CONFERENCE FULL PAPER TEMPLATE

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Abstract

Manufacturing industry is the backbone of the economy of a nation. Due to globalization, there is a stiff competition in this industry for producing the quality products with reduced cost. INCAPIE' 2015 conference focus on the broad field of production and industrial Engineering. Manufacturing paradigms are advancing in leaps and bounds to meet the organization competitiveness and enabling cost reduction with increase in varieties and quantity. The international conference will bring the experts, professionals and budding researchers to a common platform to share the advances in Production and Industrial Engineering. The conference keywords include but not limited to: Design and Product Development, Precision Engineering and Manufacturing, Advances in Manufacturing Processes, New Tools/Techniques for Manufacturing, Robotics and Manufacturing Automation, Additive Manufacturing, Advances in Materials Forming Micro-machining and Laser Processing, Surface Engineering, Materials Processing Technology, Engineering Optimization, Modeling of Manufacturing Processes, Total Productive Maintenance, Training and Implementation, Analysis and Simulation of Manufacturing, Operations Management, Supply Chain Management & Logistics, Sustainable Manufacturing, Smart Manufacturing, Lean Manufacturing, Responsive Manufacturing, Human Factors Engineering, Advanced Data Analytics, Multi-Criteria Decision Making, Operations Research. Examples of figure and table are given below.

Keywords: Temperature, Welding, Forming, Machining

1 Introduction

The National Institute of Technology (formerly known as Regional Engineering College) Tiruchirappalli, situated in the heart of Tamil Nadu on the banks of river Cauvery, was started as a joint and co-operative venture of the Government of India and the Government of Tamil Nadu in 1964 with a view to catering to the needs of man-power in technology for the country. The college has been conferred with autonomy in financial and administrative matters to achieve rapid development. Because of this rich experience, this institution was granted Deemed University Status with the approval of the UGC/AICTE and Govt. of India in the year 2003 and renamed as National Institute of Technology. NIT-T was registered under Societies Registration Act XXVII of 1975. The institution offers Under Graduate Courses in ten branches and Post Graduate Courses in twenty one disciplines of Science, Engineering & Technology besides M.S. (by Research) and Ph.D. in all the departments The institute is an example of cultural unity with students drawn from most of the states in the country.

2 Methodology

The conference venue is National Institute of Technology Trichy. The College has a total campus area of 800 acres.. NIT-T is in Tiruchirapalli (also know as Trichy or Tiruchy). It is located about 22 km from Tiruchurapalli Jn / Central Bustand on the Trichy-Thanjavur Highway.The simplest and most economical way to reach NIT-T is by bus. Any city Bus at the Tiruchirapalli Jn will take you to the central bus stand. Board Thanjavur bound mofussiful or route bus. The journey time from Trichy will be around 40 minutes.

2.1 Methodology sub section

The institute has all required facilities like health center, students' hostels, faculty and staff quarters, guest house, library, computer center, sports facilities, canteens *etc*. The hallmark of the campus is the good facilities which cater to the academic and extracurricular interests of the students. The Octagon is the pride of the campus equipped with modern facilities like a CAD/CAM Lab, Local Area Network, High Speed Internet connection and other seminar and conference facilities. It is maintained and run by the Computer Support Group (CSG) of the institute. Apart from this the campus provides ample opportunities for developing extracurricular skills which include NCC, NSS, Students Chapters of IEEE, social clubs and sports & games.

The Alumni of this institution have excelled in various spheres and are positioned very well globally in a number of leading Government, Public Sector & Private Organizations. The department is continuously striving to achieve excellence in education, academic and industry oriented research as well as consultancy work with service to the society.

We aim to provide our students with a perfect blend of intellectual and practical experiences, that helps them to serve our society and address a variety of needs. At the end of our program, students are prepared for entry-level work as a production engineer as well as for the post-graduate study in production engineering or in another discipline, where a fundamental engineering background constitutes a desirable foundation. Academic course work and projects are designed to endow students with the

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ability to apply knowledge of science, mathematics, and engineering, and the capability to work effectively in multidisciplinary teams, providing leadership and technical expertise.
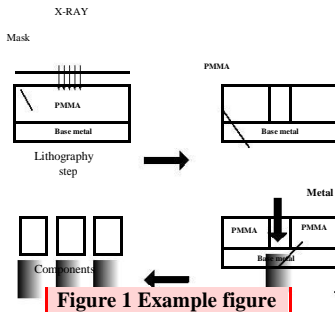
X-RAY

Mask

PMMA

PMMA

Base metal

Base metal

Lithography step

Metal

PMMA PMMA

Base metal

Components

Figure 1 Example figure

Table 1 Example table

Number of crane in operation	Service rate in cranes/hr	Arrival rate in cranes/hr
1	12.5	2.15
2	12.5	2.15
3	12.5	2.15
4	12.5	2.15
5	12.5	2.15
6	12.5	2.15

3 Equations, Page length, References

$$\sigma_f = (A + B\varepsilon^n)\left[1 + C\ln\frac{\varepsilon}{\varepsilon_r}\right]\left[1 - \left(\frac{T - T_r}{T_f - T_a}\right)^m\right], \quad (1)$$

The equation should be numbered as shown above and centered. **The full paper should not exceed 6 pages.** Arrange the references alphabetically and cite by the authors name and year. For example, Dixit and Dixit (2008) is a book on the modeling of metal forming and machining. Mukesh Kumar *et al.* (2013) is a 3 author paper, so et al. is to be used after giving the last name of first author. Here, a sample reference list is provided.

References

Das, M. (2010), A study of microstructure evolution in cold flat rolling process, M.Tech. Thesis, IIT Guwahati.

Dixit, P.M. and Dixit U.S. (2008), Modeling of Metal Forming and Machining Processes by Finite Element and Soft Computing Methods, Springer-Verlag, London.

Dixit, U.S., Robi, P.S. and Sarma, D.K. (2002), A systematic procedure for the design of a cold rolling mill, *Journal of Materials Processing Technology*, Vol. 121, pp.69−76.

Joshi, S.N. and Pande, S.S. (2010), Development and validation of an intelligent process model for EDM, *Proceedings of 3rdInternational and 24th All India Manufacturing Technology, Design and Research Conference*, December 13−15, 2010, Visakahapatnam.

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