



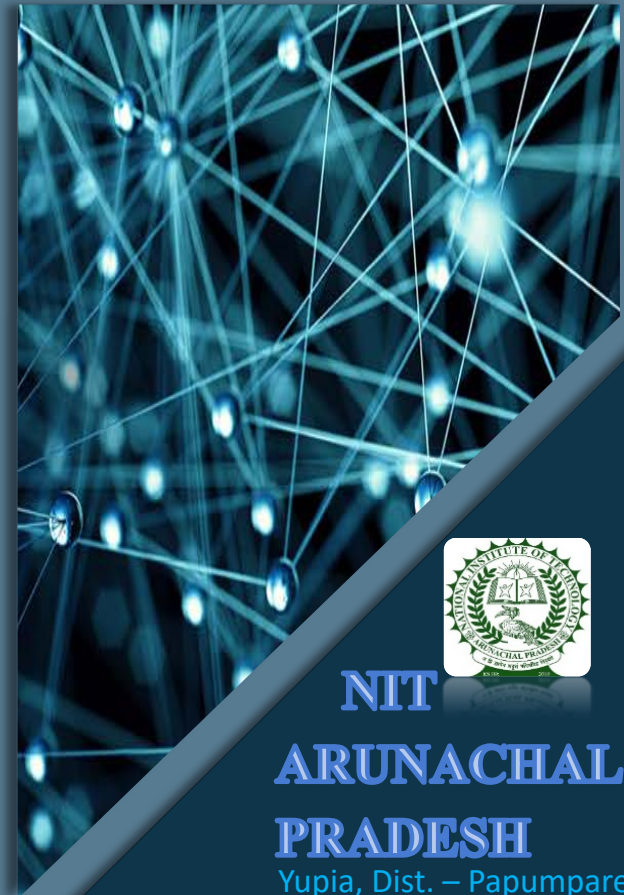
Aspects of Modern Optimization Techniques in Science and Engineering (AMOTSE)

One week online Short Term Course on AMOTSE 2020

Organized by

Department of Mechanical Engineering & Basic and Applied Science

17-08-2020 to 21-08-2020



NIT ARUNACHAL PRADESH
Yupia, Dist. – Papumpare, AP, India-791112

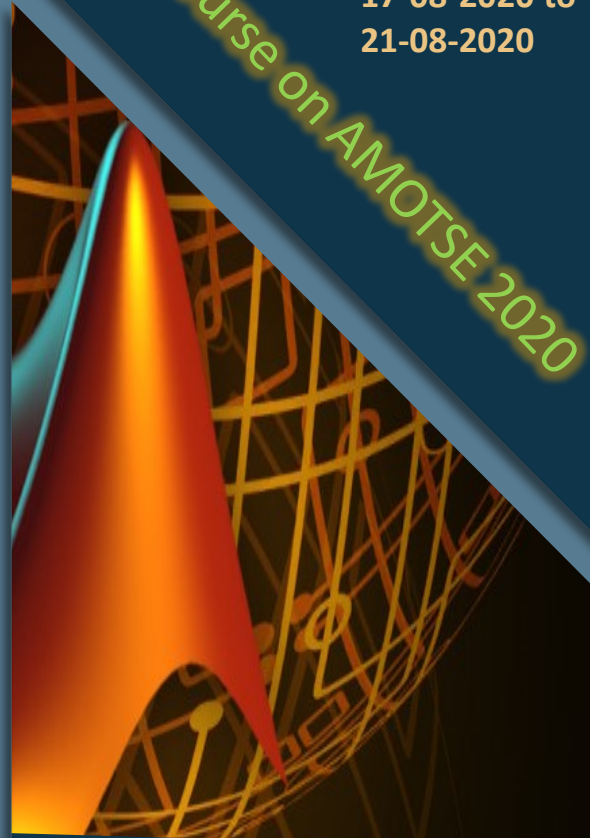
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Jointly with
GOVERNMENT COLLEGE OF TECHNOLOGY

Coimbatore-641013, Tamil Nadu
Department of Mechanical Engineering



ABOUT THE INSTITUTE

The National Institute of Technology (NIT), Arunachal Pradesh was inaugurated on 18th August, 2010 as a member of a group of ten new NITs. These new NITs were established as centers of excellence in technical education to combat the growing need of technological professionals in India as well as in the World. Despite of few geographical constraints and lack of modern state of art facilities, the institute has thrived through rigorous challenges and has evolved to see the new heights with present capacity of 760 students pursuing various bachelor, master as well as doctorate degrees from various departments. The institution participated in the NIRF and ranked 200 in the Engineering category.

“Education is not the learning of facts, but the training of the mind to think” ~*Albert Einstein*

TOPICS TO BE DISCUSSED : The modern optimization tools and their possible applications in Science & various Engineering disciplines .

TARGET AUDIENCES : The program is open to PG and Ph.D Research Scholars, Members of Faculty of various engineering disciplines , science & Mathematics background from reputed institutes, Scientists , Government Bodies, Industries, R&D organizations.



ORGANIZING COMMITTEE



ABOUT THE DEPARTMENTS

ABOUT THE SHORT TERM COURSE

MENTOR INSTITUTION

MENTEE INSTITUTION

Government College of Technology
Coimbatore

National Institute of Technology
Arunachal Pradesh

Patron
Dr. P. Thamarai,
Principal

Prof. Pinakeswar Mahanta,
Director

Convener
Dr. N. Nandakumar,
Professor,
Dept. of Mech. Engg.

Dr. Prases K. Mohanty, Asst. Prof.
(Mechanical Engg.)
Dr. Debjit Dutta, Asst. Prof. (Basic
and Applied Science)

Coordinator
Dr. S. Periyaswamy
Asst. Professor (Sr. Gr.)
Dept. of Mech. Engg.

Dr. Shubhajit Das, Asst.
Professor (Mechanical Engg.)

OTHER COMMITTEE MEMBERS: Faculties from Mechanical Engineering & Basic and Applied Science depts., NIT Arunachal Pradesh.

RESOURCE PERSONS: Eminent experts from IITs, NITs, Reputed Government Research Organization, Central University will deliver their lectures.

OTHER DETAILS :

Registration fees : Free.

Online Registration link:

<https://forms.gle/8ubLxW3yiMzEP3hM9>

Last date for receipt of online application : 15-08-2020

Intimation of selection : 16-08-2020 by Email

MODE OF ONLINE SEMINAR: Through Google meet (link will be provided to the selected candidates on 16.08.2020 by email)

E-certificate will be issued to only those candidates who will participate in all sessions.

The Department of Mechanical Engineering at NIT Arunachal Pradesh was established in August 2013. The department offers four-year degree B.Tech in Mechanical Engineering with an annual intake of 40 students. The Department started PG programme (2 years M.Tech) in Fluids and Thermal Engineering with an intake of 20 students from July 2019 and has also been actively involved in initiating research programmes in various multidisciplinary areas leading to Ph.D since 2015-16. Moreover, the department emphasizes to excel in industry oriented research, testing and consultancy work, aiming service to the society and benefit for the student community.

Department of Basic & Applied Science has been established right at the inception of the institute in 2010. Currently, the department comprises of Physics, Chemistry, and Mathematics. The goal of the department is to impart theoretical and practical knowledge to the students in the area of basic and applied science. The department got good number of sponsored research projects from external agencies like SERB, CSIR, ICMR etc. The department also offers Ph.D. program in Physics, Chemistry and Mathematics in order to nurture young minds towards scientific challenges.

The one week short term program on 'Aspects of Modern Optimization Techniques in Science and Engineering (AMOTSE)' is to highlight the advances in optimization techniques and their successful applications in real life problems of sciences and engineering. The proposed course is not specific to any single discipline and can attract participants from various branches of science and engineering.

It targets to learn how to apply the mathematical results and numerical techniques of optimization theory to concrete Engineering problems. It comprises of sessions for the participants to introduce them to a number of modern optimization methodologies and their application/case studies from a wide variety of real world interdisciplinary engineering problems. This program presents all traditional and advanced methods of optimization of relevance to applications in science & engineering and thus to develop and promote research interest in applying optimization techniques in problems of Science, Engineering and Technology.

ADDRESS OF CORRESPONDENCE

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