



MECH-HOD CKEC <mechhod@ckec.ac.in>

Internship Permission - Reg

2 messages

MECH-HOD CKEC <mechhod@ckec.ac.in>
To S M Forging <smforge_engineering@yahoo.com>

02 Feb 2022 at 16:06

Dear Sir,

Greetings from Department of Mechanical Engineering , Christ the King Engineering College.

We are delighted to be as a partner under the MoU signed on 15.10.2021
Inpreview of the MoU

we are hereby requesting you to permit our students who are listed below for internship.

1. G.Raja (710418114044)
2. G.Sanjay (710418114305)
3. S. Ajith Kumar (710418114301)
4. B.Shane Johnson (710418114054)

Looking forward your positive response

Thank and Regards

R.Hari Prasath
Head of Department
Mechanical Engineering
Christ the King Engineering College.

S M Forging <smforge_engineering@yahoo.com>
To: MECH-HOD CKEC <mechhod@ckec.ac.in>

02 Feb 2022 at 16:15

Dear Sir,

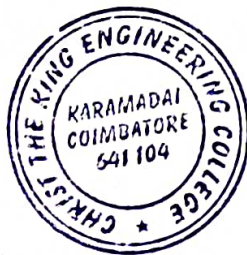
Good Day,

I am pleased to inform you that I have accepted an intarnship offer for the below students from 03.02.2022 to 31.05.2022. We are excited to welcome

- G.Raja (710418114044)
G.Sanjay (710418114305)
S.Ajith Kumar (710418114301)
B.Shane Johnson (710418114054)

We believe that the skills and knowledge they have acquired during their studies will be valuable assets to our team.

Thanks,
D.Sivakumar
Managing Director
S M Forging & Engineering Pvt. Ltd.
[Quoted text hidden]




Dr.M.JEYAKUMAR, M.E..Ph.D.
PRINCIPAL
CHRIST THE KING ENGINEERING COLLEGE,
Chikkarampalayam Village,
Karamadai, Mettupalayam Taluk,
Coimbatore - 641 104.



S.M. Forgings & Engineering



Plant 1 : 4B - A, Vadakku Thottam, Stanes Garden, Gulcose Company(West), N.G.G.O Colony(po), Coimbatore - 641 022
Plat 2 : S.F. No. 8/244, Samanaickenpalayam, No. 4 Veerapandi, Opp. Arivoli Nagar Road, Press Colony (PO), Coimbatore - 641 019
Email : smforge_engineering@yahoo.com | Mobile : +91 94426 28191 +91 94426 28190

GSTIN : 33ABKFS5101P1ZY

TO WHOMSOEVER IT MAY CONCERN

CERTIFICATE

This is to certify that Mr. G.Raja BE Student in Mechanical Engineering From Christ The King Engineering College, Coimbatore, has successfully completed the Internship at SM FORGINGS & ENGINEERING. Samanaickenpalayam Coimbatore Tamil Nadu 641019, during the period from 03.02.2022 to 31.05.2022.

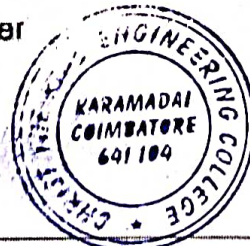
We wish him all the best in future endeavours.

For SM Forgings & Engineering.

SM FORGINGS & ENGINEERING

SM FORGINGS & ENGINEERING

D. S. S. K.
Partner



K. Jeyakumar
Dr. M. JEYAKUMAR, M.E., Ph.D.
PRINCIPAL
CHRIST THE KING ENGINEERING COLLEGE,
Chikkarampalayam Village,
Karamadai, Mettupalayam Taluk,
Coimbatore - 641 104.

**MFRS OF : FERROUS & NON - FERROUS FORGINGS COMPONENTS, FABRICATED SHEET
METAL WORKS, MACHINE COMPONENTS, PLASTIC MOULDING WORKS**



S.M. Forgings & Engineering



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Email : smforge_engineering@yahoo.com | Mobile : +91 94426 28191 +91 94426 28190

GSTIN : 33ABKFS5101P1ZY

TO WHOMSOEVER IT MAY CONCERN

CERTIFICATE

This is to certify that Mr. G Sanjay BE Student in Mechanical Engineering From Christ The King Engineering College, Coimbatore, has successfully completed the Internship at SM FORGINGS & ENGINEERING, Samanaickenpalayam Coimbatore Tamil Nadu-641019, during the period from 03.02.2022 to 31.05.2022.

We wish him all the best in future endeavours.


For SM Forgings & Engineering.

For S.M FORGINGS & ENGINEERING


Partner

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Dr. M. JEYAKUMAR, M.E., Ph.D.
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Coimbatore - 641 104.



S.M. Forgings & Engineering



Plant 1 : 48 - A, Vadakku Thottam, Stanes Garden, Gulcose Company(West), N.G.G.O Colony(po), Coimbatore - 641 022
Plant 2 : S.F. No. 8/244, Samanackanpalayam, No. 4 Veerapandi, Opp. Arivoli Nagar Road, Press Colony (PO), Coimbatore - 641 019
Email : smforge_engineering@yahoo.com | Mobile : +91 94426 28191 +91 94426 28190

GSTIN : 33ABKFS5101P1ZY

TO WHOMSOEVER IT MAY CONCERN

CERTIFICATE

This is to certify that Mr. S Ajith Kumar BE Student in Mechanical Engineering From Christ The King Engineering College, Coimbatore, has successfully completed the Internship at SM FORGINGS & ENGINEERING, Samanackanpalayam Coimbatore Tamil Nadu-641019, during the period from 03.02.2022 to 31.05.2022.

We wish him all the best in future endeavours.

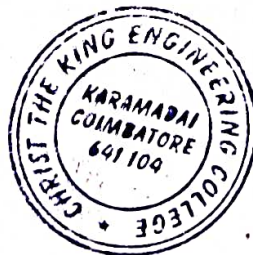
For SM Forgings & Engineering:

For SM FORGINGS & ENGINEERING

[Signature]
Partner

[Signature]
Dr. M. TEVAKUNJAR, M.E..Ph.D.
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Karamadai, Mettupalayam Taluk,
Coimbatore - 641 104.

MEMBERS OF FERROUS & NON-FERROUS FORGINGS COMPONENTS, FABRICATED SHEET
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S.M. Forgings & Engineering



Plant 1 : 48 - A, Vadakku Thottam, Stanes Garden, Gulcose Company(West), N.G.G.O Colony(po), Coimbatore - 641 022
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Email : smforge_engineering@yahoo.com | Mobile : +91 94426 28191 +91 94426 28190

GSTIN : 33ABKFS5101P1ZY

TO WHOMSOEVER IT MAY CONCERN

CERTIFICATE

This is to certify that Mr. B Shane Johnson BE Student in Mechanical Engineering From Christ The King Engineering College, Coimbatore, has successfully completed the Internship at SM FORGINGS & ENGINEERING, Samanaickenpalayam Coimbatore Tamil Nadu-641019, during the period from 03.02.2022 to 31.05.2022.

We wish him all the best in future endeavours.

For SM Forgings & Engineering.

For SM FORGINGS & ENGINEERING

[Signature]
Partner

[Signature]
Dr. M. JEYAKUMAR, M.E..Ph.D.
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Chikkarampalayam Village,
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Coimbatore - 641 104.

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DESIGN AND ASSEMBLY OF FIXTURE FOR UNIVERSAL HUB IN VMC



A PROJECT REPORT

Submitted by

G. RAJA

B. SHANE JOHNSON

S. AJITHKUMAR

G. SANJAY

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in

MECHANICAL ENGINEERING


CHRIST THE KING ENGINEERING COLLEGE

COIMBATORE

ANNA UNIVERSITY::CHENNAI 600025

JUNE 2022




Dr. M. JEYAKUMAR, M.E..Ph.D.
PRINCIPAL
CHRIST THE KING ENGINEERING COLLEGE,
Chikkarampalayam Village,
Karamadai, Mettupalayam Taluk,
Coimbatore - 641 104.

BONAFIDE CERTIFICATE

Certified that this project report "DESIGN AND ASSEMBLY OF FIXTURES FOR UNIVERSAL HUB IN VMC" is the bonafide work of "G.RAJA (710418114044), B.SHANE JOHNSON (710418114054), S.AJITHKUMAR (710418114301), G.SANJAY (710418114305) who carried out the project work under my supervision.



Prof. R. Hari Prasath
HEAD OF THE DEPARTMENT

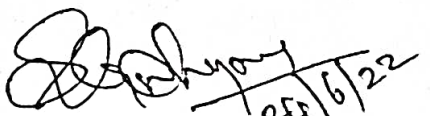
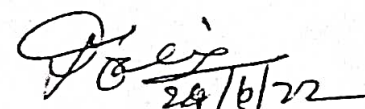
Department of Mechanical Engg.
Christ the King Engineering
College
Coimbatore-641104




Prof. R. Hari Prasath
SUPERVISOR
HEAD OF THE DEPARTMENT

Department of Mechanical Engg.
Christ the King Engineering
College
Coimbatore-641104

Submitted for the project viva voce held on 24/6/22


INTERNAL EXAMINER
EXTERNAL EXAMINER


Dr. M. JEYAKUMAR, M.E., Ph.D.
PRINCIPAL
CHRIST THE KING ENGINEERING COLLEGE,
Chikkarampalayam Village,
Karamadai, Mettupalayam Taluk,
Coimbatore - 641 104.

ABSTRACT

This project is based on designing of a fixture used in vertical milling center for machining a component called universal hub. The Universal hub is a component used in Magnetic drill. It is manufactured in an industry called SMFE. SMFE is manufacturer of ferrous, non-ferrous, fabricated sheets, metal works and machined components. In the manufacturing process of universal hub while using the existing fixture in vertical milling center that industry (SMFE) outsourcing milling operations. While using existing fixture module in vertical milling center that industry cannot produce counter sunk hexagonal slots and M10 threads in the universal hub. Our project is composed a "new design of a fixture for universal hub" used in vertical milling center which covers the absolute design to the specified dimensions of the work piece or universal hub. The new fixture module enables the industry (SMFE) to do the outsourcing milling operation in the industry (SMFE). This new fixture module enables the vertical milling center to do the counter sink and M10 threads in the universal hub. This new fixture module eliminates the transit time because while using new fixture there is no need to outsource the milling operations like M10 threads.

