



भारतीय प्रौद्योगिकी संस्थान हैदराबाद

कंडि - ५०२ २८५, संगारेड्डी, तेलंगाना, भारत.
फोन : +९१-४०-२३०९ ६०३३, फैक्स : +९१-४०-२३०९ ६०३२

Indian Institute of Technology Hyderabad

Kandi - 502 285, Sangareddy, Telangana, INDIA
Phone: (040) 2301 6033; Fax: (040) 2301 6032

To whome it may concern

This is to certify that "Ms. Vaishnavi G" had successfully completed his summer internship starting from **15thMay 2019 to 30thJune 2019** at Department of Materials Science and Metallurgical Engineering, Indian Institute of Technology Hyderabad. She has successfully completed the project and submitted a report on "Synthesis of (Ba,Ca)(Zr,Ti)O₃ based morphotropic compositions of lead free piezoelectrics"

Dr. RANJITH RAMADURAI
Associate Professor & Supervisor,
Department of Materials Science & Metallurgical Engineering,
Indian Institute of Technology Hyderabad.

सह प्रोफेसर /Associate Professor
भारतीय प्रौद्योगिकी संस्थान हैदराबाद
Indian Institute of Technology Hyderabad
Kandi, Sangareddy - 502 285, Telangana, India



Rajiv Gandhi University of Knowledge Technologies (RGUKT), Basara campus
Summer Internship Programme (2019)
Evaluation Sheet

PART: A (*To be filled by student*)

Applicant: Please complete the following details before submitting the sheet to Supervisor/Advisor/Guide from the hosting company/organization.

Date: 06-07-2019

Name of the student : NUNE NAVEENA

Roll Number : B141359

Branch: Metallurgical & Materials Engineering

Title of the work for intern: 'Study the effect of TiO₂ particle dispersion on the mechanical properties of Al_{0.2}CoCrFeNi High Entropy Alloy through Powder Metallurgy Route'.

N.Naveena

Signature of Student

PART: B (*To be filled by supervisor/guide*)

Respondent:

Name of Supervisor/Guide/Advisor : Dr. Rajesh Korla

Title/Position : Assistant Professor

Name of the Organization : IIT Hyderabad

Duration of internship : From 15th May 2019 to 30th July 2019

Email: rajeshk@iith.ac.in Mobile No: -9676468326

Please complete the following details for this candidate. We would appreciate your opinion concerning the applicant's aptitude and potential based on your knowledge of his/her work.

The following components may be considered before awarding the total marks (out of 40) student's performance including motivation and interest, Actual work done (quality and outcome), mastery and concepts involved in the work, Report Submitted, Attendance & Sincerity.

The evaluation of B.Tech Summer 2 month's internship for maximum of 100 Marks will be done as per guidelines given below:

1. 60 Marks are allocated for presentation, viva voce and report writing/documentation.
2. 40 Marks are allocated for Supervisor's evaluation.

SUPERVISOR EVALUATION (Out of 40):

.....35..... (In figures);Thirty Five..... (In words)

Signature of Supervisor/Guide/Advisor

Name of the Supervisor/guide/Advisor

(Dr.Rajesh korla)

(Office Seal)

Request to the supervisor/guide/Advisor: Details in the above form should be filled up and put it in an

Department of Metallurgical and Materials Engineering



National Institute of Technology, Warangal

(An Institute of National Importance)

Warangal – 506 004, TELANGANA STATE, INDIA

Phone : +91-870-246-2500/01 Fax: +91-870-245-9547 Web: www.nitw.ac.in
Email: mme_hod@nitw.ac.in, Mobile: +91- 949-016-5345

Dr. C.Vanitha
Assoc.Professor & HOD

Date: 31.07.2019

To Whomsoever It May Concern

This is to certify that Miss. V.POOGA, ID no : B141309, a student of Bachelor of Technology, Rajiv Gandhi University of Knowledge Technologies (IIIT Basar) worked under supervision of Dr. N. Kisore Babu, Associate Professor, during her internship period at the National Institute of Technology, Warangal (NITW) for the period from 20.05.2019 to 05.07.2019. I am pleased to state that she worked hard for her project entitled "**Laser beam Welding of Advanced High Strength Steels**" and she has been able to present a good picture of the concerned works. The information and findings presented in the report seems to be authentic.

Miss. V.POOGA possesses a good moral character and pleasing personality. I wish every success in her life.

C. Vanitha 31/7/19
HEAD OF THE DEPARTMENT



Department of Metallurgical and Materials Engineering
National Institute of Technology, Warangal
(An Institute of National Importance)
Warangal – 506 004, TELANGANA STATE, INDIA



Phone : +91-870-246-2500/01 Fax: +91-870-245-9547 Web: www.nitw.ac.in
Email: mme_hod@nitw.ac.in, Mobile: +91- 949-016-5345

Dr. C.Vanitha
Assoc.Professor & HOD

Date: 31.07.2019

To Whomsoever It May Concern

This is to certify that Miss. D.CHANDRAKALA, ID no : B141153, a student of Bachelor of Technology, Rajiv Gandhi University of Knowledge Technologies (IIIT Basar) worked under supervision of Dr. Asit Kumar Khanra, Associate Professor, during her internship period at the National Institute of Technology, Warangal (NITW) for the period from 20.05.2019 to 05.07.2019. I am pleased to state that she worked hard for her project entitled “Sintering behaviour of Al – alloys (Al – Cu – Mg – Si) produced through Powder Metallurgy” and she has been able to present a good picture of the concerned works. The information and findings presented in the report seems to be authentic.

Miss. D.CHANDRAKALA possesses a good moral character and pleasing personality. I wish every success in her life.

C. Vanitha 31/7/19

HEAD OF THE DEPARTMENT



CERTIFICATE

This is to certify that the Mini Project work entitled. “ To study the two body abressive wear behaviour of enginerring materials”. Submitted by Nagam Sai Teja bearing Roll No. B141257 in partial fulfillment of the requirements for the award of the degree of **Bachelors of Technology in Metallurgical and Engineering (MME)** is a bonafide record of the work that has been carried out by her under my supervision. This report has not been submitted previously in part or in full to this or any other University or Institution for the award of any degree or diploma.


Dr. Avishkar Bhaurao Rathod
Assistant Professor, NITW.

CERTIFICATE

This is to certify that the Mini Project work entitled, "The Sintering behavior of Al-alloys (Al-Cu-Mg-Si) produced through Powder Metallurgy", submitted by Dovoore Chandrakala, bearing Roll. No. B141153 in partial fulfillment of the requirements for the award of the degree of **Bachelors of Technology in Metallurgical and Materials Engineering (MME)** is a bonafide record of the work that has been carried out by her under my supervision. This report has not been submitted previously in part or in full to this or any other University or Institution for the award of any degree.



Dr. Asit Kumar Khanra
Associate Professor
National Institute Of Technology
Warangal-506002
Telangana, India.

Department of Metallurgical and Materials Engineering
Rajiv Gandhi University of Knowledge Technologies



CERTIFICATE

This is to certify that the report entitled "**Friction Stir Processing of Grooved Aluminium 6531-HE30 Alloy**" is a bonafide record of work carried out by "**Ms. Swetha Nadimeta(B141394)**", submitted to the faculty of "**Department of Metallurgical and Materials Engineering**", RGUKT, Basar in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in "**Metallurgical and Materials Engineering**" during the academic year 2018-2019.

Dr. Ajay Revelly

Assistant Professor

Project co-guide

Metallurgical and Materials
Engineering RGUKT Basar.



21/6

Dr. Uma Maheswara Rao Seelam

Assistant Professor

Project Supervisor

Metallurgical and Materials
Engineering NIT Warangal.

A. Ashok Kumar

Assistant Professor

Head of Department

Metallurgical and Materials
Engineering RGUKT Basar.



21/6

Dr. C. Vanitha

Associate Professor

Head of Department

Metallurgical and Materials
Engineering NIT Warangal



CERTIFICATE

This is to certify that the Mini Project work entitled, "Creep behaviour of Al-Si-Mg alloy by hot impression creep test". Submitted by chelika shailaja bearing Roll. No. B141599 in partial fulfillment of the requirements for the award of the degree of **Bachelors of Technology in Metallurgical and Materials Engineering (MME)** is a bonafide record of the work that has been carried out by her under my supervision. This report has not been submitted previously in part or in full to this or any other University or Institution for the award of any degree or diploma.

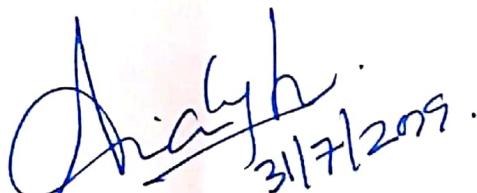
C. Vanitha
18/2/18

Dr.C. VANITHA
Associate professor and Head
National Institute Of Technology
Warangal-506002
Telangana, India.



CERTIFICATE

This is to certify that the Mini Project work entitled. "**Damping properties of pure aluminum fabricated by cold rolling and friction stir processing**" submitted by **Md Sajeena** bearing Roll.No. **B141122** in partial fulfillment of the requirements for the award of the degree of **Bachelors of Technology in Metallurgical and Materials Engineering (MME)** is a bonafide record of the work that has been carried out by her under my supervision. This report has not been submitted previously in part or in full to this or any other University or Institution for the award of any degree or diploma.



A handwritten signature in blue ink, appearing to read "Arockia Kumar". Below the signature, the date "31/7/2019" is written.

Dr. R. Arockia Kumar

Assistant professor

National Institute of Technology

Warangal-506002

Telangana, India.

CERTIFICATE

This is to certify that the Mini Project work entitled, "Laser beam welding of advanced high strength steels". Submitted by Akubathini Supriya bearing Roll No. B131538 in partial fulfillment of the requirements for the award of the degree of **Bachelors of Technology** in Metallurgical and Engineering (MME) is a bonafide record of the work that has been carried out by her under my supervision. This report has not been submitted previously in part or in full to this or any other University or Institution for the award of any degree or diploma.


: Mahesh Kumar Talari
Associate Professor
National Institute Of Technology
Warangal-506002
Telangana, India.

Head Of the Department
A.Ashok Kumar

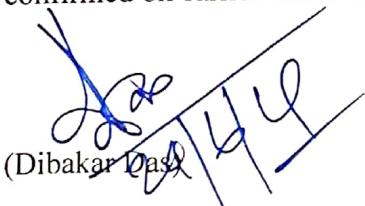
Dr. Dibakar Das
Professor,
School of Engineering Sciences and Technology (SEST)
University of Hyderabad
Hyderabad - 500046, INDIA
E-mail: ddse@uohyd.ernet.in or dibakar1871@gmail.com
Tel: 91 - 040 – 23134454 (Office), 91-9493332457 (Mobile)



Date: 24th june, 2019

To Whom It May Concern

This is to certify that Ms. K. Mounika, a bachelor student in the department of Metallurgical and Materials Engineering at IIIT Basar, has carried out a research work on synthesis of polycrystalline calcium titanate (CaTiO_3) ceramics and their characterizations for structural and microstructural properties. Mounika has synthesized CaTiO_3 powders by conventional solid state method. The powders have subsequently been calcined, pelletized and sintered at suitable temperature. CaTiO_3 sintered pellets have been characterized for structural and microstructural properties using XRD and SEM. The project is carried out in the School of engineering sciences and technology (SEST), University of Hyderabad during May-June, 2019 under my supervision. The work carried out by her does not form part of any other project report or dissertation on the basis of which a degree or award was confirmed on earlier occasions on this or any other candidate.


(Dibakar Das)
DIBAKAR DAS, Ph.D., FIIC
Professor
School of Engineering Sciences and Technology
University of Hyderabad, Prof. C. R. Rao Road,
Gachibowli, Hyderabad 500 046, INDIA

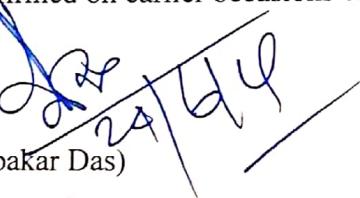
Dr. Dibakar Das
Professor,
School of Engineering Sciences and Technology (SEST)
University of Hyderabad
Hyderabad - 500046, INDIA
E-mail: ddse@uohyd.ernet.in or dibakar1871@gmail.com
Tel: 91 - 040 – 23134454 (Office), 91-9493332457 (Mobile)



Date: 24th june, 2019

To Whom It May Concern

This is to certify that Ms. M. Harika, a bachelor student in the department of Metallurgical and Materials Engineering at IIIT Basar, has carried out a research work on synthesis of polycrystalline calcium titanate (CaTiO_3) ceramics and their characterizations for structural and microstructural properties. Harika has synthesized CaTiO_3 powders by conventional solid state method. The powders have subsequently been calcined, pelletized and sintered at suitable temperature. CaTiO_3 sintered pellets have been characterized for structural and microstructural properties using XRD and SEM. The project is carried out in the School of engineering sciences and technology (SEST), University of Hyderabad during May-June, 2019 under my supervision. The work carried out by her does not form part of any other project report or dissertation on the basis of which a degree or award was confirmed on earlier occasions on this or any other candidate.


(Dibakar Das)

DIBAKAR DAS, Ph.D., FIIC

Professor

School of Engineering Sciences and Technology
University of Hyderabad, Prof. C. R. Rao Road,
Gachibowli, Hyderabad 500 046, INDIA

Dr. Dibakar Das
Professor,
School of Engineering Sciences and Technology (SEST)
University of Hyderabad
Hyderabad - 500046, INDIA
E-mail: ddse@uohyd.ernet.in or dibakar1871@gmail.com
Tel: 91 - 040 – 23134454 (Office), 91-9493332457 (Mobile)



Date: 24th june, 2019

To Whom It May Concern

This is to certify that Ms. B. Akhila, a bachelor student in the department of Metallurgical and Materials Engineering at IIIT Basar, has carried out a research work on synthesis of polycrystalline bismuth ferrite (BiFeO_3) ceramics and their characterizations for structural and microstructural properties. Akhila has synthesized BiFeO_3 powders by combustion method. The powders have subsequently been calcined, pelletized and sintered at suitable temperature. BiFeO_3 sintered pellets have been characterized for structural and microstructural properties using XRD and SEM. The project is carried out in the School of engineering sciences and technology (SEST), University of Hyderabad during May-June, 2019 under my supervision. The work carried out by her does not form part of any other project report or dissertation on the basis of which a degree or award was confirmed on earlier occasions on this or any other candidate.

(Dibakar Das)

DIBAKAR DAS, Ph.D., FIIC

Professor

School of Engineering Sciences and Technology
University of Hyderabad, Prof. C. R. Rao Road,
Gachibowli, Hyderabad 500 046, INDIA

Dr. Dibakar Das
Professor,
School of Engineering Sciences and Technology (SEST)
University of Hyderabad
Hyderabad - 500046, INDIA
E-mail: ddse@uohyd.ernet.in or dibakar187I@gmail.com
Tel: 91 - 040 – 23134454 (Office), 91-9493332457 (Mobile)



Date: 24th june, 2019

To Whom It May Concern

This is to certify that Ms. B. Mounika, a bachelor student in the department of Metallurgical and Materials Engineering at IIIT Basar, has carried out a research work on synthesis of polycrystalline bismuth ferrite (BiFeO_3) ceramics and their characterizations for structural and microstructural properties. Mounika has synthesized BiFeO_3 powders by combustion method. The powders have subsequently been calcined, pelletized and sintered at suitable temperature. BiFeO_3 sintered pellets have been characterized for structural and microstructural properties using XRD and SEM. The project is carried out in the School of engineering sciences and technology (SEST), University of Hyderabad during May-June, 2019 under my supervision. The work carried out by her does not form part of any other project report or dissertation on the basis of which a degree or award was confirmed on earlier occasions on this or any other candidate.

(Dibakar Das)

DIBAKAR DAS, Ph.D., FIIC

Professor

School of Engineering Sciences and Technology
University of Hyderabad, Prof. C. R. Rao Road,
Gachibowli, Hyderabad 500 046, INDIA

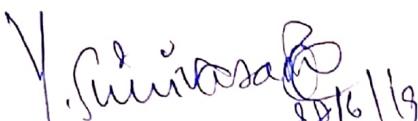
CERTIFICATE

This is to certify that the report entitled "**Structure-property Correlation in MgO Ceramics**" has been submitted by **Mr.G. Sriram prasad**, (Metallurgical & Materials Engineering) **IIIT BASAR, TELANGANA**, is an outcome of his participation in the Summer Research Internship Program of ARC International, Hyderabad. He has carried out the work presented in this report from May 2019 to June 2019, at the Centre for Ceramic Processing under my supervision and guidance.


Dr. M Buchi Suresh

Scientist-E

Centre for Ceramic Processing


Dr. Y. SRINIVASA RAO
Scientist-F & Team Leader
Centre for Ceramic Processing

డॉ. याई. श्रीनिवास राव

Dr. Y. SRINIVASA RAO

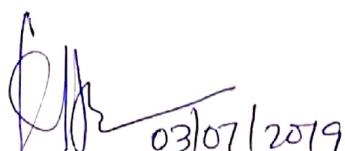
विज्ञान / वैज्ञानिक / Scientist

ए.आर.आर.आर. / ARCI

विज्ञान एवं प्रौद्योगिकी विश्वविद्यालय, भास्कर अकादमी,
Dept. of Science & Technology, Govt. of India
బుల్లಹार, ఆంధ్రప్రదీప, హైదరాబాద్, ఆంధ్రప్రదీప, భారత

CERTIFICATE

This is to certify that the work entitled as a "SYNTHESIS AND CHARACTERIZATION OF NANO CHROMIUM CARBIDE" has been submitted by Ms. M. KAVERI, in partial fulfilment of the requirements of B. Tech Minor Training Program from International Advanced Research Centre for Powder Metallurgy and New Materials(ARCI),Hyderabad is a record of work carried out by her at Centre for Nano Materials from May 2019 to June 2019 under our supervision and guidance.



03/07/2019
SUPERVISOR

(Dr. Kaliyan Hembram)

Scientist-E

Centre for Nanomaterials
ARCI-Hyderabad



3/7/2019
TEAM LEADER

(Dr. R..Vijay)

Scientist-F

Centre for Nanomaterials
ARCI- Hyderabad



इंटरनेशनल एडवांस्ड रिसर्च सेंटर फॉर पाउडर मेटलर्जी एंड न्यू मॅटेरियल्स
INTERNATIONAL ADVANCED RESEARCH CENTRE FOR
POWDER METALLURGY AND NEW MATERIALS

(विज्ञान एवं प्रौद्योगिकी विभाग, भारत सरकार का स्वायत्त अनुसंधान एवं विकास केन्द्र)
 (An Autonomous Research & Development Centre of Department of Science & Technology Govt. of India)

डाक घर: बालापुर, हैदराबाद - 500 005, तेलंगाना, भारत.
P.O: Balapur, Hyderabad - 500 005, Telangana, INDIA.

CERTIFICATE

This is to certify that project entitled “Nano Mechanical characterisation of cold sprayed metal matrix composites”, is a bonafide work done by Naveen Kottamaraju, Department of Metallurgical and Materials Engineering, Rajiv Gandhi University of Knowledge Technologies (RGUKT), IIIT Basar, as a part of Summer Internship.

This represents original research work and no part of this work has been submitted for the award of any other degree or diploma. This work was carried out during the time period from 15 May 2019 to 2 July 2019.

Dr. Naveen Manhar Chavan
Scientist - D,
CEC, ARCI

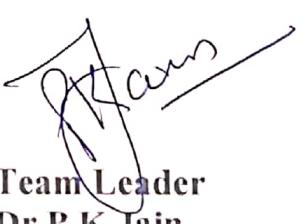
**Dr.D.Srinivasa Rao,
Team Leader,
Scientist – G,
Centre for Engineered Coatings,
ARCI, Hyderabad – 500005.**



CERTIFICATE

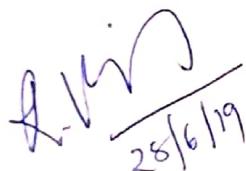
This is to certify that the entitled as "Thermal Properties Of Graphene-Myristic Acid Based Phase Change Materials" has been submitted by Ms .N. Prathyusha in fulfilment of the requirements of B.Tech Minor training program from **International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI)**,Hyderabad is a record of work carried out by here at Centre for Carbon Materials(CCM) May 2019 to July 2019 under our supervision and guidance.


Supervisor
Mr. Balaji Padya
(Scientist-D)
Centre for Carbon Materials
ARCI - Hyderabad


Team Leader
Dr.P.K Jain
(Scientist-F)
Centre for Carbon Materials
ARCI - Hyderabad

CERTIFICATE

This is to certify that the research work entitled "***Characterization of Fe coated core shell particles***" is a bonafide work done by G. Samuel Suraj, Summer Intern, Centre for Nano Materials, ARCI Hyderabad. This report represents the original research work carried out at the Centre for Nano Materials and it is not submitted elsewhere.



28/6/19

Dr. R. Vijay
Team Leader
Scientist-F
CNM
ARCI, Hyderabad



. 28/6/2019

Dr. Malobika Karanjai
Scientist-F
CNM
ARCI, Hyderabad

KGN DECCAN ENGINEERING INDUSTRIES

29 & 32, IDA, Balanagar, Hyderabad, Telangana 500037

Phone: 040 31009365

CERTIFICATION OF INTERNSHIP

Date: 02/07/2019

This is to certify that Mr. V. JEEVAN(B141123) is the student of RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES(BASARA) pursuing B.TECH (METALLURGICAL AND MATERIALS ENGINEERING) has done project work entitle "**DEVELOPMENT OF COMPOSITES BY POWDER METALLURGY**" from **15-05-2019 to 30-06-2019** for the award of the certificate for the degree mentioned above and that this report is a bonafide account of the project work carried out under our guidance. The student displayed analytical capability, has innovation approach to solve problems and has produced good result.

This person has completed the assigned project well within the time frame. he is sincere, hardworking and his conduct during period is commendable.

We wish to all the best in this endeavor.


With Best Regards
KGN DECCAN PVT LTD
Hyd

KGN DECCAN ENGINEERING INDUSTRIES PVT LTD

HR- Manager

KGN DECCAN ENGINEERING INDUSTRIES

29 & 32, IDA, Balanagar, Hyderabad, Telangana 500037
Phone: 040 31009365

CERTIFICATION OF INTERNSHIP

Date: 02/07/2019

This is to certify that Mr. M. SRIKANTH(B141591) is the student of RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES(BASARA) pursuing B.TECH (METALLURGICAL AND MATERIALS ENGINEERING) has done project work entitle "DEVELOPMENT OF COMPOSITES BY POWDER METALLURGY" from 15-05-2019 to 30-06-2019 for the award of the certificate for the degree mentioned above and that this report is a bonafide account of the project work carried out under our guidance. The student displayed analytical capability, has innovation approach to solve problems and has produced good result.

This person has completed the assigned project well within the time frame. he is sincere, hardworking and his conduct during period is commendable.

We wish to all the best in this endeavor.


With Best Regards

KGN DECCAN PVT LTD
R. Jayaram

K G N DECCAN ENGINEERING INDUSTRIES PVT .LTD

HR- Manager

KGN DECCAN ENGINEERING INDUSTRIES

29 & 32, IDA, Balanagar, Hyderabad, Telangana 500037

Phone: 040 31009365

CERTIFICATION OF INTERNSHIP

Date: 02/07/2019

This is to certify that Mr. S. BHARATH(B141022) is the student of RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES(BASARA) pursuing B.TECH (METALLURGICAL AND MATERIALS ENGINEERING) has done project work entitle “DEVELOPMENT OF COMPOSITES BY POWDER METALLURGY” from 15-05-2019 to 30-06-2019 for the award of the certificate for the degree mentioned above and that this report is a bonafide account of the project work carried out under our guidance. The student displayed analytical capability, has innovation approach to solve problems and has produced good result.

This person has completed the assigned project well within the time frame. he is sincere, hardworking and his conduct during period is commendable.

We wish to all the best in this endeavor.


With Best Regards
S. Bharath
KGN DECCAN PVT LTD

K G N DECCAN ENGINEERING INDUSTRIES PVT .LTD

HR- Manager

KGN DECCAN ENGINEERING INDUSTRIES

29 & 32, IDA, Balanagar, Hyderabad, Telangana 500037

Phone: 040 31009365

CERTIFICATION OF INTERNSHIP

Date: 02/07/2019

This is to certify that Mr. V. BHANUPRASAD(B141238) is the student of RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES(BASARA) pursuing B.TECH (METALLURGICAL AND MATERIALS ENGINEERING) has done project work entitle “DEVELOPMENT OF COMPOSITES BY POWDER METALLURGY” from 15-05-2019 to 30-06-2019 for the award of the certificate for the degree mentioned above and that this report is a bonafide account of the project work carried out under our guidance. The student displayed analytical capability, has innovation approach to solve problems and has produced good result.

This person has completed the assigned project well within the time frame. he is sincere, hardworking and his conduct during period is commendable.

We wish to all the best in this endeavor.


With Best Regards
R. Jayaram

K G N DECCAN ENGINEERING INDUSTRIES PVT .LTD

HR- Manager

KGN DECCAN ENGINEERING INDUSTRIES

29 & 32, IDA, Balanagar, Hyderabad, Telangana 500037

Phone: 040 31009365

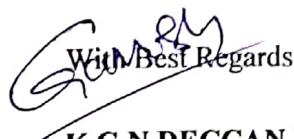
CERTIFICATION OF INTERNSHIP

Date: 27/06/2019

This is to certify that Mr. G. RAJU (B141327) is the student of RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES (BASARA) pursuing B.TECH (METALLURGICAL AND MATERIALS ENGINEERING) has done project work entitle “REINFORCEMENT OF ALUMINUM CASTINGS WITH DISSIMILAR METALS ” from 10-05-2019 to 25-06-2019 for the award of the certificate for the degree mentioned above and that this report is a bonafide account of the project work carried out under our guidance. The student displayed analytical capability, has innovation approach to solve problems and has produced good result.

This person has completed the assigned project well within the time frame. he is sincere, hardworking and his conduct during period is commendable.

We wish to all the best in this endeavor.


With Best Regards

KGN DECCAN PVT LTD

Raju

K G N DECCAN ENGINEERING INDUSTRIES PVT .LTD

HR- Manager

KGN DECCAN ENGINEERING INDUSTRIES

29 & 32, IDA, Balanagar, Hyderabad, Telangana 500037

Phone: 040 31009365

CERTIFICATION OF INTERNSHIP

Date: 27/06/2019

This is to certify that **Mr. KARI SIVA (B141584)** is the student of **RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES (BASARA)** pursuing **B.TECH (METALLURGICAL AND MATERIALS ENGINEERING)** has done project work entitle "**REINFORCEMENT OF ALUMINUM CASTINGS WITH DISSIMILAR METALS**" from **10-05-2019 to 25-06-2019** for the award of the certificate for the degree mentioned above and that this report is a bonafide account of the project work carried out under our guidance. The student displayed analytical capability, has innovation approach to solve problems and has produced good result.

This person has completed the assigned project well within the time frame. he is sincere, hardworking and his conduct during period is commendable.

We wish to all the best in this endeavor.


With Best Regards

KCN DECCAN PVT LTD
Hyd

 KGN DECCAN ENGINEERING INDUSTRIES PVT LTD

HR- Manager

KGN DECCAN ENGINEERING INDUSTRIES

29 & 32, IDA, Balanagar, Hyderabad, Telangana 500037
Phone: 040 31009365

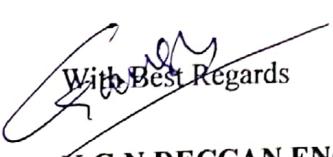
CERTIFICATION OF INTERNSHIP

Date: 27/06/2019

This is to certify that **Mr. D. LAXMAN (B141951)** is the student of **RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES (BASARA)** pursuing **B.TECH (METALLURGICAL AND MATERIALS ENGINEERING)** has done project work entitle **“REINFORCEMENT OF ALUMINUM CASTINGS WITH DISSIMILAR METALS ”** from **10-05-2019 to 25-06-2019** for the award of the certificate for the degree mentioned above and that this report is a bonafide account of the project work carried out under our guidance. The student displayed analytical capability, has innovation approach to solve problems and has produced good result.

This person has completed the assigned project well within the time frame. he is sincere, hardworking and his conduct during period is commendable.

We wish to all the best in this endeavor.

 **KGN DECCAN PVT LTD**

With Best Regards

Lya

K G N DECCAN ENGINEERING INDUSTRIES PVT .LTD

HR- Manager

KGN DECCAN ENGINEERING INDUSTRIES

29 & 32, IDA, Balanagar, Hyderabad, Telangana 500037

Phone: 040 31009365

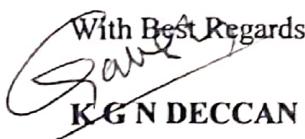
CERTIFICATION OF INTERNSHIP

Date: 02/07/2019

This is to certify that Ms. K.PAVANI(B141944) is the student of RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES (BASARA) pursuing B.TECH (METALLURGICAL AND MATERIALS ENGINEERING) has done project work entitle “FRICTION STIR CASTING” from 15-05-2019 to 30-06-2019 for the award of the certificate for the degree mentioned above and that this report is a bonafide account of the project work carried out under our guidance. The student displayed analytical capability, has innovation approach to solve problems and has produced good result.

This person has completed the assigned project well within the time frame. She is sincere, hardworking and her conduct during period is commendable.

We wish to all the best in this endeavor.


With Best Regards
Gauri
KGN DECCAN ENGINEERING INDUSTRIES PVT .LTD

KGN DECCAN PVT LTD
Hyd

HR- Manager

KGN DECCAN ENGINEERING INDUSTRIES

29 & 32, IDA, Balanagar, Hyderabad, Telangana 500037
Phone: 040 31009365

CERTIFICATION OF INTERNSHIP

Date: 02/07/2019

This is to certify that Ms. B. RIYANKA(B141964) is the student of RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES(BASARA) pursuing B.TECH (METALLURGICAL AND MATERIALS ENGINEERING) has done project work entitle "FRICTION STIR CASTING" from 15-05-2019 to 30-06-2019 for the award of the certificate for the degree mentioned above and that this report is a bonafide account of the project work carried out under our guidance. The student displayed analytical capability, has innovation approach to solve problems and has produced good result.

This person has completed the assigned project well within the time frame. She is sincere, hardworking and her conduct during period is commendable.

We wish to all the best in this endeavor.


With Best Regards

KGN DECCAN PVT LTD
khyd

K G N DECCAN ENGINEERING INDUSTRIES PVT .LTD

HR- Manager

KGN DECCAN ENGINEERING INDUSTRIES

29 & 32, IDA, Balanagar, Hyderabad, Telangana 500037

Phone: 040 31009365

CERTIFICATION OF INTERNSHIP

Date: 01/07/2019

This is to certify that Mr. G. SUMAN (B141749) is the student of RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES (BASARA) pursuing B.TECH (METALLURGICAL AND MATERIALS ENGINEERING) has done project work entitle "MINE VENTILATION" from 15-05-2019 to 30-06-2019 for the award of the certificate for the degree mentioned above and that this report is a bonafide account of the project work carried out under our guidance. The student displayed analytical capability, has innovation approach to solve problems and has produced good result.

This person has completed the assigned project well within the time frame. he is sincere, hardworking and his conduct during period is commendable.

We wish to all the best in this endeavor.

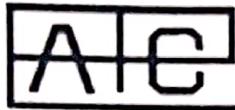
With Best Regards,

KGN DECCAN PVT LTD

Hyd

K G N DECCAN ENGINEERING INDUSTRIES PVT .LTD

HR- Manager



AMRITHA TOOL CRAFTS PVT. LTD
Designers & Mfrs. of Injection Molds & Blow Molds

CERTIFICATION OF INTERNSHIP

Date: 02-07-2019

This is to certify that **Mr.GOKHA ANIL REDDY(B141301)** is the student of **RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES, BASARA** pursuing **B.TECH (METALLURGICAL AND MATERIALS ENGINEERING)** has done project work entitled "**INVESTMENT CASTING**" from **(14-05-2019 TO 29-06-2019)** for the award of the certificate for the degree mentioned above and that this report is a bonafide account of the project work carried out under our guidance. The student displayed analytical capability, has innovation approach to solve problems and has produced good result.

This person has completed the assigned project well within the time frame. He is sincere, hardworking and his conduct during period is commendable.

We wish to all the best in this endeavor.

With Best Regards
HR Manager

AMRITHA TOOL CRAFTS PVT LTD



SHRI GIRIJA ALLOY & POWER (I) PRIVATE LIMITED

WORKS & ADMIN OFFICE: SURVEY NO. 162 &153, A D B ROAD,
PEDDAPURAM - 533437, EAST GODAVARI (DIST) ANDHRA PRADESH, INDIA
Tel: 0884-2326999 | Fax: 0884-2326998

CERTIFICATION OF INTERNSHIP

DATE:04/07/2019

This is to certify that Mr. B.K.V.V.S SATISH(B141312) is the student of RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES BASARA Pursuing B.tech (METALLURGICAL AND MATERIAL ENGINEERING) has done project work entitle "PRODUCTION OF FERRO ALLOYS" from 18/05/2019 to 03/07/2019 for the award of certificate for the degree mentioned above and that this report is a bonafide account of the project work carried out under our guidance . The student displayed analytical capability has innovation approach to solve problems and has produced good results.

This person has completed the assigned project well within the time frame. He is sincere, hardworking and his conduct during period is commendable.

We wish to all the best in this endeavor.

With the Best Regards



SHRI GIRIJA ALLOY & POWER(INDIA) PRIVATE LIMITED

HR Manager.

SRINIVASA

CIN No U 2701 AP 2004 PTC U45091

RATED

CRISIL SME3



SHRI GIRIJA ALLOY & POWER (I) PRIVATE LIMITED

WORKS & ADMIN OFFICE: SURVEY NO. 162 &153, A D B. ROAD,
PEDDAPURAM - 533437, EAST GODAVARI (DIST.) ANDHRA PRADESH, INDIA
Tel: 0884-2326999 | Fax: 0884-2326998

CERTIFICATION OF INTERNSHIP

DATE:04/07/2019

This is to certify that Mr. P. Vamshi(B141054) is the student of RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES BASARA Pursuing B.tech (METALLURGICAL AND MATERIAL ENGINEERING) has done project work entitle "PRODUCTION OF FERRO ALLOYS" from 18/05/2019 to 03/07/2019 for the award of certificate for the degree mentioned above and that this report is a bonafide account of the project work carried out under our guidance . The student displayed analytical capability has innovation approach to solve problems and has produced good results.

This person has completed the assigned project well within the time frame. He is sincere, hardworking and his conduct during period is commendable.

We wish to all the best in this endeavor.

With the Best Regards



SHRI GIRIJA ALLOY & POWER(INDIA) PRIVATE LIMITED

HR Manager.

SRINIVASA

CIN No U 2701 AP 2004 PTC 043091

RATED
CRISIL SME 3

CERTIFICATE

This is to certify that the project report entitle " MINE VENTILATION " Submitted by "V. RANI "(B141989) a student of the Department of Metallurgical and materials Engineering affiliated to,Rajiv Gandhi University of Knowledge Technologies Basar in partial fulfillment of the requirement for the award of the degree of BACHELOR OF ENGINEERING in METALLURGICAL AND METARIALS ENGINEERING is a record of the bona fide work carried out by V. RANI during the academic year 2019-20.

Signature of Supervisor/Guide/Advisor
Name of the Supervisor/guide/Advisor

Head Of the Department

A.Ashok Kumar

CERTIFICATE

This is to certify that the project report entitle “ MINE VENTILATION ” Submitted by “CH.PRANITHA “(B131802)” a student of the Department of Metallurgical and materials Engineering, affiliated to, Rajiv Gandhi University of Knowledge Technologies Basar in partial fulfillment of the requirement for the award of the degree of BACHELOR OF ENGINEERING in METALLURGICAL AND METARIALS ENGINEERING is a record of the bona fide work carried out by CH. PRANITHA during the academic year 2019-20.

Signature of Supervisor/Guide/Advisor
Name of the Supervisor/guide/Advisor

Head Of the Department

A.Ashok Kumar

CERTIFICATE OF INTERNSHIP

This is to certify that the summer internship project report entitled "**DEVELOPMENT OF ALUMINIUM BASED SILICON CARBIDE PARTICULATE METAL MATRIX COMPOSITE**" submitted by **K.PRAVEEN REDDY**(ID.No.B141381) and **J.YOGENDHAR**(ID.No.B141496) 3rd year B.Tech METALLURGICAL & MATERIALS Engineering students of Rajiv Gandhi University of Knowledge Technologies(RGUKT), Basar, Telangana carried out under my supervision during 18-06-2019 to 03-07-2019.

SANDEEP REDDY

AMRITHA TOOL CRAFTS PVT.LTD

KGN DECCAN ENGINEERING INDUSTRIES

29 & 32, IDA, Balanagar, Hyderabad, Telangana 500037
Phone: 040 31009365

CERTIFICATION OF INTERNSHIP

Date: 01/07/2019

This is to certify that Ms. A. KARUNA (B131087) is the student of RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES (BASARA) pursuing B.TECH (METALLURGICAL AND MATERIALS ENGINEERING) has done project work entitle “MINE VENTILATION” from 15-05-2019 to 30-06-2019 for the award of the certificate for the degree mentioned above and that this report is a bonafide account of the project work carried out under our guidance. The student displayed analytical capability, has innovation approach to solve problems and has produced good result.

This person has completed the assigned project well within the time frame. She is sincere, hardworking and her conduct during period is commendable.

We wish to all the best in this endeavor.

With Best Regards


KGN DECCAN PVT LTD

KGN DECCAN ENGINEERING INDUSTRIES PVT .LTD

HR- Manager

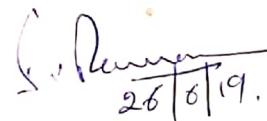
Government of India
Department of Atomic Energy
NUCLEAR FUEL COMPLEX

BONAFIDE CERTIFICATE

This is to certify that **Mr. MOHAMMAD IMRAN** has done his Project Work under my guidance during the period from **27 may 2019** to **26 june 2019** on the topic entitled "**Identification of crystal structure by XRD method**" with reference to nuclear fuel complex.

It is ensured that the report does not contain classified Or Plant operational live data in any form.

Signature:



26/6/19.

Name: Shri. S.V. Ramana Rao.

Designation Of Guide: Sr. Manager.

Plant:Advanced material characterisation lab.

Hyderabad.

26 june 2019.

Approved by

The Manager of the Plant

एस.वी. रमना राव/S.V. Ramana Rao
प्रबंधक/Manager, सी. लैब /Char. Lab
भारत सरकार/Government of India
पर्यावरण/Dept. of Atomic Energy
नाभिकीय इंधन समिश्र/Nuclear Fuel Complex,
हैदराबाद/Hyderabad-500 062.



Sri Nara Cast Tech Pvt. Ltd.

Survey No. 620AA, Isnapur (V), Patancheru (M), Sangareddy Dt. Telangana State

Date.. 30.. 6.. 2019

Internship Certificate

This is to certify that

Mr.Begari Mahesh s/o Begari Sanjeevulu,
Roll No. **B141876** , a student of **Metallurgical & Material Engineering** , Rajiv Gandhi University Of Knowledge Technologies , Basar , has successfully completed 45 Days (from 15th – may , 2019 to 30th june , 2019) of Internship Programme. During his tenure he has worked on a project "**Production Techniques Of Sand Casting & Investment Casting**" Under the guidance of Mr.T. SuryaChandra at **Sri Nara Cast Tech Pvt.Ltd** . During the period of his internship programme with us he was found punctual,hardworking and inquisitive.

We wish him every success in life.

From, Sri Nara Cast Tech Pvt.Ltd

Authorized Signature



Phone : 08455 - 224757,
Cell : 9440881431, 9849333476
E-mail : naracasttech@gmail.com
web. www. srinaracasttech.com



Sri Nara Cast Tech Pvt. Ltd.

Survey No. 620AA, Isnapur (V), Patancheru (M), Sangareddy Dt. Telangana State

Date 30-6-2019

Internship Certificate

This is to certify that

Mr.Amidala Abhilash s/o Amidala Banaiah,
Roll No. **B141552** , a student of Metallurgical & Material Engineering , Rajiv Gandhi University Of Knowledge Technologies , Basar , has successfully completed 45 Days (from 15th – may , 2019 to 30th june , 2019) of Internship Programme. During his tenure he has worked on a project "**Production Techniques Of Sand Casting & Investment Casting**" Under the guidance of Mr.T. SuryaChandra at **Sri Nara Cast Tech Pvt.Ltd** . During the period of his internship programme with us he was found punctual,hardworking and inquisitive.

We wish him every success in life.

From, Sri Nara Cast Tech Pvt.Ltd

Authorized Signature



Phone : 08455 - 224757,
Cell : 9440881431, 9849333476
E-mail : naracasttech@gmail.com
web. www. srinaracasttech.com



Sri Nara Cast Tech Pvt. Ltd.

Survey No. 620AA, Isnapur (V), Patancheru (M), Sangareddy Dt. Telangana State

Date.. 30-6-2019

Internship Certificate

This is to certify that

Mr.Nagaraju Thumula s/o Mr.Thumula Ramchandram ,
Roll No. **B141320** , a student of **Metallurgical & Material Engineering** , Rajiv Gandhi University Of Knowledge Technologies , Basar , has successfully completed 45 Days (from 15th – may , 2019 to 30th june , 2019) of Internship Programme. During his tenure he has worked on a project "**Production Techniques Of Sand Casting & Investment Casting**" Under the guidance of Mr.T. SuryaChandra at **Sri Nara Cast Tech Pvt.Ltd** . During the period of his internship programme with us he was found punctual,hardworking and inquisitive.

We wish him every success in life.

From, Sri Nara Cast Tech Pvt.Ltd

Authorized Signature



Phone : 08455 - 224757,
Cell : 9440881431, 9849333476
E-mail : naracasttech@gmail.com
web. www. srinaracasttech.com