

MARATHA MANDAL'S ARTS AND COMMERCE
COLLEGE KHANAPUR



INTERNSHIP PROGRAMME REPORT
SUBMITTED TO

RANI CHANNAMMA UNIVERSITY, BELGAVI



SUBMITTED BY

YOGESH NAIK

REG. NO. : C2028937

UNDER THE GUIDANCE OF

PROF. PRANALI SAWANT

Pranali Sawant

Principal

Maratha Mandal's
Arts & Commerce College
Khanapur - 423002 Dist. Belgaur

Microtech

Mfg. of Carbide Cutting Tools

Microtech Engineering Corporation

Add: 21, Plot No. 12/57, Near Maratha High School,
Dwarka Nagar, Malwa, Belgaum

E-mail: microtechengg2@gmail.com,
Ph: 9891124117

CERTIFICATE

This is to certify that Mr. Yogesh Naik, Student of Maratha Mandal Arts & commerce college Khanapur 3rd Year B.Com 6th semester Reg. no- C2028937 has successfully completed "Internship Program" At Microtech Engineering Corporation – Belgaum for a period of 13.06.2023 to 23.06.2023

During his internship we found him sincere, honest and eager to learn and also punctual to his timings with us.

We wish him all the best for his future endeavour

Thanking you

For Microtech Engineering Corporation

For Microtech Engineering Corporation


Proprietor

Date – 23.06.2023

Place – Belgaum



Principal
Maratha Mandal's
Arts & Commerce College
Khanapur - 591302 Dist. Belgaum



**MARATHA MANDAL'S
ARTS & COMMERCE COLLEGE, KHANAPUR.**

(Affiliated to Rani Channamma University, Belagavi)
(Denotifier Minority Institution No.ED:155, LAC 93, Bangalore
dt: 28.01.1995)
NAAC RE-ACCREDITED WITH 'B++' GRADE (CUQA-2.88) 3rd Cycle

Date: 01.08.2023

To,
The HR Manager

Sir/Madam

Greetings from Maratha Mandal's Arts & Commerce college, Khanapur

Our institute is in to imparting degree education in course BA & B.Com since last four decades. We are affiliated to Rani Channamma University, Belagavi accredited 3++ grade college by NAAC. B.Com 6th semester students have to undergo 10 days internship program. Kindly permit our following students to undergo internship program in your esteemed organization and render a helping hand for the practical learning and overall development of the student. We have all hopes that your kind-self will do that needful for our student.

S. No.	Name of the students	S. No.	Name of the students
1	✓ Yogesh R Naik	5	✓ Maruti Kavalekar
2	✓ Gauresh G Gawade	6	Vishvajet V Patil
3	✓ Dayaneshwar A Shinde	7	Shucham R Desai
4	✓ Harmanant B Bedare	8	Vinayak M Pilankar

So, kindly accord the permission.

Thanking you,

Yours faithfully,


Dr. J.K. Bangwadi

Principal
Maratha Mandal's
Arts & Commerce College
Khanapur

CERTIFICATE

This is to certify that Mr. YOGESH NAIK has satisfactory
completed the INTERNSHIP PROGRAMME REPORT as a part of
skill Enhancement Course in RANI CHANNAMMA
UNIVERSITY , BELAGAVI during academic year 2022-2023 .


Mentor


HOD B.Com.

PRINCIPAL


Principal
Maratha Mandal's
Arts & Commerce College
Khanape 59° 303 Dist. Belgaum

DECLARATION

I am Yogesh Naik hereby declare that this project "Internship Programme" at Maratha Mandal's Arts And Commerce Degree College Khanapur, has been prepared by me during the year 2022-23 as a part of Skill Enhancement Course in RANI CHANNANMMA UNIVERSITY, BELGAVI.

I has been done under the guidance of Mentor Prof. Pranali Sawant Lecture, Dept. of Commerce, Maratha Mandal's Arts and Commerce College Khanapur.

To the best of my knowledge and belief, this project is original work prepared by me and has not been submitted earlier to Rani Channamma University, Belgavi or any other universities for fulfillment of skill Enhancement Course in current academic year.

Place : Khanapur

Date :



Yogesh Naik

REG.NO. : C2028937

ACKNOWLEDGMENT

This project is a great opportunity to express my hearty thank to those people who timely supported me a long way to completion of project report.

First and foremost, I would like to express my sincere thanks to our external Guide the Vijay More, the Working President of Shantadai Vaidhasram, for their kind guidance and valuable information.

I express my deep intelligence of appreciation to Principall Dr. J. K. Bagewadi, and B.Com HOD Prof. Pranali Sawant, Maratha Mandal's Arts and Commerce College Khanapur, for giving opportunity of being the part of this institution and supporting to complete Community Service Project.

I would like to thank my mentor, Prof. Pranali Sawant, a faculty of Maratha Mandal's Arts and Commerce College Khanapur, for being the continuous guidance and encouragement to the success of the Internship Programme Project Report.

Place : Khanapur

Date :



Yogesh R Naik

Reg. No.: C2028871

INTRODUCTION TO THE TOPIC

EXECUTIVE SUMMARY

This executive summary provides an overview of the internship project undertaken by Yogesh Naik at Microtech Engineering Corporation. The purpose of the project was to gain practical experience and apply academic knowledge in a professional engineering setting.

The objectives of the project were to:

1. **Gain hands-on experience:** The internship provided an opportunity for the us to apply theoretical knowledge to real-world projects.
2. **Learn industry standards and practices:** By working alongside experienced professionals, the student gained valuable insights into the industry's best practices, standards, and regulations. This included learning about safety protocols, technical documentation, and adherence to quality control measures.
3. **Collaborate within a team:** The internship allowed for collaboration with cross-functional teams, enabling the student to understand the importance of effective communication, teamwork, and coordination in achieving project goals. This included participating in team meetings, contributing to discussions, and coordinating tasks with colleagues.

4. Gain exposure to corporate culture and values: I have got the opportunity to understand Microtech Engineering Corporation's corporate culture, ethics, and values. This included observing how the company incorporates sustainability, social responsibility, and ethical practices in its operations.

The internship was a mutually beneficial arrangement, allowing the companies to benefit from the student's fresh perspectives, enthusiasm, and contributions to ongoing projects.

Moving forward, a comprehensive evaluation and feedback process will be conducted by both the student and the company to assess the outcomes of the internship project. This will support continuous improvement in shaping future internship opportunities.

In conclusion, the internship project at Microtech Engineering Corporation offered a valuable learning experience for the me. It allowed me to bridge the gap between academic knowledge and practical application, facilitating personal and professional growth. The internship provided insights into the day-to-day operations of corporation while nurturing skills and competencies necessary for a successful career.

2 . INDUSTRY OVERVIEW

Microtech Engineering Corporation in Mache Industrial Area Belgaum. The Business came into existence in 2014. And has, since then been a known name in its field. The business strives to make for a positive experience through its offerings. The accepted modes of payment such as cash make every business transaction easy and seamless, contributing to making the entire process even more effective.

Customer centricity is at the core of Microtech Engineering Corporation and this belief that has led the business to build long term relationships. Ensuring a positive customer experience, making available goods and or services that are of top-notch quality is given prime importance.

Microtech Engineering Corporation Manufacturing. The cost saving best quality high performance . Solid Carbide drills, step drills, end mill, reamer, ball nose, gear hubs, and resharpening and reconditioning of solid carbide tools. Our superior Expertise in designing of smooth durable. With high technology carbide tools and other products. That provide added value for our customer. This corporation provide the products present a great opportunity to save cost and beat the competitions.

SERVICES PROVIDED BY MICROTTECH ENGINEERING CORPORATION

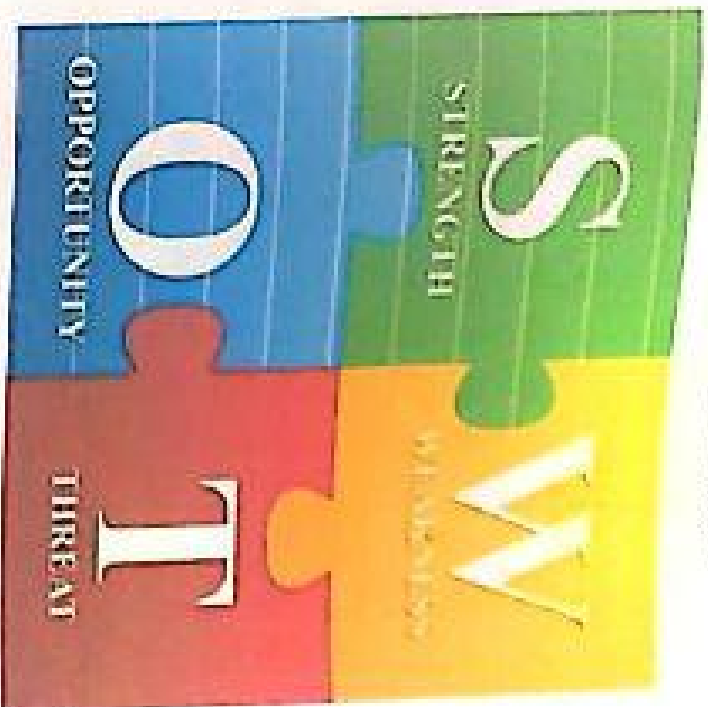
solid carbide Round Tools Manufacturing & Reconditioning Services Carbide Tools- Reconditioning Services:

- You can simply send us your worn tools and our reconditioning facility will deliver a tool bank to you as good as the original.
- Higher precision reconditioning delivers longer reground tool life and offer more regrind per tool resulting in significant cost saving.
- The services is fast, convenient & cost-effective.

Carbide Tools –Manufacturing Services:

- To ensure that a customer receives maximum tool life benefits from original grinding, we utilizes high precision modern 5 Axis CNC grinding machines from ANCA Australia & Widma.
- We have patented license copies for point geometries which helps us to provide wide range of applications
- We utilizes ultra fine grain carbide rods from Konrad Friedrichs Gmbh and Boehlerit Gmbh Germany brand, which is absolutely competitive terms of cutting parameters & tool life

3. SWOT ANALYSIS



SWOT analysis is a framework for identifying and analyzing an organization's strengths, weaknesses, opportunities and threats. These words make up the SWOT acronym.

The primary goal of SWOT analysis is to increase awareness of the factors that go into making a business decision or establishing a business strategy. A SWOT analysis should be used to help an entity gain insight into its current and future position in the marketplace or against a stated goal.

STRENGTHS :

1. **High-quality Products:** The carbide tool manufacturing company has a strong reputation for producing high-quality tools that are known for their durability and precision.
2. **Technological Expertise:** The company has advanced machinery and technology, allowing it to manufacture carbide tools that meet the stringent requirements of various industries.
3. **Skilled Workforce:** The company employs a highly skilled and experienced workforce that is knowledgeable about the manufacturing process and can produce complex carbide tool designs.
4. **Strong Customer Base:** The company has a loyal customer base that values the quality and reliability of its carbide tools.

WEAKNESSES :

1. **Limited Product Range:** The company may have a limited product range, potentially missing out on opportunities in other carbide tool segments.
2. **Price Competitiveness:** In a highly competitive market, the company may face challenges in maintaining competitive prices for its products.
3. **Lack of Vertical Integration:** The company may rely on external suppliers for raw materials, which can increase costs and lead to supply chain disruptions.

OPPORTUNITIES :

1. **Diversification:** The company can explore opportunities to expand its product range and penetrate new market segments, such as aerospace, automotive, or medical industries.
2. **International Expansion:** With its strong reputation and quality products, the company can consider entering international markets to increase its customer base and revenue.
3. **Industry Collaboration:** The company can collaborate with other manufacturers or research institutions to develop new and innovative carbide tool designs that can address specific industry needs.

THREATS :

1. **Emerging Competitors:** The carbide tool manufacturing industry is highly competitive, and the company may face increased competition from new market entrants or existing competitors.
2. **Economic Factors:** Economic fluctuations can impact the demand for carbide tools, and the company may be exposed to risks such as reduced customer spending during economic downturns.
3. **Technological Advancements:** Rapid advancements in technology may require the company to continually invest in upgrading its machinery and processes to stay competitive.
4. **Raw Material Costs:** Fluctuations in the prices of raw materials, such as tungsten or cobalt, can impact the company's profitability.

4. VISION AND MISSION OF CORPORATION:

VISION :

Committed For Enhancing Customers Satisfaction by providing Quality products & Services through Continual improvement in implementing products and Quality Management System.

MISSION :

To be one of the most trusted cutting tool manufacturing company which works as a productivity partner at customers place through innovative products, committed services through our motivated & dedicated team .

5. OWNERSHIP PATTREN :

Microtech Engineering Corporation is basically Sole proprietorship, owned by Ravinora Arjun Kallekar. Nature of business is manufacturing. They are manufacturing carbide round tools and reconditioning services. Established in the year 2014. At present there are 30 workers. This corporation import necessary raw materials from outside countries and also exports the goods to other countries. They have strong trade relationship with customer . Annual turnover is upto Rs. 50 lakhs.

5. PRODUCT PROFILE :



Carbide cutting tools are widely used in machining processes due to their high hardness and wear resistance. They are made from tungsten carbide, a compound of tungsten and carbon, and sometimes other elements like titanium or tantalum. Here's a general product profile of carbide cutting tools:

1. **Material Composition:** Carbide cutting tools are primarily composed of tungsten carbide, often mixed with cobalt as a binder to enhance toughness and strength.

1. **Hardness:** They exhibit exceptional hardness, ranking higher on the Mohs scale compared to traditional steel cutting tools. This hardness enables them to withstand high cutting forces and maintain their cutting edge for longer durations.

2. **Wear Resistance:** Carbide tools have excellent wear resistance, allowing them to endure repetitive cutting without significant loss of cutting performance.

3. **Heat Resistance:** They can withstand high temperatures generated during machining, reducing the risk of tool deformation and improving tool life.

4. **Versatility:** Carbide cutting tools are available in various shapes and sizes, making them suitable for a wide range of machining operations, such as turning, milling, drilling and grooving.

5. **Cutting Speed:** Due to their hardness and heat resistance, carbide tools often allow higher cutting speeds, leading to improved productivity.

6. **Applications:** Carbide cutting tools are commonly used in the manufacturing industry, including aerospace, automotive, electronics, and general engineering, where precision and efficiency are critical.

Manufacturing Facility For Solid Carbide Round Tools With iView Camera

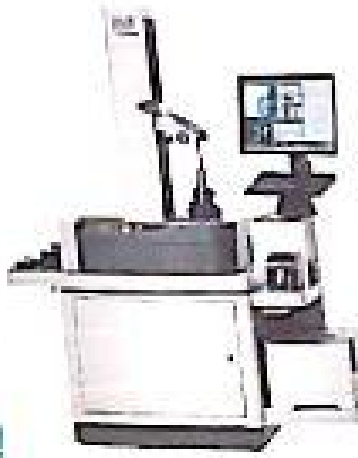


iView Camera is a measuring system that is able to measure the ground tool while it is still in the work-holding on the machine. The image of the ground tool as taken by the iView camera is compared with an ideal overlay shape generated by the software. The tool size can then be compensated automatically based on the overlay. Eliminates the need to remove a tool from the grinder in order to check the dimensions

Reduces errors caused by relocating tool and manually compensating
90x - 360x range of tool magnification
Provides measuring accuracy to 2 microns
iView Camera is permanently mounted inside machine.

EZ ee Grind

INSPECTION FACILITY



7. SOME OF THEIR VALUED CUSTOMER

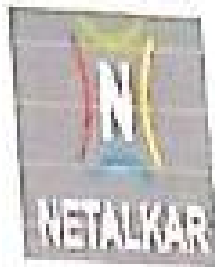


Kirloskar
Industries

AEQUS
Associates of Engineers



SHANTI
FOUNDRY
PRIVATE LIMITED



INDO
SCHÖTTE

patelgadam pvt ltd

KINEGO
Engineering

DME
Every step of the way



8. CORPORATE SOCIAL RESPONSIBILITIES

1. **Environmental Sustainability:** Microtech Engineering Corporation take steps to minimize its environmental impact by adopting sustainable practices and technologies. This can include reducing waste and energy consumption, implementing recycling programs, and promoting the use of renewable resources.
2. **Ethical Business Practices:** Microtech Engineering Corporation uphold high ethical standards throughout its operations. This includes fair treatment of employees, suppliers, and customers, as well as maintaining transparency and integrity in business dealings.
3. **Employee Well-being:** Ensuring the health, safety, and wellbeing of employees is an important aspect of CSR. This can involve providing a safe working environment, offering training and development opportunities, promoting work-life balance, and providing fair wages and benefits.
4. **Community Engagement:** Microtech Engineering Corporation engage with the local community and contribute to its development. This can involve supporting educational initiatives, participating in volunteer activities, and investing in community infrastructure. The company may also collaborate with local organizations or NGOs to address social issues, such as poverty alleviation or supporting marginalized communities.
5. **Innovation and Research:** Microtech Engineering Corporation prioritize innovation and research to develop sustainable and socially beneficial solutions. This may involve investing in research and development projects that address environmental or societal challenges.

9. LEARNING EXPERIENCE :

During my internship, I learned how to communicate and build relationships with the people I worked with. I learned how to introduce myself, talk about my interests, knowledge and skills with entrepreneurs and business owners, as well as how to ask questions and gain a better understanding of businesses not only in the working space, but also others in the market. This process overall helped me develop my professional network and emphasised the importance of creating these connections. I also connected with most of them via LinkedIn, which is obviously a great networking platform for professionals.

How to put my knowledge and skills into practice From conducting comprehensive competitor analysis research, to designing a marketing and communication plan, my knowledge of business and marketing theories was transformed into a series of practical techniques and skills that I can now implement in real-life business scenarios, all thanks to my internship.

Understanding workplace culture influences communication, and as an international student, I learned that every company or organisation has its own culture. It's essential to observe others and learn how they engage and interact with co-workers, or help them with projects and tasks. I quickly learned that whenever something is unclear for me, or I don't understand, it's fine to ask for clarification.

Enthusiasm is invaluable , As an intern, I discovered it's essential to be enthusiastic and open to learning new skills, asking for more work and being curious to learn and ask questions. This attitude will show that you enjoy being part of the team and that you're keen to help. Having curiosity and enthusiasm also means that, as an intern, you get a lot out of what you're doing, which opens lots of opportunities.

I am really grateful to have had the opportunity to do an internship and have received so much value from what I learned.

9. OUTCOME:

During my internship, I learned how to communicate and build relationships with the people I worked with, learned how to introduce myself, talk about my interests, knowledge and skills with entrepreneurs and business owners, as well as how to ask questions and gain a better understanding of businesses not only in the co-working space, but also others in the industry. This process overall helped me develop my professional network and emphasised the importance of creating these connections.

I was able to put my knowledge and skills into practice from conducting comprehensive competitor analysis research, to designing a marketing and communication plan, my theoretical knowledge of business and marketing theories was transformed into a series of practical techniques and skills that I can now implement in real-life business scenarios, all thanks to my internship.

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Objectives

- 1. To apply and a variety of problem solving
- 2. To improve thinking skill
- 3. To develop positive attitude to word mathematical
- 4. To promote Mathematical communication
- 5. To develop Mathematical Knowledge