The primary objectives of the course are as follows:

i) Exposing participants to the fundamentals of magnesium alloy as bio materials.

ii) Design and property tailoring of magnesium alloys for automotive, aerospace and medical application

iii) Property evaluation of magnesium and its fatigue, creep, fracture and biocompatibility analysis. Modelling and simulation of alloys under various test conditions.

iv) Discuss the various innovative methods developed by the speakers to make bio compatible magnesium alloys.

v) Enhancing the capability of the participants to identify, control corrosion using bio compatible magnesium alloys under different conditions.

vi) Imparting design methodology used in developing smart structure and their practical applications in medical, engineering and bio tech field.
ABOUT NIT CALICUT
National Institute of Technology Calicut (NITC) is one of the 31 institutions of national importance governed by the NIT Act 2007 and is fully funded by the Government of India. Originally established in 1961 as a Regional Engineering College (REC), it was transformed into a National Institute of Technology in the year 2002.

The institute offers bachelors, masters and doctoral degree programmes in Engineering, Science, Technology and Management. With its proactive collaborations with a multitude of research organizations, academic institutions and industries, the institute has set a new style for its functioning under the NIT regime. The Institute is presently offering eleven UG programme and thirty PG programme along with Ph.D. programme in various fields of Engineering, Science Technology and Management; http://www.nitc.ac.in

ABOUT MECHANICAL ENGINEERING DEPARMENT
Department of Mechanical Engineering, the largest department in the Institute, offers regular undergraduate, postgraduate and doctoral degree programmes. It also offers part time doctoral degree programmes, mainly meant for those employed in industries and academic institutions. Department offers continuing education programmes for industry and academic personnel. Summer/Winter schools have also been organised by the Department. The faculty of this department provides guest lecture for many of the neighbouring institutions. Besides teaching, the members of the faculty are involved in consultancy work (Design & Development, Energy Auditing, Industrial Sickness Evaluation, testing etc.), sponsored research work (sponsored by DST, AICTE, ARDB etc.), and product development. Vision of our department is to impart nationally and internationally recognised education in Mechanical Engineering, leading to well-qualified engineers who are innovative contributors to the profession and successful in advanced studies;
https://nitc.ac.in/department/mechanical-engineering

ADDRESS FOR CORRESPONDENCE
Dr. Jagadeesha T. Coordinator
GIAN Course on the Promise of Magnesium technology in Engineering and Biomedical Applications in 21st Century and Beyond,
Department of Mechanical Engineering,
National Institute of Technology Calicut,
NIT Campus P.O., Kozhikode- 673601, Kerala, India,
Phone: +918547193373, +914952286451;
Email: jagdishsg@nitc.ac.in
https://nitc.ac.in/department/mechanical-engineering/faculty-and-staff/faculty

REGISTRATION PROCESS
Step #1: Web Portal Registration: Visit GIAN Website at the link: https://gian.iitkgp.ac.in/GREGN/index and create login, User ID, and Password. Fill up the GIAN registration form and do web registration by paying Rs.500/- online through Net Banking/ Debit/ Credit Card as per instructions given therein. This provides the user with life time registration to enrol in any number of GIAN courses offered (Skip this step, if already registered with GIAN portal).

Step #2: Course Registration: Login to the GIAN portal again with the user ID and password already created in Step #1. Click on course registration option at the top of registration form. Select the course titled “The Promise of Magnesium technology in Engineering and Biomedical Applications in 21st Century and Beyond” from the list and click on the Save option. Confirm your registration by clicking on the Confirm Course option. The participant may then proceed for the course registration with the course coordinator by filling out the registration form.

Step #3: For provisional registration, scanned copies of the registration form should be sent to jagdishsg@nitc.ac.in at the time of web portal registration.

Step #4: The duly filled up registration form and the DD/ NEFT/RTGS receipt must be sent to course coordinator on or before Nov 5, 2023 (form of Draft/NEFT/RTGS). The maximum number of participants of the program would be limited to 50.

MODE OF PAYMENT
Selected participants will be intimated through email. They have to remit the necessary course fee to the bank as per the details given below (inclusive of GST).

Participants from Abroad: 80 USD
Participants from India: 5000 INR
Industry/Research organisations: 3000 INR
Faculty from Academic Institutions: 1000 INR
Research Scholars/Students (getting stipend): 300 INR
Students (not getting stipend): 3000 INR

Account Name: DIRECTOR NIT CALICUT
Account No.: 35909407299
Bank: State Bank of India
Branch: CREC, Chathamangalam Kozhikode-673601

BranchCode: 002207
IFSC: SBIN0002207
MICRCode: 673002012
SWIFTCode: SBINPNBB392

For any queries, please contact the coordinator. This course will be conducted OFFLINE as per MHRD Instructions.

IMPORTANT DATES
Last date for receiving application: Oct 25, 2023
Last date for intimation to participants by email: Oct 29, 2023
Last date for receiving registration form with Payment details: Nov 12, 2023
Course dates: Nov 21-25, 2023

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Dr. Jagadeesha T.
Coordinator
GIAN Course on the Promise of Magnesium technology in Engineering and Biomedical Applications in 21st Century and Beyond,
Department of Mechanical Engineering,
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NIT Campus P.O., Kozhikode- 673601, Kerala, India,
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Name: ........................................................................................................................................ M   F
Designation:................................................................................................................................

Highest Qualification & Specialization: .................................................................
Programme and Semester: ......................................................................................... (students)

Organization...................................................................................................................

Address:...........................................................................................................................
...........................................................................................................................................
...........................................................................................................................................

Mobile No: ........................................  Email: ..........................................................

Your current research/ ongoing project ........................................................................
...........................................................................................................................................

Details of Payment of Registration Fee. (No return of the payment, once it is made).

DD No………………Date ...................Bank ….................……….. Amount………………..

If paid through NEFT/RTGS
Transaction Number .................................. Date ............................ Bank ……………..

Accommodation Required: Yes/ No

Date .................... Signature of the Applicant...............................

Approval from Affiliated Institute of the Applicant

Certified that Mr./ Ms./ Dr. … ……………..................................……………………………….... is an employee/student of our institute. If selected, he/she will be permitted to attend GIAN Course on The Promise of Magnesium technology in Engineering and Biomedical Applications in 21st Century and Beyond conducted by NIT Calicut during November, 21-25, 2023

Date: …............... Signature .....................................

and Seal of Approving Authority