

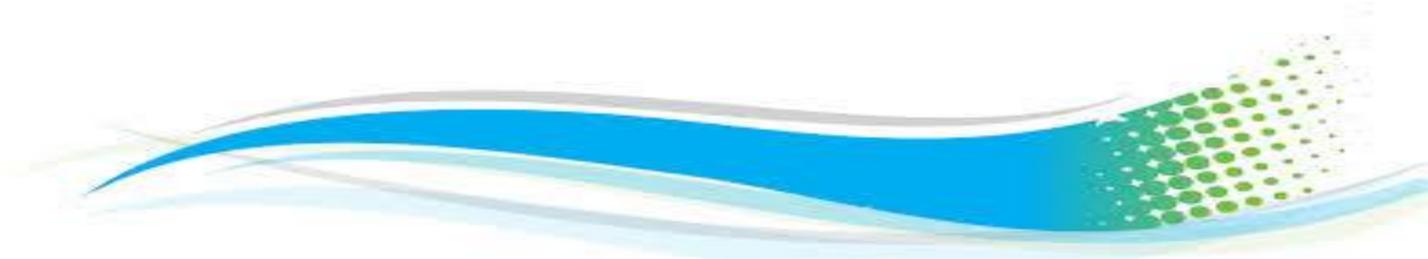


cftri

Mr. Mohd. Shakeb

Technical Officer (III)

- Qualifications:** B.Tech (Mechanical), P G Program in Management (Marketing & Operation)
Softwares: AutoCad, Inventor, Catia, Pro – E, Solidworks
Process piping designing from IPED, Chennai (certification)
Research Methodology by AcSIR, CFTRI, Mysore
- Office address:** Department of Grain Science and Technology
CSIR – Central Food Technological Research Institute, Cheluvamba Vilas, KRS Road
Mysuru – 570 020, Karnataka State
- Contact:** Ph (0821) 2510 843 (Off)
Email shakeb@cftri.res.in
- Career path:** Mar 2013 till date
Department of Grain Science and Technology
Central Food Technological Research Institute
Mysuru. Karnataka State
Jul 2010 to Feb 2013
Deputy Engineer (Mechanical)
HMT Machine Tools Limited
Pinjore, Haryana
Nov 2007 to Jun 2010
Design Engineer (Mechanical)
M/s Ocrim International Technologies P Ltd.,
Chennai. Tamil Nadu
Nov 2005 to Feb 2007
Design Engineer (CAD)
M/s Synergy I – Design P Ltd
Lucknow, Uttar Pradesh



Details of work done:

As Technical Officer (III) at CFTRI:

At the Department of Grain Science and Technology, CFTRI have been associated with research, design, operation of grain processing machinery, fabrication and maintenance activities. Have assisted Scientists/ Engineers of the department in many project activities, prominent ones being:

- Fabricating and commissioning rubber roll dehuller and gravity separator for small millets (100kg/h capacity)
- Value addition to rice brokens
- Processing of selected grains for improving their flour functionality and development of ready – to – eat breakfast cereals
- Investigation on digestibility and nutraceutical changes during hydrothermal processing of rice
- Ready – to – reconstitute rasam and sambar cubes
- Upgradation of maize breakfast cereal technology and development of free technologies
- Technology diffusion in the millet processing industry specific to Karnataka, Andhra Pradesh and Maharashtra states

Posters presented:

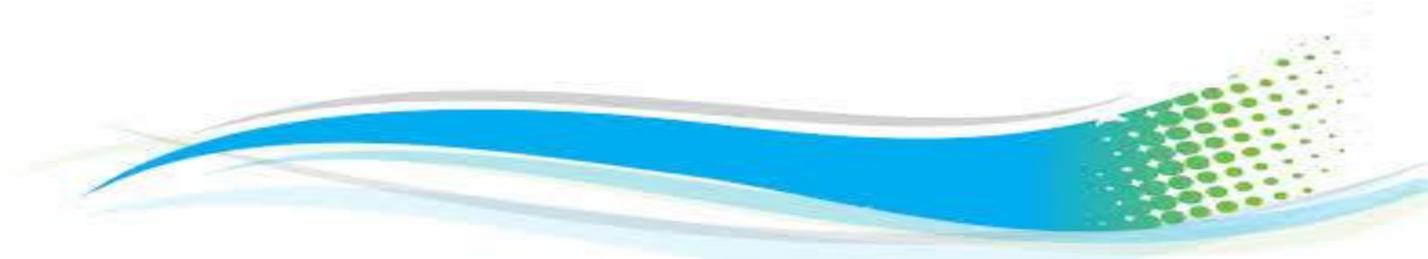
- Physical and engineering properties of Buckwheat (IFCON 2013)
- Standardization of speed of leg operated millet dehuller (85th Annual meet of SBC)
- Development and characterization of restructured rice (85th Annual meet of SBC)

Students' projects:

- Standardization of speed of leg operated millet dehuller (as Guide)
- Design and fabrication of modified frame and gear drive for pedal operated millet dehuller (as Co – Guide)
- Design and fabrication of modified husk aspiration system for pedal operated millet dehuller (as Co – Guide)
- Also assisted Scientists of the department in operation of machinery and laboratory work for dissertation/ project work of students – 30 Nos.

Human resource development/ Short term courses:

- Handled theory and practical classes for M.Sc (Food Technology) course
- Theory and demonstration of pilot plant machinery for STC participants
- Assistance in demonstration of technologies to licencees



As Deputy Engineer – Mechanical, M/s HMT Machine Tools Ltd.,:

Responsibilities during this tenure included marketing activities like tendering, sales promotion of product to corporate customers in engineering industry. Was also involved in design and development activities of conventional milling machine and CNC machining center including preparation of detailed critical component drawings, casting drawings, assembly drawings using Solidworks. Also coordinated with shop floor problems during manufacturing, review of cutting layouts and material reconciliation, evaluation, checking and modification of existing drawings to suit requests, and preparation of instruction manuals and BOMs.

As Design Engineer – Mechanical at M/s Ocrim Intl Tech P. Ltd.:

Was involved in design engineering including equipment and piping GA drawings, flour mill layouts for new projects, equipment fabrication drawings * BOMs, reviewing cutting layout and material reconciliation. Coordinated with Engineering manager at Ocrim Spa, Italy prior to finalization. Involved in four projects executed for M/s Hard Wheat Flour Mill, Taiwan, Group Metidji, Algeria, Aljouf, Saudi Arabia and Papadopouloi Mill, Greece

As Design Engineer at M/s Synergi I - Design:

Responsible for evaluation, checking and making modifications to existing drawings, performing GD&T, tolerance stack-up analysis and as supervisor for others' drawings. Carried out 3D modeling of bearing cover, air preheater, piston, cylinder and various other loco components on Pro-E.

