Research & Development Organization, Hyderabad, during 18.01.2018 to 03.04.2018.

Students details:

Sl No	Roll No	Student Name	Father's Name	Year
1	14E11A04A3	P. Keerthi Priya	P. Parasuram Choudary	IV Year
2	14E11A04A4	Purally. Anusha	P. Venkat Reddy	IV Year
3	14E11A04A6	S. Navaneetha	S. Venkatesh	IV Year

Project work details: Getting acquainted with the Electromagnetic software, CST Microwave Studio and design of rectangular patch antenna at various bands.

During their tenure at RCI, their conduct was good. We wish them all the best in their future.

Yogesh K. Verma Sc 'F'
Division Head ADS & SSM & S
DRSS/RCI

Principal
Bharat Institute of Engg. and Tech.
Mangalpally (V), Ibrahimpatnam (M)

योगेश कु. वर्मा, वैज्ञा. 'एफ'/YOGESH K.VERMA, Sc
प्रधान, ए डि एस एवं एस एस एस एवं एस विभाग/Hd. ADS.
Head, ADS & SSM & S Division/DRSS
अनुसंधान केन्द्र इमारत/Research Centre Imarat (RCI)
डॉ ए पी जे अब्दुल कलाम मिसाइल कॉम्प्लेक्स/Dr APJ Abdul Kalam Missile Comp
डी आर डी ओ, रक्षा मंत्रालय, भारत सरकार/
DRDO, Min. of Defence, Govt. of India

42
43

आर सी आई

JOITA MUKHERJEE, Scientist-'F'
RADAR AND ANTENNA DIVISION SYSTEM
DRFS BLOCK

RESEARCH CENTRE IMARAT
MINISTRY OF DEFENCE
P.O.-VIGNYANA KANCHA
HYDERABAD-500 0069
☎ Tel: 040-24306060
🖷 Fax: 040-24305035

DATE: 05-04-2018.

CERTIFICATE

This is to certify that the major project entitled **"Electromagnetic Characterization of Radome Materials and Design of Hemispherical Radome "**is a record of work carried out by**PrasanjitGhosh,M.NaveenKumar,B.Srinivas,K.Rajender(ROLL NO:14E11A04C0,14E11A04B4,14E11A04D0,15E15A0402)**,in partial fulfillment of requirement for the award of degree of **Bachelor of Technology in Electronics and Communication Engineering** of **"BHARAT INSTITUTION OF ENGINEERING AND TECHNOLOGY", IBHRAHIMPATNAM.** Under the guidance & supervision of **JOITA MUKHERJEE, Scientist 'F'** at Directorate of Research Centre Imarat, Hyderabad during the period from 20th January 2018 to 2nd April 2018. His attendance and performance during the tenure was satisfactory.

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

(JOITA MUKHERJEE)
Scientist 'F'
RCI, DRDO, Hyderabad

JOITA MUKHERJEE, Sc.'F'
Dte. of Radar Seekers & Systems
Research Centre Imarat
Dr. A.P.J. Abdul Kalam Missile Complex
HYDERABAD-500 069.

Ministry of Defence,
Defence Research & Development Organisation,
Research Centre Imarat,
Dr. APJ Abdul Kalam missile complex,
Vignyanakancha PO,
Hyderabad- 500 069.

Date:23-03-2018

CERTIFICATE

This is to certify that the project entitled **"Solid State Digital power Controller"** is a bonfide work carried out by the following students of **Bharat Institute of Engineering and Technology, Mangalpalli (V),Ibrahimpatnam (M), R.R.Dist, Hyderabad - 501 510.**

NAME OF THE STUDENT	ROLL NUMBER
G.Srikanth	**14E11A04D1**

The above Students have carried the project during the period 15-01-2018 to 02-04-2018 .

Their conduct during this period was found to be satisfactory.

Bharat Institute of Engineering & Technology ★ Mangalpalli (V), IBP R.R. Dist. A.P. ★

External Project Guide
(A.Srinivas Murty)
Scientist 'F'
SINT(E),RCI
(DRDO), Hyderabad.

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

Ministry of Defence,
Defence Research & Development
Organisation,
Research Centre Imarat,
Dr. APJ Abdul Kalam missile complex,
Vignyanakancha PO,
Hyderabad- 500 069.

Date:23-03-2018

CERTIFICATE

This is to certify that the project entitled **"Solid State Digital power Controller"** is a bonfide work carried out by the following students of **Bharat Institute of Engineering and Technology, Mangalpalli (V),Ibrahimpatnam (M), R.R.Dist, Hyderabad - 501 510.**

NAME OF THE STUDENT	ROLL NUMBER
K.Amar	14E11A04B1

The above Students have carried the project during the period 15-01-2018 to 02-04-2018 .

Their conduct during this period was found to be satisfactory.

External Project Guide
(A.Srinivas Murty)
Scientist 'F'
SINT(E),RCI
(DRDO), Hyderabad.

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501 510

Ministry of Defence,
Defence Research & Development Organisation,
Research Centre Imarat,
Dr. APJ Abdul Kalam missile complex,
Vignyanakancha PO,
Hyderabad- 500 069.

Date:23-03-2018

CERTIFICATE

This is to certify that the project entitled **"Solid State Digital power Controller"** is a bonfide work carried out by the following students of **Bharat Institute of Engineering and Technology, Mangalpalli (V),Ibrahimpatnam (M), R.R.Dist, Hyderabad - 501 510.**

NAME OF THE STUDENT	ROLL NUMBER
G.Harish Reddy	14E11A04C9

The above Students have carried the project during the period 15-01-2018 to 02-04-2018.

Their conduct during this period was found to be satisfactory.

External Project Guide
(A.Srinivas Murty)
Scientist 'F'
SINT(E),RCI
(DRDO), Hyderabad.

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist.)

49

GOVERNMENT OF INDIA
RESEARCH CENTRE IMARAT
Dr. APJ Abdul Kalam Missile Complex
DRDO, Ministry of Defence
Vignyanakancha P.O
HYDERABAD - 500 069

Tel: 040 - 24306124/24307000
Fax: 040 - 24306626

ISO 9001:2008 Lab
आर सी आई

ISO 9001 REGISTERED
DNV
MGMT. SYS. RvA C024

RCI/DNEC/PROJ/18/01 8 August 2018

CERTIFICATE

This is to certify that **Ms. P. SNEHA (Roll No: 15E11A05L3)** from **BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY, R.R. Dist** has successfully completed her Internship Training in partial fulfillment of the requirements for the award of the degree of B.Tech **4th Year 1st Semester** in **Computer Science Engineering (CSE)** on **"SOCKET PROGRAMMING"** from 27th June 2018 to 08th August 2018 at **DIRECTORATE OF NAVIGATION & EMBEDDED COMPUTERS, Research Centre Imarat.** Her performance was good and I wish her success for future endeavors.

RCI

(KETAN KUMAR NAGLE)
Sc 'B'
DNEC-RCI

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

GOVERNMENT OF INDIA
RESEARCH CENTRE IMARAT
Dr. APJ Abdul Kalam Missile Complex
DRDO, Ministry of Defence
Vignyanakancha P.O
HYDERABAD – 500 069

Tel: 040 - 24306124/24307000
Fax: 040 - 24306626

RCI/DNEC/PROJ/18/01

8 August 2018

CERTIFICATE

This is to certify that **Ms. M. HARINI (Roll No: 15E11A05K1)** from **BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY, R.R. Dist** has successfully completed her Internship Training in partial fulfillment of the requirements for the award of the degree of B.Tech **4th Year 1st Semester** in **Computer Science Engineering (CSE)** on **"SOCKET PROGRAMMING"** from 27th June 2018 to 08th August 2018 at **DIRECTORATE OF NAVIGATION & EMBEDDED COMPUTERS, Research Centre Imarat.** Her performance was good and I wish her success for future endeavors.

(KETAN KUMAR NAGLE)
Sc 'B'
DNEC-RCI

https://mail.google.com/mail/u/0/?tab=rm&ogbl#sent/QgrcJHrhtjcnDpFpcpbXggGTfDNsxpJMLn… 1/2

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

NO.RCI/HRD/Pro_Std/B.Tech/2019/73
Government of India, Ministry of Defence
Defence Research & Development Org (DRDO)
RESEARCH CENTRE IMARAT
Dr APJ Abdul Kalam Missile Complex
Vignyana Kancha, Hyderabad – 500 069
Phone No: 24306635/24306384
Fax No : 24306014

To
The Head,
Bharat Institute of Engineering And Technology.
Hyderabad

Dated: 17th June, 2019.

Sub: Permission for undergoing B. Tech project work at RCI
Ref: Letter No. BIET/ME/IOMP/3A/RCI/9/2019 Dated: 21.05.2019.

With reference to the letter cited above, Director has permitted the following B. Tech students of your college to undergo Project work at RCI for a period of **17th June, 2019 – 28th July, 2019.**

1. M. Joshi	**HT No: 16E11A0302**
2. T. kasi Varaprasad Rao	**HT No: 16E11A0307**
3. D. Sharat Chandra	**HT No: 16E11A0329**
4. M. Tarun Kumar	**HT No: 16E11A0336**

You are requested to advice the above student to comply with the following

- Strictly adhere with the discipline of RCI
- To bring police verification certificate along with four copies of passport size color photographs.

AV Maruti Sairam
Sc 'E' & OiC, HRD

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist), Telangana-501510

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Accredited by NAAC and Accredited by NBA : UG Programmes - CSE, ECE, EEE & Mechanical
Recognised by the Govt. of T.S. and Affiliated to JNTUH, Hyderabad.)
Sponsored by : CHINTA REDDY MADHUSUDHAN REDDY EDUCATIONAL SOCIETY
Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy District - 501 510, Telangana. Tel : 08414 - 252399

Ref.:
BIET/2018

Date: 22/05/2018

To;
The Manager
ECIL
Hyderabad

Subject: Request for Consent of Student Project Work in the esteemed organization.

Dear Sir,

I hope this letter finds you in good health and high spirits. I am writing on behalf of Bharat Institute of Engineering & Technology to request your esteemed organization's support in providing our students with an opportunity to undertake project work under your guidance.

As part of our academic curriculum, our students are required to gain hands-on experience through industry-oriented projects that enhance their practical knowledge and prepare them for professional challenges. We believe that your organization, being a leader in relevant industry or domain, would provide an excellent platform for our students to apply their theoretical learning to real-world scenarios.

We would be grateful if you could accommodate a group of our students for project/internship work for around 3 or 4 months. We assure you that our students are highly motivated and eager to contribute meaningfully under the supervision of your experts. Additionally, we are open to discussing specific project requirements and any other formalities necessary for a smooth collaboration.

We look forward to a positive response and a fruitful association with your organization. Please let us know a convenient time for further discussions on this matter.

Thank you for your time and consideration.

Yours sincerely,

Principal
BIET

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

INSTITUTE OF ENGINEERING AND TECHNOLOGY
Mangalpally(V)
Ibrahimpatnam
R. R. District
E1

इलेक्ट्रानिक्स कारपोरेशन आफ इण्डिया लिमिटेड
Electronics Corporation of India Limited
CIN U32100TG1967GOI001149
(भारत सरकार का उद्यम) / (A Govt. of India Enterprise)
कम्प्यूटर शिक्षा प्रभाग / COMPUTER EDUCATION DIVISION

ECIL
ISO 9001:2008

005469

PROJECT / INTERNSHIP COMPLETION CERTIFICATE

Date: 09/10/2019

This is to certify that **Ms. K. RAMYA SREE** bearing **Reg.No:16E11A04F8** a student of **BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY, MANGALPALLY** pursuing the Degree of **B.Tech.,** in Electronics and Communication Engineering, has carried out Project work / Internship titled **"RFID BASED ATTENDANCE SYSTEM"** in **"EMBEDDEDSYSTEMS"** under our guidance during the period from **27/06/2019** to **26/07/2019** in partial fulfillment of the requirements for the award of the above mentioned Degree. The student is punctual, hardworking and shown keen interest to produce the project output and results.

SRIDHARA SHETTY
AGM, CED

SRIDHARA SHETTY
AGM, CED
ECIL, HYDERABAD-500 062

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

अतिथि गृह कॉम्प्लेक्स, ई सी आई एल, हैदराबाद, तेलंगाना, भारत
Guest House Complex, ECIL, Hyderabad - 500 062, T.S., INDIA
दूरभाष / Tel: 2712 5884, 2712 2818, टेली फैक्स / Tele Fax : +91-040-2712
वेब साइट / Web Site : www.ecil.co.in, ई-मेल / E-mail : headced@ecil.co.in

इलेक्ट्रानिक्स कारपोरेशन आफ इण्डिया लिमिटेड
Electronics Corporation of India Limited
CIN U32100TG1967GOI001149
(भारत सरकार का उद्यम) / (A Govt. of India Enterprise)
कम्प्यूटर शिक्षा प्रभाग / COMPUTER EDUCATION DIVISION

ECIT
ISO 9001:2008

003452

PROJECT / INTERNSHIP COMPLETION CERTIFICATE

Date: 16/07/2019

This is to certify that Ms. V. LAKSHMI MANASA bearing Reg.No:16E11A04A6 a student of BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY, HYDERABAD pursuing the Degree of B.Tech., in Electronics and Communication Engineering, has carried out Project work / Internship titled "RAIN SENSOR INTERFACING WITH 8051" in "EMBEDDED SYSTEMS" under our guidance during the period from 17/06/2019 to 16/07/2019 in partial fulfillment of the requirements for the award of the above mentioned Degree. The student is punctual, hardworking and shown keen interest to produce the project output and results.

SRIDHARA SHETTY
AGM CED
SRIDHARA SHETTY
AGM, CED
ECIL, HYDERABAD-500 062

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

अतिथि गृह कामप्लेक्स, ई सी आई एल, हैदराबाद, तेलंगाना, भारत
Guest House Complex, ECIL, Hyderabad - 500 062, T.S., INDIA
दूरभाष / Tel. 27[illegible] टेली फैक्स / Tele Fax : +91-040-[illegible]
वेब साइट / [illegible] ई-मेल / E-mail : headced@ecil[illegible]

इलेक्ट्रानिक्स कारपोरेशन आफ इंडिया लिमिटेड
Electronics Corporation of India Limited
CIN U32106TG1967GOI001149
(भारत सरकार का उद्यम) | (A Govt. of India Enterprise)
कम्प्यूटर शिक्षा प्रभाग | COMPUTER EDUCATION DIVISION

ECIL
ISO 9001:2008

001695

PROJECT / INTERNSHIP COMPLETION CERTIFICATE

Date: 04/07/2019

This is to certify that **Ms. CH. SOWMYA** bearing **Reg.No:16E11A04D6** a student of **BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY, MANGALPALLY** pursuing the Degree of B.Tech., in Electronics and Communication Engineering, has carried out Project work / Internship titled **"HOME AUTOMATION USING IR SENSORS"** in **"EMBEDDEDSYSTEMS"** under our Guidance during the period from **03/06/2019** to **02/07/2019** in partial fulfilment of the requirements for the award of the above mentioned Degree. The student is punctual, hardworking and shown keen interest to produce the project output and results.

SRIDHARA SHETTY
AGM: CED

SRIDHARA SHETTY
AGM: CED

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist.), Telangana

Bharat Institute of Engineering & Technology ★ Mangalpally (V), Ibp R.R. Dist. AP ★

इलेक्ट्रानिक्स कारपोरेशन आफ इण्डिया लिमिटेड
Electronics Corporation of India Limited
CIN U32100TG1967GOI001149
(भारत सरकार का उद्यम) / (A Govt. of India Enterprise)
कम्प्यूटर शिक्षा प्रभाग / COMPUTER EDUCATION DIVISION
ECIT
ISO 9001:2008

PROJECT/INTERNSHIP COMPLETION CERTIFICATE

Date: 18/07/2018

This is to certify that **Mr. KARNATI VENKAT SANTHOSH, Reg. No: 15E11A1215, Mr. POLA VIVEK, Reg. No: 15E11A1229, Mr. NAKKALA SRINIVAS GOUD, Reg. No: 15E11A1225, Mr. SUDARASANAM SAI VAIBHAV, Reg. No: 15E11A1235 & Mr. NAKKA YUVARAJ, Reg. No: 15E11A1226** are the students of **BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY, IBRAHIMPATNAM**, pursuing the Degree of **B.TECH.**, in **INFORMATION TECHNOLOGY** have undergone Project work / internship titled **"ONLINE PAYMENT OF MUNICIPAL TAXES AND MAINTENANCE SYSTEM"** in **"ANDROID"** under our guidance during the period from **19-06-2018** to **18-07-2018** in partial fulfillment of the requirements for the award of the above mentioned Degree. The students are punctual, hardworking and shown keen interest to produce the project output and results.

SRIDHARA SHETTY
INCHARGE, CED

SRIDHARA SHETTY
Incharge, CED,
ECIL, HYDERABAD-500 062

Bharat Institute of Engg. and Tech.
Mangalpally(V), Ibrahimpatnam
Ranga Reddy (Dist)-Telangana-501

अतिथि गृह काम्प्लेकस, ई सी आई एल, हैदराबाद, तेलंगाण, भारत.
Guest House Complex, ECIL, Hyderabad - 500 062. T.S., INDIA.
दूरभाष / Tel. 2712 5864, 2712 2816, टेली फैक्स / Tele Fax : +91-040-2712 6017
वेब साइट / Web Site : www.ecil.co.in, ई-मेल / E-mail : headced@ecil.co.in

इलेक्ट्रानिक्स कारपोरेशन आफ इण्डिया लिमिटेड
Electronics Corporation of India Limited
CIN U32100TG1967GOI001149
(भारत सरकार का उद्यम) / (A Govt. of India Enterprise)
कम्प्यूटर शिक्षा प्रभाग / COMPUTER EDUCATION DIVISION
ECIL
ISO 9001:2008

PROJECT COMPLETION CERTIFICATE

Date: 26/03/2018

This is to certify that Mr. ANGALI KIRAN REDDY bearing Reg.No: 14E11A0421, a student of BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY, HYDERABAD, pursuing the Degree of B.Tech., in Electronics and Communication Engineering, has undergone Project work titled "IMPLEMENTATION OF CONVOLUTION ENCODER AND VITERBI DECODER" in VLSI under our guidance during the period from January 25, 2018 to February 23, 2018 in partial fulfillment of the requirements for the award of the above mentioned Degree. The student is punctual, hard working and shown keen interest to produce the project output and results.

V.S.SEKHAR BABU

INCHARGE: CED
S. SEKHAR BABU
CHARGE, CED, ECIL
DERABAD-500 062.

Principal
Bharat Institute of Engg. and Tech
Mangalpally (V), Ibrahimpatnam
Ranga Reddy (Dist)-501 510

इलेक्ट्रानिक्स कारपोरेशन आफ इण्डिया लिमिटेड
Electronics Corporation of India Limited
CIN U32100TG1967GOI001149
(भारत सरकार का उद्यम) / (A Govt. of India Enterprise)
कम्प्यूटर शिक्षा प्रभाग / COMPUTER EDUCATION DIVISION

ECIT
ISO 9001:2008

PROJECT COMPLETION CERTIFICATE

Date: 07/04/2018

This is to certify that Mr. B. BHARATH GOUD Reg.No:14E11A0423, Mr. M. VIKRAM KUMAR Reg.No: 14E11A0439, Mr. P. VISHAL Reg.No:14E11A04B9 and Mr. K. VINEETH REDDY Reg.No:14E11A0433 are the students of BHARAT INSTITUTE OF ENGINEERING & TECHNOLOGY, Ibrahimpatnam pursuing the Degree of B.Tech., in Electronics and Communication Engineering, have undergone Project work titled **"ARM7 BASED MOBILE OPERATED LAND ROVER"** in **"EMBEDDED SYSTEMS"** under our guidance during the period from 10/01/2018 to 09/02/2018 in partial fulfillment of the requirements for the award of the above mentioned Degree. The students are punctual, hardworking and shown keen interest to produce the project output and results.

N.S.SEKHAR BABU
INCHARGE: CED

N.S. SEKHAR BABU
INCHARGE, CED, ECIL
HYDERABAD-500 062.

अतिथि गृह काम्प्लेक्स, ई सी आई एल, हैदराबाद, तेलंगाण, भारत.
Guest House Complex, ECIL, Hyderabad - 500 062, T.S., INDIA.
दूरभाष / Tel. 2712 5864, 2712 2816, टेली फैक्स / Tele Fax : +91-040-2712 6017
वेब साइट / Web Site : www.ecil.co.in, ई-मेल / E-mail : headced@ecil.co.in

Scanned by CamScanner

इलेक्ट्रानिक्स कारपोरेशन आफ इण्डिया लिमिटेड
Electronics Corporation of India Limited
CIN U32100TG1967GOI001149
(भारत सरकार का उद्यम) / (A Govt. of India Enterprise)
कम्प्यूटर शिक्षा प्रभाग / COMPUTER EDUCATION DIVISION
ECIT
ISO 9001:2008

PROJECT COMPLETION CERTIFICATE

Date: 06/04/2018

This is to certify that Ms. K. SWARNA REDDY bearing Reg.No: 14E11A0497 a student of BHARAT INSTITUTE OF ENGINEERING & TECHNOLOGY, Ibrahimpatnam pursuing the Degree of B.Tech., in Electronics and Communication Engineering, has undergone Project work titled "IOT BASED SMART HEALTHCARE SYSTEM" in "EMBEDDED SYSTEMS" under our guidance during the period from 10/01/2018 to 09/02/2018 in partial fulfillment of the requirements for the award of the above mentioned Degree. The student is punctual, hardworking and shown keen interest to produce the project output and results.

N.S.SEKHAR BABU
INCHARGE: CED

Principal
Bharat Institute of Engg and Tech
Mangalpally(V), Ibrahimpatnam
Ranga Reddy (Dist.) T.S.

N.S. SEKHAR BABU
INCHARGE, CED, ECIL
HYDERABAD-500 062.

Scanned by CamScanner

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Accredited by NAAC and Accredited by NBA : UG Programmes - CSE, ECE, EEE & Mechanical
Recognised by the Govt. of T.S. and Affiliated to JNTUH, Hyderabad.)
Sponsored by : CHINTA REDDY MADHUSUDHAN REDDY EDUCATIONAL SOCIETY
Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy District - 501 510, Telangana. Tel : 08414 - 252399

Ref.:
BIET/2018

Date: 22/05/2018

To;
The Manager
GHMC
Hyderabad

Subject: Request for Consent of Student Project Work in the esteemed organization.

Dear Sir,

I hope this letter finds you in good health and high spirits. I am writing on behalf of Bharat Institute of Engineering & Technology to request your esteemed organization's support in providing our students with an opportunity to undertake project work under your guidance.

As part of our academic curriculum, our students are required to gain hands-on experience through industry-oriented projects that enhance their practical knowledge and prepare them for professional challenges. We believe that your organization, being a leader in relevant industry or domain, would provide an excellent platform for our students to apply their theoretical learning to real-world scenarios.

We would be grateful if you could accommodate a group of our students for project/internship work for around 3 or 4 months. We assure you that our students are highly motivated and eager to contribute meaningfully under the supervision of your experts. Additionally, we are open to discussing specific project requirements and any other formalities necessary for a smooth collaboration.

We look forward to a positive response and a fruitful association with your organization. Please let us know a convenient time for further discussions on this matter.

Thank you for your time and consideration.

Yours sincerely,

Vattharababu

Principal
BIET

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

INSTITUTE OF ENGINEERING AND TECHNOLOGY
Mangalpally(V)
Ibrahimpatnam
R R District

GOVERNMENT OF TELANGANA

CERTIFICATE

This is to certify that Kum.CHALL DEVI – 16E11A0112 of Bharath Institute of Engineering & Technology, Ib m pursuing final year B.Tech in Civil Engineer have successfully complete SHIP" in Rajendranagar Circle, GHMC from 14-06-2019 to 06-07-2019 vide P /EE/RJNR-XI/GHMC/2019-20, Dt: 13-06-2019.

Executive Engineer
RJNR & XI, CRZ, GHMC
Rajendranagar Circle, GHMC

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M),
Ranga Reddy (Dist)-Telangana-501510

GOVERNMENT OF TELANGANA

CERTIFICATE

This is to certify that SRI. TELGAMALLA MALLIKHARJUN –15E11A0146 of Bharath Institute of Engineering & Technology, Ibrahimpatnam pursuing final year B.Tech in Civil Engineer have successfully completed "INTERNSHIP" in Rajendranagar Circle, GHMC from 14-06-2019 to 06-07-2019 vide Proc.No. 56/EE/RJNR-XI/GHMC/2019-20, Dt: 13-06-2019.

Executive Engineer
RJNR-C-XI, CRZ, GHMC
Rajendranagar Circle, GHMC

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

GOVERNMENT OF TELANGANA

GREATER HYDERABAD MUNICIPAL CORPORATION

CERTIFICATE

This is to certify that SRI. C. BHARATH - [illegible]11A0116 of **Bharath Institute of Engineering & Technology,** Ibrahimpatnam pursuing final year **B.Tech** in Civil Engineer have successfully completed "**INTERNSHIP**" in R[illegible]ranagar Circle, GHMC from 14-06-2019 to 06-07-2019 vide Proc.No. 56/EE/RJNR-XI/GHMC/2019-20, Dt: 13-06-2019.

Executive Engineer
RJNR-I-XI, CRZ,GHMC
Rajendranagar Circle GHMC

Principal
Bharath Institute of Engg. & Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

Bharath Institute of Engineering & Technology ★ Mangalpally (V), Ibrahimpatnam, R.R. Dist. A.P.

GOVERNMENT OF TELANGANA

CERTIFICATE

This is to certify that Sri.KUNCHE VINAY - 16E11A0134 of **Bharath Institute of Engineering & Technology**, Ibrahimpatnam pursuing final year **B.Tech** in Civil Engineer have successfully completed **"INTERNSHIP"** in Rajendranagar Circle, GHMC from 14-06-2019 to 06-07-2019 vide Proc.No. 56/EE/RJNR-XI/GHMC/2019-20, Dt: 13-06-2019.

Executive Engineer
RJNR-XI, CRE, GHMC
Executive Engineer
Rajendranagar Circle GHMC

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

Bharat Institute of Engineering & Technology ★ Mangalpally (V), Ibrahimpatnam, R.R. Dist. A.P.

14

GOVERNMENT OF TELANGANA

GHMC
GREATER HYDERABAD MUNICIPAL CORPORATION

CERTIFICATE

This is to certify that **SRI. C.RAKESH – 16E11A0110** of **Bharath Institute of Engineering & Technology,** Ibrahimpatnam pursuing final year **B.Tech** in Civil Engineer have successfully completed **"INTERNSHIP"** in Rajendranagar Circle, GHMC from 14-06-2019 to 06-07-2019 vide Proc.No. 56/EE/RJNR-XI/GHMC/2019-20, Dt: 13-06-2019.

Executive Engineer
RJNR C-XI, CR2,GHMC

Executive Engineer
Rajendranagar Circle GHMC

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

Bharat Institute of Engineering & Technology ★ IBP R.R Dist AP ★

GOVERNMENT OF TELANGANA

GREATER HYDERABAD MUNICIPAL CORPORATION

CERTIFICATE

This is to certify that **Kum.CHERIPALLY ANUSHA – 16E11A0113** of **Bharath Institute of Engineering & Technology**, Ibrahimpatnam pursuing final year **B.Tech** in Civil Engineer have successfully completed "**INTERNSHIP**" in Rajendranagar Circle, GHMC from 14-06-2019 to 06-07-2019 vide Proc.No. 56/EE/RJNR-XI/GHMC/2019-20, Dt: 13-06-2019.

Executive Engineer
RJNR C-XI, CRZ GHMC
Rajendranagar Circle GHMC

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

GOVERNMENT OF TELANGANA

GHMC

CERTIFICATE

This is to certify that *Kum. G. Yamini – 16E11A0124* of Bharath Institute of Engineering & Technology, Ibrahimpatnam pursuing final year B.Tech in Civil Engineering have successfully completed *"INTERNSHIP"* in *Uppal Circle, GHMC* from 31-05-2019 to 12-06-2019 vide proc No. E/253/UC/2018, dated 31-05-2019.

Executive Engineer
Division No. 2, Uppal
GHMC

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Accredited by NAAC and Accredited by NBA : UG Programmes - CSE, ECE, EEE & Mechanical
Recognised by the Govt. of T.S. and Affiliated to JNTUH, Hyderabad.)
Sponsored by : CHINTA REDDY MADHUSUDHAN REDDY EDUCATIONAL SOCIETY
Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy District - 501 510, Telangana. Tel : 08414 - 252399

Ref.: BIET/2018

Date: 22/05/2018

To:
The Manager
NTPCL
Hyderabad

Subject: Request for Consent of Student Project Work in the esteemed organization.

Dear Sir,

I hope this letter finds you in good health and high spirits. I am writing on behalf of Bharat Institute of Engineering & Technology to request your esteemed organization's support in providing our students with an opportunity to undertake project work under your guidance.

As part of our academic curriculum, our students are required to gain hands-on experience through industry-oriented projects that enhance their practical knowledge and prepare them for professional challenges. We believe that your organization, being a leader in relevant industry or domain, would provide an excellent platform for our students to apply their theoretical learning to real-world scenarios.

We would be grateful if you could accommodate a group of our students for project/internship work for around 3 or 4 months. We assure you that our students are highly motivated and eager to contribute meaningfully under the supervision of your experts. Additionally, we are open to discussing specific project requirements and any other formalities necessary for a smooth collaboration.

We look forward to a positive response and a fruitful association with your organization. Please let us know a convenient time for further discussions on this matter.

Thank you for your time and consideration.

Yours sincerely,

Principal
BIET

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

INSTITUTE OF ENGINEERING AND TECHNOLOGY
Mangalpally(V)
Ibrahimpatnam
R R District

एनटीपीसी
NTPC
A Maharatna Company

एनटीपीसी लिमिटेड
NTPC Limited

एनटीपिसी लिमिटेड , रामगुंडम, डाक:ज्योतिनगर -505 215,जिल्ला:पेड्डापल्ली, तेलंगाना
NTPC-Ramagundam, Post: Jyothinagar - 505 215, Dist: Peddapalli, Telangana
फोन Phone: 08728-274615 फैक्स Fax:08728-273963

मानव संसाधन विभाग / HUMAN RESOURCES DEPARTMENT

कर्मचारि विकास कैंद्र / Employee Development Centre

सं/Ref.No.09:HR:EDC/PW/2018 दि/Date 31-05-2018

PW-CIVIL-21/2018

CERTIFICATE

This is to certify that Mr. A.ABILASH REDDY. (15E11A0111) B.TECH (CIVIL), student of "BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY, IBRAHIMPATNAM, RANGAREDDY" has done project on "CIRCULATING WATER SYSTEM" in CIVIL Department at NTPC Limited, Ramagundam from 16.05.2018 to 30.05.2018.

(G.PRAVEEN KUMAR)
MANAGER (HR-ED) & IN-CHARGE

G. PRAVEEN KUMAR
MANAGER (HR-EDC)
NTPC Ltd. Ramagundam
JYOTHINAGAR-505 215

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist) Telangana

एनटीपीसी NTPC A Maharatna Company

एनटीपीसी लिमिटेड
NTPC Limited

एनटीपिसी लिमिटेड, रामगुंडम, डाक:ज्योतिनगर -505 215,जिल्ला:पेड्डापल्ली, तेलंगाना
NTPC-Ramagundam, Post: Jyothinagar - 505 215, Dist: Peddapelli, Telangana
फोन Phone: 08728-274615; फैक्स Fax:08728-273963

मानव संसाधन विभाग / HUMAN RESOURCES DEPARTMENT
कर्माचारि विकास केंद्र / Employee Development Centre

सं/Ref.No.09:HR:EDC/PW/2018 दि/Date 31-05-2018

PW-CIVIL-21/2018

CERTIFICATE

This is to certify that Mr. G. VIVEK, (15E11A0121) B.TECH (CIVIL), student of "BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY, IBRAHIMPATNAM, RANGAREDDY" has done project on "CIRCULATING WATER SYSTEM" in CIVIL Department at NTPC Limited, Ramagundam from 16.05.2018 to 30.05.2018.

(G.PRAVEEN KUMAR)
MANAGER (HR-ED) & IN-CHARGE

जि. प्रवीण कुमार G. PRAVEEN KUMAR
MANAGER (HR-EDC)
NTPC Ltd. Ramagundam
JYOTHINAGAR-505 215

Principal
Bharat Institute of Engg. and Tech.
Mangalpally(V), Ibrahimpatnam
Ranga Reddy (Dist)-Telangana-501

INNOVATION & LEARNING

एनटीपीसी
NTPC

National Thermal Power Corporation limited

Ramagundam

CERTIFICATE

This is to certify that

D.ARAVIND

H.NO:15E11A0345

Of

MECHANICAL ENGINEERING DEPARTMENT,

BIET (B.TECH, 3rd, Year) have done A **MINI PROJECT** on "**STEAM TURBINE AND ITS ASSOCIATED SYSTEMS**" under my guidance and supervision at RSTPS, NTPC Limited Ramagundam" to full fill their partial academic requirement from **02-05-2018 to 15-05-2018.** Performance of the project trainee is satisfactory.

PROJECT GUIDE:
Mr. A.D.N RAO
Dy. Manager,(TMD)

ए.डी.एन. राव A.D.N. RAO
उप अधिक्षक Dy. Superintendent (C&M/TMD)
एनटीपीसी लिमिटेड NTPC Limited, Ramagundam
ज्योतिनगर JYOTHINAGAR - 505 215

Mr. G.BHASKAR
AGM (TMD) I/C

जी.भास्कर G. BHASKAR
अपर महाप्रबंधक Addl. General Manager (MM-TM)
एनटीपीसी लिमिटेड NTPC Limited, Ramagundam
ज्योतिनगर JYOTHINAGAR-505 215

Principal
Bharat Institute of Engg

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Accredited by NAAC and Accredited by NBA : UG Programmes - CSE, ECE, EEE & Mechanical
Recognised by the Govt. of T.S. and Affiliated to JNTUH, Hyderabad.)
Sponsored by : CHINTA REDDY MADHUSUDHAN REDDY EDUCATIONAL SOCIETY
Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy District - 501 510, Telangana. Tel : 08414 - 252399

Ref.:
BIET/2018

Date: 22/05/2018

To;
The Manager
South Central Railway
Hyderabad

Subject: Request for Consent of Student Project Work in the esteemed organization.

Dear Sir,

I hope this letter finds you in good health and high spirits. I am writing on behalf of Bharat Institute of Engineering & Technology to request your esteemed organization's support in providing our students with an opportunity to undertake project work under your guidance.

As part of our academic curriculum, our students are required to gain hands-on experience through industry-oriented projects that enhance their practical knowledge and prepare them for professional challenges. We believe that your organization, being a leader in relevant industry or domain, would provide an excellent platform for our students to apply their theoretical learning to real-world scenarios.

We would be grateful if you could accommodate a group of our students for project/internship work for around 3 or 4 months. We assure you that our students are highly motivated and eager to contribute meaningfully under the supervision of your experts. Additionally, we are open to discussing specific project requirements and any other formalities necessary for a smooth collaboration.

We look forward to a positive response and a fruitful association with your organization. Please let us know a convenient time for further discussions on this matter.

Thank you for your time and consideration.

Yours sincerely,

Vattikuti Babu

Principal
BIET

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

INSTITUTE OF ENGINEERING AND TECHNOLOGY
Mangalpally(V)
Ibrahimpatnam
R R District

MECH/B.TECH(3)/05/2018/050

SOUTH CENTRAL RAILWAY

Carriage Workshop, Lallaguda

Certificate

This is to certify that G. Yashwanth (15E11A0343)

Student of Bharat Institute of Engineering & Technology

Studying B.Tech. Third Year in Department of Mechanical Engineering, has done Mini Project on "Study on Corrosion Repairs and Coach Conversions" at South Central Railway, Carriage Workshop, Lallaguda, Secunderabad from 10.05.2018 to 24.05.2018.

This is a record of bonafide work under taken by him towards the partial fulfillment of the requirement for the award of Degree of "Bachelor of Technology".

He has completed the assigned task Satisfactorily

Date 24.05.2018

Principal
Bharat Institute of Engg. and Tech
Mangalpally (V), Ibrahimpatnam (M)
Ranga Reddy (Dist), Telangana-501510

Production Engineer
Carriage Workshop
Lallaguda

MECH/B.TECH(3)/05/2018/86

SOUTH CENTRAL RAILWAY

Carriage Workshop, Lallaguda

Certificate

This is to certify that Gadi Vamsi Krishna (15E11A0372)

Student of Bharat Institute of Engineering and Technology

Studying B.Tech. Third Year in Department of Mechanical Engineering, has done Mini Project on "Study on Suspension Systems and carriage Interiors" *at South Central Railway, Carriage Workshop, Lallaguda, Secunderabad from* 11.05.2018 *to* 25.05.2018 .

This is a record of bonafide work under taken by him towards the partial fulfillment of the requirement for the award of Degree of "Bachelor of Technology".

He has completed the assigned task Satisfactorily

Date : 26.05.2018

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

Production Engineer
Carriage Workshop
Lallaguda

SOUTH CENTRAL RAILWAY

Carriage Workshop, Lallaguda

Certificate

This is to certify that **Paloju Vamshi Krishna** (15E11A0371)

Student of **Bharat Institute of Engineering and Technology**

Studying B.Tech. Third Year in Department of Mechanical Engineering, has done Mini Project on "Study on Suspension Systems and carriage Interiors" *at South Central Railway, Carriage Workshop, Lallaguda, Secunderabad from* **11.05.2018** *to* **25.05.2018** .

This is a record of bonafide work under taken by him towards the partial fulfillment of the requirement for the award of Degree of **"Bachelor of Technology".**

He has completed the assigned task Satisfactorily

Date : 25/05/2018

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

Production Engineer
Carriage Workshop
Lallaguda

MECH/B.TECH(3)/05/2018/83

SOUTH CENTRAL RAILWAY

Carriage Workshop, Lallaguda

Certificate

This is to certify that **Paloju Vamshi Krishna** (15E11A0371)

Student of **Bharat Institute of Engineering and Technology**

Studying B.Tech. Third Year in Department of Mechanical Engineering, has done Mini Project on "Study on Suspension Systems and carriage Interiors" *at South Central Railway, Carriage Workshop, Lallaguda, Secunderabad from* **11.05.2018** *to* **25.05.2018** .

This is a record of bonafide work under taken by him towards the partial fulfillment of the requirement for the award of Degree of **"Bachelor of Technology".**

He has completed the assigned task Satisfactorily

Date : 25/05/2018

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist), Telangana-501510

Production Engineer
Carriage Workshop
Lallaguda

SOUTH CENTRAL RAILWAY

Carriage Workshop, Lallaguda

Certificate

This is to certify that **Yarakalapudi Vinod** (15E11A0375)

Student of **Bharat Institute of Engineering and Technology**

Studying B.Tech. Third Year in Department of Mechanical Engineering, has done Mini Project on "Study on Suspension Systems and carriage Interiors" *at South Central Railway, Carriage Workshop, Lallaguda, Secunderabad from* **11.05.2018** *to* **25.05.2018** .

This is a record of bonafide work under taken by him towards the partial fulfillment of the requirement for the award of Degree of **"Bachelor of Technology".**

He has completed the assigned task Satisfactorily

Date : 26.05.2018.

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

Production Engineer
Carriage Workshop
Lallaguda

MECH/B.TECH(3)/05/2018/88

SOUTH CENTRAL RAILWAY

Carriage Workshop, Lallaguda

Certificate

This is to certify that **Guduri Sravan Kumar** (15E11A0368)

Student of **Bharat Institute of Engineering and Technology**

Studying B.Tech. Third Year in Department of Mechanical Engineering, has done Mini Project on **"Study on Suspension Systems and carriage Interiors"** *at South Central Railway, Carriage Workshop, Lallaguda, Secunderabad from* **11.05.2018** *to* **25.05.2018** .

This is a record of bonafide work under taken by him towards the partial fulfillment of the requirement for the award of Degree of **"Bachelor of Technology".**

He has completed the assigned task Satisfactorily

Date : 26-05-2018

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

Production Engineer
Carriage Workshop
Lallaguda

MECH/B.TECH(3)/05/2018/89

SOUTH CENTRAL RAILWAY

Carriage Workshop, Lallaguda

Certificate

This is to certify that **Doodigama Satish** (15E11A0367)

Student of **Bharat Institute of Engineering and Technology**

Studying B.Tech. Third Year in Department of Mechanical Engineering, has done Mini Project on "Study on Suspension Systems and carriage Interiors" *at South Central Railway, Carriage Workshop, Lallaguda, Secunderabad from* **11.05.2018** *to* **25.05.2018** .

This is a record of bonafide work under taken by him towards the partial fulfillment of the requirement for the award of Degree of **"Bachelor of Technology".**

He has completed the assigned task Satisfactorily

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

Date : 26.05.2018

Production Engineer
Carriage Workshop
Lallaguda

SOUTH CENTRAL RAILWAY
Carriage Workshop, Lallaguda

Certificate

This is to certify that **Pusoju Sai Kumar (15E11A0365)**

Student of **Bharat Institute of Engineering and Technology**

Studying B.Tech. Third Year in Department of Mechanical Engineering, has done Mini Project on "Study on Suspension Systems and carriage Interiors" at South Central Railway, Carriage Workshop, Lallaguda, Secunderabad from **11.05.2018** to **25.05.2018** .

This is a record of bonafide work under taken by him towards the partial fulfillment of the requirement for the award of Degree of **"Bachelor of Technology"**.

He has completed the assigned task Satisfactorily

Date : 26.05.2018

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist), Telangana-501510

Production Engineer
Carriage Workshop
Lallaguda

दक्षिण मध्य रेलवे

SOUTH CENTRAL RAILWAY

HYDERABAD DIVISION

COACH MAINTENANCE DEPOT. KACHEGUDA

SCR

Certificate of Training

Nature of Training :.....INTERNSHIP.....

This is to certify that mr. /ms..N. SHANMUKHA...SAI.... Roll No...16EL5A0302...

Course :MECHANICAL...ENGINEERING.. of ....BHARAT....INSTITUTE...

.....OF....ENGINEERING.....AND...TECHNOLOGY.....HYD.....

Has undergone....15... month(s)/day(s) training in this organization from..16.05.2018..

To..30.05.2018his/her performance during the training period was found to be....GOOD...

Training /course :.....AIR....BRAKING...SYSTEM.....

And submitted a project report.

Remarks if any :....GOOD.....

Dt:-30-05-18

Stn:- Kacheguda

कोचिंग डिपो अधिकारी / काचीगुड़

Coaching Depot Officer/Kacheguda

Principal

Bharat Institute of Engg. and Tech

Mangalpally(V), Ibrahimpatnam(M)

Ranga Reddy (Dist)-Telangana-501510

Scanned by CamScanner

SOUTH CENTRAL RAILWAY
Serve with commitment progress with Pride

DIESEL LOCO SHED, KAZIPET-WARANGAL DISTRICT, 506003

CERTIFICATE

This is to certify the following students of **BHARAT INSTITUTE OF ENGINEERING & TECHNOLOGY** affiliated to JNTUH pursuing **B.TECH** in Mechanical Engineering course had completed their mini project on **"STUDY OF INDIAN RAILWAY ENGINE POWER PACK ASSEMBLY"** in Diesel Locomotive at Diesel loco shed, Kazipet from **(23-05-2018 TO 06-06-2018)**.

During the above period their conduct is satisfactory and they have innovative ideas and deserve encouragement

S.NO.	NAME OF STUDENT	HALLTICKET NO:
1	VEDANTH ABHISHEK .M	15E11A0305
2	K.SHIVA KUMAR	15E11A0333
3	B.VAMSHI KRISHNA	15E11A0339

(K.MAHENDER)

Chief Instructor. DTTC,

Diesel Loco Shed,

Kazipet-506003

Chief Instructor
Diesel Loco Shed, Kazipet

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

Scanned by CamScanner

SOUTH CENTRA RAILWAY
Service with commitment Progress with Pride

DIESEL LOCO SHED, KAZIPET-WARANGALDISTRICT, 506003

CERTIFICATE

This is to certify the following students of **BHARAT INSTITUTE OF ENGINEERING & TECHNOLOGY** affiliated to JNTUH pursuing **B.TECH** in Mechanical Engineering course have carried out a mini project on **"STUDY OF INDIAN RAILWAY TURBO SUPERCHARGER"** in DieselLocomotive at Diesel loco shed, Kazipet from **23-05-2018 TO 06-06-2018**

During the above period their conduct is satisfactory and they have innovative ideas and deserve encouragement.

S.NO.	NAME OF STUDENT	HALLTICKET NO:
1	SUDHAPALLI MITHIN KUMAR	15E11A0320
2	MAKTHALA SHIVAJI	15E11A0335
3	BIJIVEMULA UMA VENKAT REDDY	15E11A0338

(K.MAHENDER)

Chief Instructor. DTTC.

Diesel Loco Shed,

Kazipet-506003.

Chief Instructor
Diesel Loco Shed, Kazipet

Principal
Bharat Institute of Engg. and Technology
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

MECH/B.TECH(3)/06/2018/239 79

SOUTH CENTRAL RAILWAY

Carriage Workshop, Lallaguda

Certificate

This is to certify that **S. Laxma Reddy** (16E15A0311)

Student of **Bharat Institute of Engineering and Technology**

Studying B.Tech. Third Year in Department of Mechanical Engineering, has done Internship on "Study on POH Activities of Coaches" at South Central Railway, Carriage Workshop, Lallaguda, Secunderabad from **16.05.2018** to **16.06.2018** .

This is a record of bonafide work under taken by him towards the partial fulfillment of the requirement for the award of Degree of **"Bachelor of Technology"**.

He has completed the assigned task Satisfactorily

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

Date : 17.06.2018

Production Engineer
Carriage Workshop
Lallaguda

79

MECH/B.TECH(3)/06/2018/240

SOUTH CENTRAL RAILWAY

Carriage Workshop, Lallaguda

Certificate

This is to certify that K. Raviteja (16E15A0306)

Student of Bharat Institute of Engineering and Technology

Studying B.Tech. Third Year in Department of Mechanical Engineering, has done Internship on "Study on POH Activities of Coaches" at South Central Railway, Carriage Workshop, Lallaguda, Secunderabad from 16.05.2018 to 16.06.2018.

This is a record of bonafide work under taken by him towards the partial fulfillment of the requirement for the award of Degree of "Bachelor of Technology".

He has completed the assigned task Satisfactorily

Date: 17.06.2018

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam
Ranga Reddy (Dist)-Telangana

Production Engineer
Carriage Workshop
Lallaguda

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Accredited by NAAC and Accredited by NBA : UG Programmes - CSE, ECE, EEE & Mechanical
Recognised by the Govt. of T.S. and Affiliated to JNTUH, Hyderabad.)
Sponsored by : CHINTA REDDY MADHUSUDHAN REDDY EDUCATIONAL SOCIETY
Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy District - 501 510, Telangana. Tel : 08414 - 252399

Ref.: BIET/2018

Date: 22/05/2018

To;
The Manager
TSPGCL
Hyderabad

Subject: Request for Consent of Student Project Work in the esteemed organization.

Dear Sir,

I hope this letter finds you in good health and high spirits. I am writing on behalf of Bharat Institute of Engineering & Technology to request your esteemed organization's support in providing our students with an opportunity to undertake project work under your guidance.

As part of our academic curriculum, our students are required to gain hands-on experience through industry-oriented projects that enhance their practical knowledge and prepare them for professional challenges. We believe that your organization, being a leader in relevant industry or domain, would provide an excellent platform for our students to apply their theoretical learning to real-world scenarios.

We would be grateful if you could accommodate a group of our students for project/internship work for around 3 or 4 months. We assure you that our students are highly motivated and eager to contribute meaningfully under the supervision of your experts. Additionally, we are open to discussing specific project requirements and any other formalities necessary for a smooth collaboration.

We look forward to a positive response and a fruitful association with your organization. Please let us know a convenient time for further discussions on this matter.

Thank you for your time and consideration.

Yours sincerely,

Vattikuti Babu

Principal
BIET

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY
Mangalpally(V)
Ibrahimpatnam
R. R. District

TELANGANA STATE POWER GENERATION CORPORATION LIMITED

KOTHAGUDEM THERMAL POWER STATION

PALONCHA, KHAMMAM DISTRICT, TELANGANA, INDIA.

CERTIFICATE

This is to certify this Mini project report on **KTPS-A station which is having** 4 **nos. of 60MW Hitachi make Units** is a bonafied of work done under my guidance and supervision and submitted in partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING BY BIET** during the year **2018-2019** from **25th April to 8th June.**

P. VAMSHI KRISHNA (15E11A0370)

D. Upender

D. UPENDER
Assistant Engineer (A.E),
Turbine Maintenance,
KTPS-A Station, Paloncha.

Asst. Engineer
Turbine Maintenance
K.T.P.S.'A', PALONCHA

G.V. RAMANA RAO(MTECH)
Divisional Engineer(D.E)
Turbine Maintenance,
KTPS-A Station, Paloncha.

Principal
Bharat Institute of Engg. and Tech
Mangalpally (V), Ibrahimpatnam (M), R.R. Dist. A.P.

TELANGANA STATE POWER GENERATION CORPORATION LIMITED

KOTHAGUDEM THERMAL POWER STATION

PALONCHA, BHADRADRI KOTHAGUDEM DISTRICT, TELANGANA STATE

TELANGANA STATE POWER GENERATION CORPORATION LTD. TSGENCO

CERTIFICATE

This is to certify this Internship report on KTPS-A station which is having 4 nos. of 60MW Hitachi make Units is a bonafied of work done under my guidance and supervision and submitted in partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING BY BIET** during the year **2018-2019** from **01ST JUNE to 15th June.**

T. SHRAVAN (16E15A0302)

D. Upender

D. UPENDER
Assistant Engineer (A.E),
Turbine Maintenance,
KTPS-A Station, Paloncha.

Asst. Engineer
Turbine Maintenance
K.T.P.S.-'A', PALONCHA

G.V. RAMANA RAO (MTECH)
Divisional Engineer (D.E)
Turbine Maintenance,
KTPS-A Station, Paloncha.

Divisional Engineer,
TURBINE MAINTENANCE
K.T.P.S.-'A' Station,
PALONCHA - 507 115.

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam,
Ranga Reddy (Dist)-Telangana-501510

TELANGANA STATE POWER GENERATION CORPORATION LIMITED

KOTHAGUDEM THERMAL POWER STATION

PALONCHA, KHAMMAM DISTRICT, TELANGANA, INDIA

CERTIFICATE

This is to certify this Mini project report on KTPS-A station which is having 4 nos. of 60MW Hitachi make Units is a bonafied of work done under my guidance and supervision and submitted in partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **MECHANICAL ENGINEERING BY BIET** during the year **2018-2019** from 25th April to 8th June.

G. KALYAN (16E15A0305)

D. UPENDER
Assistant Engineer (A.E),
Turbine Maintenance,
KTPS-A Station, Paloncha.

G.V. RAMANA RAO(MTECH)
Divisional Engineer(D.E)
Turbine Maintenance,
KTPS-A Station, Paloncha.

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

TELANGANA STATE POWER GENERATION
CORPORATION LIMITED

(Government Of Telangana Enterprises) 60

CERTIFICATE

This is certified that the Project Entitled "BOILER MAITANANCE" is a bonafide report of strenuous work carried out

By

B.ANIL KUMAR	15E11A0306
R.LALU NAIK	15E11A0314
J.NARENDER	16E15A0313

The following student under the guidence of Mr.K.SHANKAR,ADE,A-STATION KTPS PALONCHA, Mr.VENKAT ANARAYANA,DE,A-STATION KTPS PALONCHA DURING 11-06-2018 TO 25-06-2018.In partial fulfillment of the requirement according to the university curriculum after completion of their second semester of third year B.Tech in the discipline, MECHANICAL ENGINEERING.

ASSISTANT ENGINEER
BOILER MAINTANANCE
KTPS,A-STATION, KTPS,PALONCHA

ASSISTANT DIVISIONAL ENGINEER
BOILER MAINTANANCE
KTPS,A-STATION, KTPS,PALONCHA

Mr.VENKAT ANARAYANA
DIVISIONAL ENGINEER
BOILER MAINTANANCE
KTPS,A-STATION, KTPS,PALONCHA

Principal
Bharat Institute of Engg. and Tech.
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

Scanned by CamScanner

TELANGANA STATE POWER GENERATION CORPORATION LIMITED
(A Govt. of Telangana State Undertaking)
JURALA HYDRO ELECTRIC PROJECTS,
(PJHES & LJHES), O&M Circle
Revulapally (V), Dharoor (M), Jogulamba Gadwal (D) – 509125

CERTIFICATE

This is to certify that

Mr. B. Santhosh	(14ETIA0309)
Mr. CH. Aneesh Chandra	(14ETIA0315)
Mr. K. Preetham reddy	(14ETIA0327)

from
BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY, Ibrahimpatnam, Hyderabad have undergone Industrial Training at "PRIYADARSHINI JURALA HYDRO ELECTRIC POWER PLANT" for a period of fifteen days i.e. from 12.06.2017 to 28.06.2017.

Under the esteemed guidance of

SST. DIVISIONAL Engineering/mechanical
Maintenance SUB-DIVISION/ O&M
DIVISION
REVULAPALLY - 509125

SUPERINTENDING ENGINEER
O&M CIRCLE/ JHEP(s)
REVULAPALLY- 509125

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

Scanned by CamScanner

TELANGANA STATE POWER GENERATION CORPORATION

LIMITED

KTPS V STAGE-PALONCHA

CERTIFICATE

This is to certify that this is the mini project work entitled as **"STUDY OF STEAM TURBINES 2X250MW OF KOTHAGUDEM THERMAL POWER STATION STAGE-V"** is the bonafide work carried by

R.BHARATH BHUSHAN SINGH	H.T. No: 14E11A0305
K.MANI KUMAR	H.T. No: 14E11A0326
M.SAI CHAND	H.T. No: 14E11A0338

Students of Bachelor of Technology in Mechanical Engineering at **BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY**

During the period of 15 days from 01-03-2017 to 15-03-2017.

15.03.17

P.RAJA MOHAN,
ASSISTANT DIVISIONAL ENGINEER,
TURBINE MAINTENANCE,
KTPS V STAGE PALONCHA.

Asst. Divisional Engineer
Turbine Maintenance
K.T.P.S.-V-Stage
PALONCHA - 507 115

15/03/17

D.SURESH,
DIVISIONAL ENGINEER,
TURBINE MAINTENCE,
KTPS V STAGE PALONCHA.

Divisional Engineer
Turbine Maintenance
K.T.P.S. V-Stage
PALONCHA - 507 115

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist), Telangana-501510

Scanned by CamScanner

TELANGANA STATE POWER GENERATION CORPORATION LTD.
TSGENCO

LOWER JURALA HYDRO ELECTRIC PROJECT
ATMAKUR

CERTIFICATE

This is certify that **A BHARATH KUMAR, ROLL NO. 16E15A0301 of MECHANICAL ENGINEERING DEPARTMENT BIET** (B. TECH 3rd year) have done a mini project on **STUDY OF HYDRO ELECTRIC POWER PLANT** under my guidance and supervision at **LOWER JURALA HYDRO ELECTRIC POWER PLANT TSGENCO LIMITED** to fulfill their partial academic requirements from **15-05-2018 to 31-05-2018.** Performance of the project trainee is satisfactory.

Bharat Institute of Engineering & Technology M.P.H.P.R.R. Dist. A.P.

PROJECT GUIDE

31/05/2018

G.RAJESH
ADE/PE&MM/LJHEP
PE&MM/LJHEP/TSGENCO
Atmakur

Assistant Divisional Engineer
PE&MM Sub Div-I, LJHEP
TSGENCO, Atmakur-509 131
Mahabubnagar (Dist)

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

Scanned by CamScanner

TELANGANA STATE POWER GENERATION CORPORATION LIMITED.

NIZAMSAGAR HYDEL POWER STATION,
NIZAMSAGAR, KAMAREDDY DIST.

CERTIFICATE.

This is to certify that the student P. SRIHARSHA (16E15A0230) studying B.Tech in "ELECTRICAL AND ELECTRONICS ENGINEERING" at "BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY" has done his MINI PROJECT TRAINING on "STUDY OF HYDRO POWER STATION" in Nizamsagar, kamareddy dist, during the days 25-05-2018 to 15-06-2018 (15 days). During the above period he is regular in his attendance and his conduct is good.

Assistant Divisional Engineer
O&M TSGENCO
Nizamsagar.

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam
Ranga Reddy (Dist)-Telangana-501510

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Accredited by NAAC and Accredited by NBA : UG Programmes - CSE, ECE, EEE & Mechanical
Recognised by the Govt. of T.S. and Affiliated to JNTUH, Hyderabad.)
Sponsored by : CHINTA REDDY MADHUSUDHAN REDDY EDUCATIONAL SOCIETY
Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy District - 501 510, Telangana. Tel : 08414 - 252399

Ref.:
BIET/2018

Date: 22/05/2018

To;
The Manager
CIPET
Hyderabad

Subject: Request for Consent of Student Project Work in the esteemed organization.

Dear Sir,

I hope this letter finds you in good health and high spirits. I am writing on behalf of Bharat Institute of Engineering & Technology to request your esteemed organization's support in providing our students with an opportunity to undertake project work under your guidance.

As part of our academic curriculum, our students are required to gain hands-on experience through industry-oriented projects that enhance their practical knowledge and prepare them for professional challenges. We believe that your organization, being a leader in relevant industry or domain, would provide an excellent platform for our students to apply their theoretical learning to real-world scenarios.

We would be grateful if you could accommodate a group of our students for project/internship work for around 3 or 4 months. We assure you that our students are highly motivated and eager to contribute meaningfully under the supervision of your experts. Additionally, we are open to discussing specific project requirements and any other formalities necessary for a smooth collaboration.

We look forward to a positive response and a fruitful association with your organization. Please let us know a convenient time for further discussions on this matter.

Thank you for your time and consideration.

Yours sincerely,

Vattikuti Babu

Principal
BIET

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY
Mangalpally(V)
Ibrahimpatnam
R. R. District

(रसायन एवं पट्रोरसायन विभाग
रसायन एवं उवरक मंत्रालय, भारत सरकार)
आइ.डी.ए.फेस-२, चरलापल्ली, हैदराबाद - 500 051
दूरभाष : 040-27263750, 27263615; फैक्स 91-40-27264051
मेईल: hyderabad@cipet.gov.in, वे : www.cipet.gov.in

CENTRAL INSTITUTE OF PLASTICS ENGINEERING & TECHNOLOGY
(Department of Chemicals & Petrochemicals,
Ministry of Chemicals & Fertilizers, Govt. of India)
IDA, Phase II, Cherlapally, HYDERABAD - 500 051
Phone : 040-27263750, 27263615; Fax; 91-40-27264051
Email : hyderabad@cipet.gov.in, Web : www.cipet.gov.in

Ref: CAD/CAM - 06/2017, Hyd.

Date: 22.06.2017

TO WHOMSOEVER IT MAY CONCERN

This is to certify that B.Tech. Student studying at BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY, affiliated to JNTUH, Approved by AICTE ,Mangalpally(v) , Ibrahimpatnam(M) ,Rangareddy(Dist) has completed the Mini Project work on " **Production of Profiles by using Extrusion process** " at CIPET-HYDERABAD.

S.NO	NAME	ROLL NO.
1	A.RAGHU VAMSHI	14E11A0301

MANAGER (D/TR)
CH. SHEKAR
Manager (D/TR)
Central Institute of Plastics Engineering & Technology
Dept. of Chemicals Petrochemicals
Ministry of Chemicals & Fertilizers, Govt. of India
HCL Post, IDA, Phase II,
CHERLAPALLY, HYDERABAD-500 051
Tel: 040-27263750, 040-27263615 Fax: 040-

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501 510

Bharat Institute of Engineering & Technology (M) IBP R.R Dist. A.P

CENTRAL INSTITUTE OF PLASTICS ENGINEERING & TECHNOLOGY

(Department of Chemicals & Petrochemicals, Ministry of Chemicals & Fertilizers, Govt. of India)
IDA, Phase II, Cherlapally, HYDERABAD - 500 051
Phone : 040-27263750, 27263615, Fax: 91-40-27264051
Email : hyderabad@cipet.gov.in, Web : www.cipet.gov.in

Ref: CAD/CAM - 06/2017, Hyd.

Date: 22.06.2017

TO WHOMSOEVER IT MAY CONCERN

This is to certify that B.Tech. Student studying at BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY, affiliated to JNTUH, Approved by AICTE ,Mangalpally(v) , Ibrahimpatnam(M) ,Rangareddy(Dist) has completed the Mini Project work on " **Production of Profiles by using Extrusion process** " at CIPET-HYDERABAD.

S.NO	NAME	ROLL NO.
1	G.PAVAN KUMAR REDDY	14E11A0320

MANAGER (D/TR)
CH. SHEKAR
Manager (D/TR)
Central Institute of Plastics Engineering & Technology
(Dept. of Chemicals & Petrochemicals)
Ministry of Chemicals & Fertilizers, Govt. of India
HCL Post, IDA, Phase II
CHERLAPALLY, HYDERABAD-500 051
Ph: 040-27263750, 040-27263615 Fax: 91-40-27264051

Principal
Bharat Institute of Engg. and Tech
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist)-Telangana-501510

Scanned by CamScanner

सेन्ट्रल इंस्टिट्यूट ऑफ प्लास्टिक्स
इंजीनियरिंग एण्ड टेक्नॉलाजी
रसायन एवं पेट्रोरसायन विभाग
रसायन एवं उर्वरक मंत्रालय, भारत सरकार
आइ.डी.ए. फेज-२, चेरलापल्ली, हैदराबाद - 500 051
दूरभाष - 040-27263750/27263615
फैक्स - 040-27264051
ई मेल - hyderabad@cipet.gov.in
cipethyderabad@yahoo.co.in
वेबसाइट - www.cipet.gov.in

CENTRAL INSTITUTE OF PLASTICS ENGINEERING & TECHNOLOGY
Department of Chemicals & Petrochemicals
Ministry of Chemicals & Fertilizers, Govt. of India
IDA, Phase - II, Cherlapally
Hyderabad - 500 051.
Ph: 040-27263750/27263615
Fax : 040-27264051
E-mail Id : hyderabad@cipet.gov.in
cipethyderabad@yahoo.co.in
Website : www.cipet.gov.in

Ref: CAD/CAM - 01 2018, Hyd.

Date: 19.01.2018

TO WHOMSOEVER IT MAY CONCERN

This is to certify that B. Tech. Students studying at **BHARAT INSTITUTE OF ENGINEERING &TECHNOLOGY** , Affiliated to Jawaharlal Nehru Technological University (Hyd), Mangalpally (V), Ibrahimpatnam (M) Ranga Reddy (Dist), have completed Mini Project work on **"STUDY OF INJECTION MOULDING PROCESS FOR COVER OF PRINTER"** at CIPET-HYDERABAD.

S.NO	NAME	ROLL NO.
1	SHAIK BILAL	14E11A0313
2	MD SHOEB AHMED	14E11A0339
3	KHAJA ZAIN UDDIN ANSARI	14E11A0330

Principal
Bharat Institute of Engg and Tech
Mangalpally (V), Ibrahimpatnam (M)
Ranga Reddy (Dist) - 501510

GH SHEKAR M.E.
MANAGER (D/TR)
Manager (D/TR)
Central Institute of Plastics Engineering & Technology
(Dept. of Chemicals Petrochemicals,
Ministry of Chemicals & Fertilizers, Govt. of India)
HCL Post, IDA, Phase-II,
CHERLAPALLY, HYDERABAD-500 051.
Tel: (O) 040-27263750, 040-27263615, Fax: 040-27264051

74

सेपेट : सेन्टर फॉर स्किलिंग एण्ड टेक्निकल सपोर्ट (सि एस टी एस)
रसायन एवं पेट्रोरसायन विभाग,
रसायन एवं उर्वरक मंत्रालय, भारत सरकार)
आईडीए, फेस -2, चेरलापल्ली, हैदराबाद - 500 051.
तेलंगाना, भारत
फोन : (040) 27263750 / 27263615
फैक्स : +91-40-27264051
ई-मेल : hyderabad@cipet.gov.in
वेबसाइड : www.cipet.gov.in
मुख्यालय : गिण्डी, चेन्नई - 600 032.

CIPET स‍िपेट

CIPET : CENTRE FOR SKILLING AND TECHNICAL SUPPORT (CSTS)
(Department of Chemicals & Petrochemicals,
Ministry of Chemicals & Fertilizers, Govt. of India.
IDA, Phase-II, Cherlapally, Hyderabad-500 051.
Telangana, INDIA
Phone: (040) 27263750 / 27263615
Fax: +91-40-27264051
Email: hyderabad@cipet.gov.in
Website: www.cipet.gov.in
Head Office : Guindy, Chennai - 600 032.

Ref: CAD/CAM – 024/2019, Hyd.

Dated: 24.04.2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that B.Tech. Students studying at BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY (Approved by A.I.C.T.E., Recognised by the govt. of T.S and and Affiliated to J.N.T.U) Mangalpally(V), Ibrahimpatnam(M), Ranga Reddy(Dist.) have completed the Major Project work on **"Development and Manufacturing a Single Impression of Injection Mould for VVPAT Printer Cover"**, at CIPET : CSTS, Hyderabad.

Sl.No.	Name of the Student	Roll No.
1	NIMMAGADDA SHANMUKHA	16E15A0309

Principal
Bharat Institute of Engg. and Tech.
Mangalpally(V), Ibrahimpatnam(M)
Ranga Reddy (Dist) Telangana

MANAGER (D/TR)
प्रशिक्षण प्रभारी/
Training Incharge
सिपेट/CIPET
आइ.डी.ए. फेस-, चेरलापल्ली,
IDA, Phase-II, Cherlapally
हैदराबाद/Hyderabad-500051