

RESUME

CHINMAYA K C

No. 107, 3rd Block,
Lal Bahadur Shastri Nagar
Anjanapura B.D.A Layout, Bengaluru,
Karnataka – 560108

E-mail: kcchinmaya@gmail.com

Mobile No.: +91-9483018957

Objective:

To associate with a progressive organization, where I can use my experience and skills to achieve the organization objectives.

Experience: (4 years, 7 months)

1. **‘Project Associate- I’** at Centre for Nano Science and Engineering (CeNSE), Indian Institute of Science (IISc), Bengaluru, under Prof. M.M. Nayak.
01-11-2022 to 31-10-2023 (1 year)

Work Profile:

- ❖ Worked on Project ‘MEMS Axle Strain Gauge, funded by Volvo Group India Pvt. Ltd.,
(Strain Gauge- Mechanical & Electrical characterization, Calibration)
 - ❖ Worked on Project ‘MEMS Pressure Sensor’, funded by ISRO- LPSC
(Cooling System- Analytical analysis & Experimental testing)
 - ❖ Custom CAD drawings (2D, 3D) for sensor / PCB housings, prototypes, testing specimens etc.,
2. **‘Project Assistant’** at Centre for Nano Science and Engineering (CeNSE), Indian Institute of Science (IISc), Bengaluru, under Prof. Navakanta Bhat.
01-08-2020 to 31-10-2022 (2 years, 3 months)
 3. **‘Project Trainee’** at Centre for Nano Science and Engineering (CeNSE), Indian Institute of Science (IISc), Bengaluru, under Prof. Navakanta Bhat.
01-04-2019 to 31-07-2020 (1 year, 4 months)

Work Profile for Sl. Nos. 2 & 3:

- ❖ Carried out external user (academic / industry / startup) slots via user programs such as INUP (Indian Nanoelectronics Users’ Programme), I-STEM (Indian Science, Technology, Engineering Facilities Map), IAP (Industry Affiliate Program) for Gas Sensing Facility at CeNSE, IISc. This work highlights are;

- Determining project scope, develop a preliminary plan of investigation, and determining project specifications such as cost, time, and sample requirements by analysing user input, available supplemental data.
- Initiating communication with users to promote and explain the benefits of existing services via phone or social media.
- Following up on contacts from users.
- Communicating with users to discuss technical issues, explain CeNSE safety and protocol procedures, convey project cost, and negotiate completion date and sample requirements.
- Addressing user concerns and thereby resolve user issues.
- Establishing appropriate test process flow by reviewing request forms, and applying CeNSE requirements, so that the end result will be cost effective analysis with adequate results.
- Familiarity with CeNSE standards, manuals and appropriate technical literature.
- Examining samples for compliance with CeNSE requirements and notifying user of any areas in which the product is not in compliance or of any changes in project scope or specifications.
- Served as Technical person of record and signed as Reviewer of record, Quotations, as assigned.
- Communicating project status and results to users through frequent contact and by preparing results reports.
- Analysing test programs for adequacy and sequence.
- Carrying out workshop when INUP / I-STEM users batch come for visit to Gas Sensing Facility @ CeNSE.

❖ I was 'Gas Sensors Lab In-charge'. This work highlights are;

- Material procurement for lab with vendor negotiation viz., Electronic Instruments & spare parts (Domestic, Global), Scientific Instruments, Computers and its components, Furnishing, Gas Cylinders- new & refilling, Chemicals, Route-line Consumables; and facilitating in the service of faulty equipment & instruments in the lab by coordinating with the respective company.
- Coordinating laboratory activities by preparing data sheets and instructions to technicians, scheduling through centralized ticket system and reviewing work of laboratory technicians and engineering support staff and establishing completion dates.
- Assisting in developing special test methods and test equipment.
- Understanding of safety procedures and regulations in the laboratory. Resolving engineering issues associated with Variation Notices by safety committee audits by analysing and reporting on the acceptability of the variations.
- Preparing Follow-Up Service Procedures and information pages.
- Integrating continuous improvement concepts and techniques into all aspects of the job.
- Attention to detail and accuracy in performing tasks.
- Ability to prioritize and manage multiple tasks efficiently.
- Commitment to maintain confidentiality and integrity in scientific work.

- ❖ In addition to that, I worked on Project titled 'MEMS Gas Sensor Array for Space Module Air Quality Assessment', funded by ISRO-LPSC (Electrical & Gas sensing characterization, Calibration, Clean room Fabrication (Nano-material deposition))
- ❖ Custom CAD drawings (2D, 3D) for sensor / PCB housings, prototypes, new auxiliaries to existing equipment for testing purpose.

Educational qualification:

Sl. No.	PARTICULARS	DETAILS	
1.	<u>Post-Graduation:</u> M.Tech in Aerospace Propulsion Technology	<i>Institute</i>	Visvesvaraya Technological University Center for Post Graduate Studies, Bengaluru region, Karnataka
		<i>University</i>	Visvesvaraya Technological University (V.T.U), Belgaum, Karnataka
		<i>Passing year</i>	2015
		<i>Percentage</i>	64%
2.	<u>Graduation:</u> B.E in Mechanical Engineering	<i>Institute</i>	Dr. Ambedkar Institute of Technology, Bengaluru, Karnataka
		<i>University</i>	Visvesvaraya Technological University (V.T.U), Belgaum, Karnataka
		<i>Passing year</i>	2012
		<i>Percentage</i>	60.29%

Professional Tools / Software Skills / Certificate Courses:

- | | |
|--------------------------|--------------------|
| ❖ MS Office (Proficient) | ❖ Origin software |
| ❖ CATIA V5 | ❖ C programming |
| ❖ NX CAD | ❖ Wire Bonding |
| ❖ SOLIDWORKS | ❖ RF Sputtering |
| ❖ ANSYS Fluent | ❖ UTM |
| ❖ CNC – Machining | ❖ DC Probe station |
| (Turning & Milling) | ❖ Laser Engraving |

Strengths:

- ❖ Hard worker and quick learner.
- ❖ Dedication to work.
- ❖ Good communication and interpersonal skills.
- ❖ Good at lead and also with team work.
- ❖ Managing change and promoting solutions to problems.

Personal details:

Name	CHINMAYA K C
Father's Name	(Late) Chikkappaji Gowda K V
Gender	Male
Marital Status	Single
Nationality	Indian
Languages Known	English, Kannada, Hindi, Telugu

Declaration:

I hereby declare that the information specified above is true to the best of my knowledge.

Place: Bengaluru

Date: 01-01-2024

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CHINMAYA K C