

भारतीय सूचना प्रौद्योगिकी संस्थान भागलपुर, बिहार  
Indian Institute of Information Technology  
Bhagalpur, Bihar

(Institute of National Importance Under Act of Parliament)

Five Days Online Hands-on Workshop  
On

Metamaterial and its  
Applications using HFSS  
(MAU-HFSS-2021)

27-31 January 2021



**PATRON**

*Prof. Arvind Choubey  
Director, IIIT Bhagalpur*



**COORDINATOR**

*Dr. Prakash Ranjan  
Assistant Professor  
DECE, IIIT Bhagalpur*



**COORDINATOR**

*Dr. D. Bhattacharya  
Assistant Professor  
DECE, IIIT Bhagalpur*

### THEME OF THE WORKSHOP

It gives an opportunity for participants to get acquainted with design, simulation of Metamaterial based structures that includes Absorbers and Antennas. Furthermore, individual participants will be befitted with hands-on with ANSYS HFSS session followed by fabrication and measurements.

### Key Points

- Hands-on practice of HFSS using dedicated PC through Team viewer/parallel RS.
- In depth discussion of topics from beginning to advanced level with simulation examples such as Metamaterial Absorber and ZOR Antenna.
- Detail discussion on Green's Function and its application for radiation pattern calculation using MATLAB.
- Dedicated sessions for illustration of measurement using VNA by industry partner.
- Introduction of RCS calculation using HFSS-savant.
- Participation Certificate is provided to all.

### ABOUT IIIT BHAGALPUR

Indian Institute of Information Technology, Bhagalpur (IIIT Bhagalpur) is one of the IITs set up by MHRD, Govt. of India and it started functioning from the academic year 2017. The institute has already got the status of "National Importance" under the act of parliament. The institute will be set up in 50 acres of area with the-state-of-the art campus and will boast of multimedia board room, smart class room, lecture halls and Wi-Fi facilities etc.

Presently the institute offers three-degree engineering courses in Computer Science and Engineering, Electronics and Communication Engineering and Mechatronics Engineering. The institute is going to start Ph.D, M.Tech and dual M.Tech-PhD program from July 2021.

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Organized by

Indian Institute of Information  
Technology Bhagalpur, Bihar, India.

in Association with  
Entuple Technologies Pvt. Ltd.

Course Coordinator's

Dr. P. Ranjan & Dr. D. Bhattacharya

Assistant Professor

Department of Electronics Engineering  
IIIT, Bhagalpur



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**Number of Seats (Tentative):** 20 (on first come first basis)

**Important Dates:**

Early Bird Registration:-**25 January 2021**

Late Registration:-**26 January 2021**

**Registration Fee: in INR**

Early Bird: 500.00  
Late : 600.00

**Registration Fee includes:**

- Access of ANSYS HFSS
- Participation Certificate
- One-to-One doubt session

**Mode of Payments\***

**For Internet Banking User:**

**Bank Name:** UCO Bank, Sabour, Bhagalpur.  
**IFSC Code:** UCBA0001127  
**Account Name:** Indian Institute of Information Technology Society Bhagalpur.  
**Account Number:** 11270110047149

**ADDRESS FOR CORRESPONDENCE**

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**REGISTRATION DETAILS**

Name (Mr/Ms/Dr).....

Designation .....

Department.....

Institute/Organization.....

Address .....

.....

Email: .....

Mobile Number .....

WhatsApp Number.....

Payment Details:

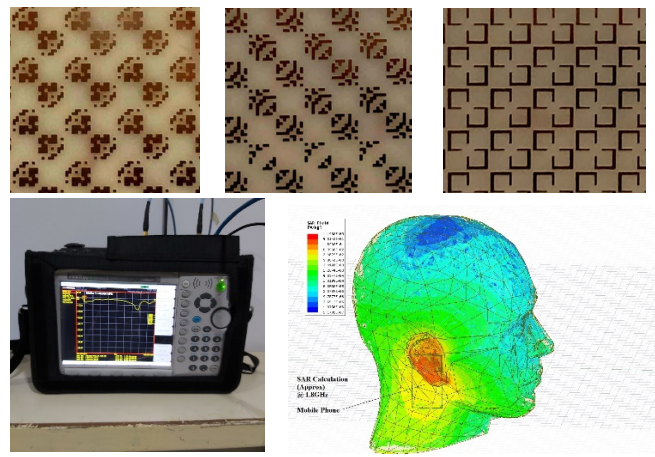
Online payment Reference number details .....

..... Date .....

Amount.....

Signature of Applicant

Click the following link for online registration:  
<https://forms.gle/AC42NTokrBM8EUh9A>



**ABOUT ENTUPLE TECHNOLOGIES**

**Entuple Technologies** was founded on 1st January 2010 by professionals with a combined experience of over 80 years in the Electronics Industry. The management team with its experience in different sectors such as Aerospace & Defense, Small & Medium Business, Research & Academia has joined together to build a world class team of next generation solution enablers in system design technologies.

**Organizing Committee Patron**

**Prof. Arvind Choubey**  
**Chairperson**  
**Dr. Dheeraj Kumar Sinha**  
**Coordinator's**  
**Dr. Prakash Ranjan**  
**Dr. Dhurbajyoti Bhattacharya**  
**Convener**

**Advisory Committee**

**Dr. Sandeep Raj**  
**Dr. Sanjay Kumar**  
**Dr. Suraj**  
**Dr. Chandan Jha**  
**Mr. Chetan Barde**