One week multidisciplinary residential Faculty Development Program

SEAT for Rural India
(Science, Education And Technology for Rural India)

## Towards Reinventing Village Swaraj ##

29th June to 6th July 2019

Organized by
DEPARTMENT OF MECHANICAL ENGINEERING
RAMAIAH INSTITUTE OF TECHNOLOGY, BENGALURU

Supported by
DEPARTMENT OF MATHEMATICS
RAMAIAH INSTITUTE OF TECHNOLOGY, BENGALURU

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(Industry promoting rural technologies since 4 decades)

Sponsors
* Ramaiah Institute of Technology
* Sri. Yogi Nareyana Mutt, Kaiwara
  (Venue of the FDP)
* MSRIT Alumni Association
* Sri. Tallam Venkatesh
  Entrepreneur, Alumnus (First Batch, Department of Mechanical Engineering, MSRIT) & President, MSRITAA
About Ramaiah Institute of Technology
Ramaiah Institute of Technology is one of India’s best-known Engineering Education Institutes founded in 1962 by renowned industrialist, philanthropist and visionary Late Dr. M.S. Ramaiah. Rechristened now as Ramaiah Institute of Technology (RIT), it is part of the Gokula Education Foundation (GEF), with other 29 institutions. RIT has received the prestigious Autonomous Status in 2007. RIT Ranked among top 100 institutes across India for last three years, as per National Institute Ranking Frame Work (NIRF), MHRD, Govt. of India

About Department of Mechanical Engineering
Department of Mechanical Engineering (DME) started in 1962 along with the start of the college. The department offers one UG program (BE in Mechanical Engineering), and 2 PG programs (M.Tech. in Manufacturing Sc. & Engg. and Computer Integrated Manufacturing). The department has over 10,000 alumnus serving in various parts of the globe. Taking advantage of autonomy, the department has introduced several novel courses; “Traditional Indian Science & Technologies”, “SEAT for Rural India”, “Non-conventional Energy lab”, to name a few.

About Sri Yogi Nareyana Mutt
Sri Yogi Nareyana Mutt (SYNM) is located in Kawaitara, a village in Chintamani Taluk of Chikkaballapura district, is 66 km from Bengaluru. The mutt is dedicated to Sri Yogi Nareyana (1730-1840 AD), popularly known as Kawaitara Narayana Thathayya who meditated in a cave in Kawaitara, and underwent ‘jeevanta samadhi’.

Some of the important places around the Mutt are the temples of AmaranararayanaSwamy, AranyaRama, Vasavi Kanyak Parameshwari, Venugopalaswami, Bheemalingeshwara and Yoganarasimha. Laxmana Theertha, Vaikunta and Thatayya Cave, Hilltop-a place in which the footprints of Bheema and Bakasura's fighting are said to be preserved.

The Mutt is managed by Dr. M.R.Jayaram, Chairman, Gokula Education Foundation.
**About the FDP**

**Preamble:**
Thousands of youths studying in engineering colleges are from rural background. After engineering they are desperate to find jobs in cities, since the aspects they would study during any engineering course hardly directly fit in anywhere, even in case they want to go back to their villages. Further, there is a mindset among the larger student community that if they have to have a bright career, it can happen only in cities. However there are uncountable number of cases to show that other way round too is possible. There is a need to show students the options on the other side.

To address this issue it is thought of that if an elective course be introduced to the engineering students which could educate them as to how and what engineering sciences, education and technologies could be adopted in villages to make the students confident enough to go back to their villages, have a career in their villages; perhaps a more comfortable & challenging career than the ones in cities. Thus they can not only start a career on their own, but also give employment opportunities to a couple of village youths. This would go a long way in rural development; and urban development too by avoiding overcrowding and mass migration into cities. DME, RIT has prepared a syllabus approved by its BOS. We wish other colleges too offer this course. With such a background this FDP is planned to train the faculties to handle a socially relevant course, which is also a need of the hour.

This program would also help personnel from industry, organizations or corporates; NSS officers of institutes who can get a number of practical ideas to serve villages through their Corporate Social Responsibility (CSR) or any other schemes.

**Objectives of the FDP:**
- To train and enhance the knowledge of the faculty in the area of sciences, education and technologies required for the rural society.
- To build abilities among faculties to introduce and teach 3 or 4 credit course on ‘SEAT for rural India’.

Offering such a course would help their students to be confident enough to consider a career in rural areas as an option for a healthy and challenging future.
The key topics covered:

- Fundamental principles and strategies for strong rural economy
- Water management technologies and strategies
- Rural entrepreneurship
- Khadi and tiny looms
- Tiny technologies useful for the rural masses
- E-based tools for marketing
- Power from rural wastes, biofuels and solar technologies
- Sustainable agricultural practices and growing medicinal plants as a career
- Government schemes for rural areas
- Model villages
- Field visits
- Conceptual mini project

The sessions will be largely handled by experts in the area and people who are successful in the area.

Outcome of FDP expected

While the faculties from autonomous institutes could be confident enough to take initiatives to introduce a course in their respective institutes, the organizers are in the process of discussing with BOS representatives from Visvesvaraya Technological University (VTU) to introduce such a multidisciplinary elective course in the latest syllabus.

Who can register?

Faculties from Department of Mechanical Engineering and allied branches are preferred. However, faculties of civil, biotech or any other branch willing to practically do something for the development of rural areas; or are interested in the area are welcome to register. Faculties of agricultural/rural universities/ institutes, engineers interested in career in rural areas can also participate.

Industries/corporates, NSS officers looking for ideas for serving the rural areas through ‘Corporate Social Responsibility’ (CSR) or any other modes are also welcome.
Registration:

Interested faculties / industry personnel / corporates have to fill up the form online, available at:

https://forms.gle/HdS5dQcdKedgJKPe9

The signed hard copy of the form should be emailed and the same be submitted at the venue while reporting to FDP. The registrants are also requested to submit a preferably hand written essay in 250 to 300 words as to why they are interested in attending the FDP. The snap of the same to be sent to the coordinator at harichandrabp@msrit.edu

The program being residential, the candidates have to be available throughout the program and actively participate in all the sessions without fail. A registration fees of Rs.2,501/- (Rupees two thousand five hundred and one only) can be paid online; payable to “Sri Yogi Nareyana Mutt”, Payable at Canara Bank, Kaiwara Branch, SB Account No.0494101000531, IFSC Code: CNRB0000494. The registration is virtually free. The fees paid largely goes for accommodation and food. The registration fees is not refundable as it goes to the Mutt. However, during unexpected circumstances an alternate faculty can attend. The registration fees includes:

- Pick up of candidates from RIT campus to Sri Yogi Nareyana Mutt premises, Chikkaballapura District (the venue) and drop to RIT campus back.
- Registration kit
- Course material/notes (We plan to give course notes for easy delivery of the course)
- Food and accommodation expenses
- Transport for tour/field visits

You are requested to register at the earliest so that logistics can be planned well.

You may express your first impression about the program at (it may take two minutes):

https://forms.gle/MnBReHr4Z8oombUJ6

FDP Venue:

The FDP is organized in a rural area, at the serene environment of “Sri Yogi Nareyana Mutt” (SYNM), Kaiwara, Chikkaballapura District. The Mutt is managed by Dr. M R Jayaram, Chairman, Gokula Education Foundation under which foundation Ramaiah Institute of Technology is run.
Reporting to FDP:
Candidates will have to report at Department of Mechanical Engineering, Ramaiah Institute of Technology on Saturday, the 29th June 2019 by 2.30 pm. Candidates willing to directly report at the venue may do so by 5.00 pm on Saturday, 29th June 2019.

Completion of FDP and return:
On Saturday, the 6th July 2019, after breakfast, we depart from Sri. Yogi Nareyana Mutt, Kaiwara, for field visits via Goravanahalli, return to Ramaiah Institute of Technology tentatively by 5.00 pm.

Patrons:
**Dr. M.R.Jayaram**
Chairman, Gokula Education Foundation (GEF)

**Sri. M.R.Setharam**
Vice Chairman, GEF & Director, RIT

**Sri. M.R. Ramaiah**
Secretary, GEF & Director, RIT

**Sri. B.S. Ramaprasad**
Chief Executive, GEF (Engg. & Gen. Sc.)

**Sri. G Ramachandra**
Chief of Finance, GEF (Engg. & Gen. Sc.)

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**Dr. C.G. Puttappa**, Vice Principal, RIT
**Dr. Archana**, Registrar (Academics), RIT
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