INSTITUTE OF ENGINEERING AND TECHNOLOGY
LUCKNOW

SOCIETY FOR ELECTRONICS
EXPLORATION AND DEVELOPMENT

Faculty Development Programs Organised By

ELECTRONICS AND COMMUNICATION DEPARTMENT

2018-19

FDP Schedule

Sr.no	Topic	Date held on
1.	Faculty Development Programme (FDP) on IPR,Entrepreneurship, and Innovation (IPREI-19)	01st – 05th June, 2019
2.	Faculty Development Programme (FDP) ON Advances in Microwave Engineering (AME-19)	08th – 12thJune 2019
3.	Faculty Development Programme (FDP) On Recent Tends in High Frequency Devices and Applications (RTHFDA-2019)	17th – 21st June, 2019

1. FACULTY DEVELOPMENT PROGRAMME (FDP) ON IPR, Entrepreneurship, and Innovation (IPREI-19)

(Sponsored by TEQIP-III, IET, Lucknow)

01st – 05th June, 2019

Convener: Dr. Rajiv Kumar Singh, Asst. Professor, ECD, IET Lucknow

The Electronics Engineering Department of Institute of Engineering and Technology (IET), Lucknow has organized TEQIP-III sponsored 05-Day Faculty Development Programme on "IPR, Entrepreneurship, and Innovation (IPREI-19)" during 1st - 5th June, 2019. The FDP was designed to bring researchers, academia and technocrats from different parts of the country to a common gathering for exchanging and sharing the recent developments in the field of Intellectual Property Rights (IPR), Entrepreneurship, and Innovation. The experts from prestigious Universities, Institutes, Government bodies, Dept. of Science & Technology, Council of Science & Technology UP, etc. presented their deliberations in the program.

The participants gained extensive details of subject knowledge along with guidance on patent filing, copyright, trade mark, etc. Case studies, practical examples, and success stories enriched their concept and helped them to do better teaching, research and ensured proper usage of their research work. A total of 74 participants attended this FDP.

OBJECTIVES OF THE FDP:

i. To provide a forum to exchange views & ideas related to IPR, patent, entrepreneurship & innovation.
ii. To improve and boost the faculty's ability in carrying out research, invention and to do innovations.
iii. To share the knowledge in terms of protection of commercial interests of creators and innovators, and serving the public interest.

FDP HIGHLIGHTS:

Day1: Saturday; 1st June 2019

Inauguration: The FDP was inaugurated by Dr. CM Nautiyal, Senior Scientist, Birbal Sahni Institute of Palaeosciences, Babuganj, Hasanganj, Lucknow, Uttar Pradesh along with the Director of the Institute Prof. H.K. Paliwal, Dr. Shashi Rana, Joint Director (Counsil of Science & Technology, Lucknow), Prof. VK Singh, IET Lucknow, and Mr. Radhey Lal, Joint Director (Counsil of Science & Technology, Lucknow), Er. Amitesh Pandey, IET Luckow and Dr. Rajiv Kumar Singh. Best wishes were given by all the dignitaries for successful conduct of the FDP.

Session-1	Patent Filing: Dr. Yaswant Dev Panwar
Session-2	Keynote Lecture: Dr. CM Nautiyal
Session-3	IPR & Entrepreneurship: Dr. Shashi Rana

Day2: Sunday; 2nd June 2019

Session-1	Intellectual Property Rights & Creative Commons: Character and Perspective: Dr. Vivek Srivastava
Session-2	Keynote Speech on IPR: Dr. Shashi Rana
Session-3	Trademark: A component of IPR: Dr. Alka
Session-4	Trademark: A component of IPR: Dr. Alka

Day3: Monday; 3rd June 2019

Session-1	IPR (Overview, context and response): Dr. Pawan Chaurasia
Session-2	IPR (Overview, context and response): Dr. Pawan Chaurasia
Session-3	Innovation in Biosciences: Dr. Ekta Singh
Session-4	Innovation in Biosciences: Dr. Ekta Singh

Day4: Tuesday; 4th June 2019

Session-1	Entrepreneurial Motivation and Competencies or Schemes for Enterprise Promotion: Dr. Vibha Tripathi
Session-2	Entrepreneurial Motivation and Competencies or Schemes for Enterprise Promotion: Dr. Vibha Tripathi
Session-3	Understanding IPRs: Dr. Sripati Rao Kulkarni
Session-4	Understanding IPRs: Dr. Sripati Rao Kulkarni

Day5: Wednesday, 5th June 2019

Session-1	IPR: Dr. Sandeep
Session-2	Patent Filing: Dr. Sandeep
Session-3	Bolstering Innovation: Dr. Rajiv Kumar Singh
Session-4	• Presentation by Participants and Valedictory • The learning from the FDP was shared at length by the participants. • The sessions were evaluated by Prof. O.P. Singh, Coordinator, TEQIP-III. • Feedback and certificate distribution

DETAILED SCHEDULE OF THE FDP

01st June, 2019		
Schedule		**Timing**
Registration		9:00 am to 10:00 am
Inauguration and Lamp Lighting		10:00 am to 10:05 am
Welcome Address by Chairman, FDP		10:05 am to 10:20 am
Address by Hon'ble Director IET, AKTU Lucknow		10:20 am to 10:30 am
Inauguration Address by Chief Guest		10:30 am to 11:00 am
High Tea		11:00 am to 11:30 am
Session-1	Patent Filing: Dr. Yaswant Dev Panwar	11:30 am to 1:00 pm
Lunch		1:00 pm to 2:00 pm
Session-2	Keynote Lecture: Dr. CM Nautiyal	2:00 pm to 3:15 pm
Tea Break		3:15 pm to 3:30 pm
Session-3	IPR & Entrepreneurship: Dr. Shashi Rana	3:30 pm to 5:00 pm
02nd June,2019		
Schedule		**Timing**
Session-1	Intellectual Property Rights & Creative Commons: Character and Perspective: Dr. Vivek Srivastava	10:00 am to 11:15 am
High Tea		11:15 am to 11:30 am
Session-2	Keynote Speech on IPR: Dr. Shashi Rana	11:30 am to 1:00 pm
Lunch		1:00 pm to 2:00 pm
Session-3	Trademark: A component of IPR: Dr. Alka	2:00 pm to 3:15 pm
Tea Break		3:15 pm to 3:30 pm
Session-4	Trademark: A component of IPR: Dr. Alka	3:30 pm to 5:00 pm
03rdJune, 2019		
Schedule		Timing
Session-1	IPR (Overview, context and response): Dr. Pawan Chaurasia	10:00 am to 11:15 am
High Tea		11:15 am to 11:30 am
Session-2	IPR (Overview, context and response): Dr. Pawan Chaurasia	11:30 am to 1:00 pm
Lunch		1:00 pm to 2:00 pm
Session-3	Innovation in Medical Science: Dr. Ganesh Yadav	2:00 pm to 3:15 pm

Tea Break		3:15 pm to 3:30 pm
Session-4	Innovation in Medical Science: Dr. Ganesh Yadav	3:30 pm to 5:00 pm

4th June, 2019		
Schedule		**Timing**
Session-1	Entrepreneurial Motivation and Competencies or Schemes for Enterprise Promotion: Dr. Vibha Tripathi	10:00 am to 11:15 am
High Tea		11:15 am to 11:30 am
Session-2	Entrepreneurial Motivation and Competencies or Schemes for Enterprise Promotion: Dr. Vibha Tripathi	11:30 am to 1:00 pm
Lunch		1:00 pm to 2:00 pm
Session-3	Understanding IPRs: Dr. Sripati Rao Kulkarni	2:00 pm to 3:15 pm
Tea Break		3:15 pm to 3:30 pm
Session-4	Understanding IPRs: Dr. Sripati Rao Kulkarni	3:30 pm to 5:00 pm
05th June, 2019		
Schedule		**Timing**
Session-1	IPR: Dr. Sandeep	10:00 am to 11:15 am
High Tea		11:15 am to 11:30 am
Session-2	Patent Filing: Dr. Sandeep	11:30 am to 1:00 pm
Lunch		1:00 pm to 2:00 pm
Session-3	Bolstering Innovation: Dr. Rajiv Kumar Singh	2:00 pm to 3:15 pm
Tea Break		3:15 pm to 3:30 pm
Concluding Ceremony & Distribution of Completion Certificate		3:30 pm to 4:55 pm
Vote of Thanks By Convener		4:55 pm 5:00 pm

FDP BROCHURE

CHIEF PATRON:
Prof. Vinay Kumar Pathak
Hon'ble Vice Chancellor
Dr. APJ Abdul Kalam Technical University, Lucknow

PATRON:
Prof. H.K. Paliwal,
Director, IET Lucknow

CHAIRMAN:
Prof. V. K. Singh, ECD, IET

ADVISORY COMMITTEE:
Prof. BN Basu, IIT-BHU Varanasi
Prof. MV Kartikeyan, IIT Roorkee
Prof. Dharmendra Singh, IIT Roorkee
Dr. G. Sivaradje, PEC, Puducherry
Dr. C.M. Nautiyal, BSIP, Lucknow

COORDINATION COMMITTEE:
Prof. Sanjay Srivastava, Dean Acad., IET
Prof. K. Narayan, HOD-CED, Lucknow
Prof. Subodh Wairya, HOD-ECD, IET
Prof. A. K. Katiyar, HOD-ASD, IET
Prof. B. N. Mishra, Coordinator-BT, IET
Dr. Satendra Kumar Singh, HOD-EED, IET
Dr. Dhananjay Singh, HOD-CHEMD, IET
Dr. Arun Kumar Tiwari, HOD-MED, IET
Prof. O.P. Singh, TEQIP-III Coordinator, IET

CONVENER:
Dr. Rajiv Kumar Singh, ECD, IET

COORDINATOR:
Er. Amitesh Pandey, WS, MED, IET

LOCAL ORGANIZING COMMITTEE:
Prof. SRP Sinha, ECD, IET
Dr. RCS Chauhan, ECD, IET
Er. Amit Kumar, ECD, IET
Dr. Nitin Anand Nodal Officer (Academic) TEQIP-III, IET
Mr. Rajeev Mishra, Nodal Officer Proc-2, TEQIP-III, IET

ABOUT THE FDP:
The Electronics Engineering Department of Institute of Engineering and Technology (IET), Lucknow is organizing IET-TEQIP III Sponsored 05-Day Faculty Development Programme on "IPR, Entrepreneurship, and Innovation (IPREI-19)" during 1st - 5th June, 2019. The FDP is designed to bring researchers, academia and technocrats from different parts of the country to a common gathering for exchanging and sharing the recent developments in the field of Intellectual Property Rights (IPR), Entrepreneurship, and Innovation. The experts from prestigious Universities, Institutes, Government bodies, Dept. of Science & Technology, Council of Science & Technology UP, etc. are likely to present their deliberations in the program.

Quite a good number of participants are likely to be aspirants for registration. Due to limited number of seats as per guidelines of AICTE the registration will be done on the first-cum-first-served basis.

The participants are going to gain extensive details of subject knowledge along with guidance on patent filing, copyright, trade mark, etc. Case studies, practical examples, and success stories enrich their concept and it will help them to do better teaching, research and to ensure proper usage of their research work.

ABOUT THE INSTITUTE:
The Institute of Engineering and Technology (IET) Lucknow is one of the premier government technical institute of engineering and technology in Uttar Pradesh, India. The Institute was established in 1984. It was formerly affiliated to the University of Lucknow (1984-1999), currently an autonomous institute and recognized by AICTE. The institute is a constituent college of Dr. APJ Abdul Kalam Technical University, Lucknow.

HOW TO REACH:
The city of Lucknow is well connected by road, rail and air with all the important places of India. The Institute of Engineering &Technology (IET) Lucknow campus is 12 Kms from Lucknow railway station, 23 Kms from the airport.

Faculty Development Program
ON
IPR, Entrepreneurship, and Innovation (IPREI-19)

01-05 June, 2019
Sponsored By
TEQIP III, IET LUCKNOW

Organized By
Department of Electronics Engineering
IET Lucknow

Contact:
Dr. Rajiv Kumar Singh
Ph: +91 9417234560
Email: rksingh@ietlucknow.ac.in

Institute of Engineering and Technology,
(A constituent college of Dr. APJ AKTU, UP, Lucknow)
Sitapur Road, Lucknow – 226021
Web: https://www.ietlucknow.ac.in

FDP on
IPR, Entrepreneurship, and Innovation (IPREI-19)

01-05 June, 2019
IET Lucknow

COURSE MATERIAL:
Hard or soft copies of lecture notes and presentations will be made available to participants at the end of FDP. Registration kit, lunch and tea will be provided to the participants.

OBJECTIVES OF THE COURSE:
1. To provide a forum to exchange views & ideas related to IPR, patent, entrepreneurship & innovation.
2. To improve and boost the faculty's ability in carrying out research, invention and to do innovations.
3. To share the knowledge in terms of protection of commercial interests of creators and innovators, and serving the public interest.

TOPICS TO BE COVERED:
1. IPR Issues & drafting of the innovation.
2. Patent & patent filing.
3. Various aspects of entrepreneurship & innovation.
4. Entrepreneurship identification & facilitation.
5. Perspectives on innovation & importance of innovation.
6. Copyright, trademark, innovation protection.
7. Success story of innovation based entrepreneurs.
8. Any other related topic.

WHO CAN ATTEND?
The programme is open to the teachers of Engineering Colleges, Management Colleges and other allied disciplines. No course fee is charged from participants.

HOW TO APPLY?
The registration is a two steps process:

1- Submission of Registration Form: Participants are required to download the registration form from the link provided "download registration form" available on (https://bit.ly/2Q7ox5R) or institute website (https://www.ietlucknow.ac.in). Kindly fill the downloaded form manually and get it duly signed by concerned authority (Principal/Director) of your institute and send the scanned copy of this IPREI-19 registration form to "iprei19iet@gmail.com" on or before 25th May, 2019. Participants are also required to submit hard copy of the registration form at registration desk on the first day of FDP.

2. Submission of Online Application Form: Kindly fill your details to be provided in the online application form given in https://forms.gle/byShksSjf6GFUTEc8 and in institute's website (https://www.ietlucknow.ac.in) and submit it.

SELECTION CRITERIA:
Selection will be done based on first-come-first-serve basis to a maximum number of 40 (forty). The list of selected participants will be intimated through e-mail. Candidates will be issued certificates on successful completion of the course.

VENUE:
Institute of Engineering & Technology, Sitapur Road, Lucknow.

IMPORTANT DATES:
Last Date of Registration: May 25, 2019
Intimation of Selection: May 29, 2019
Duration of Program: June 01-05, 2019

REGISTRATION FORM

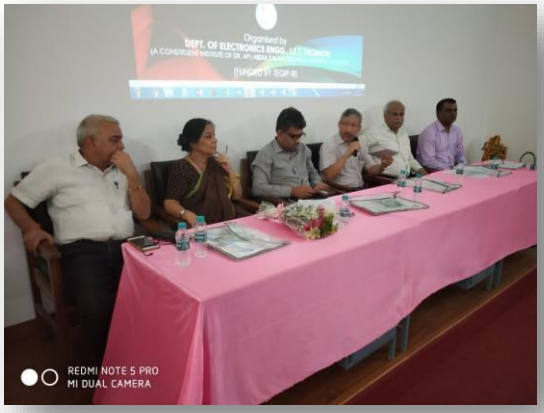
1. Name:.....
2. Father's Name:.....
3. Institution: .....
4. Designation: .....
5. Email-ID: .....
6. Mobile No.: .....
7. Aadhar No.: .....
8. Address for Correspondence: .....
9. Subjects taught so far: .....
10. Educational Qualification: .....
11. No. of refresher courses/workshops attended: .....
12. Experience (in years): .....

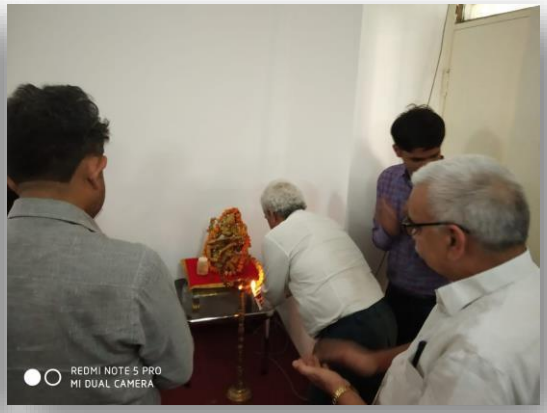
Place: Date:

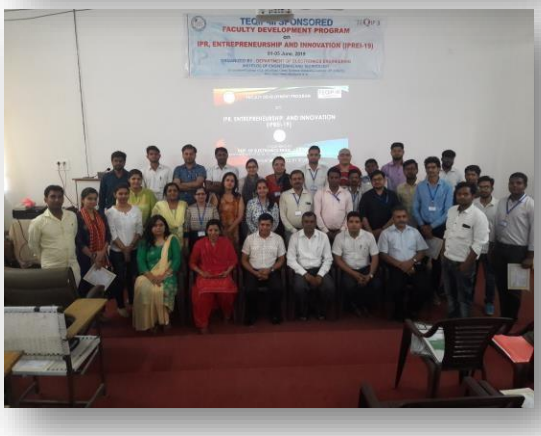
Signature of Applicant

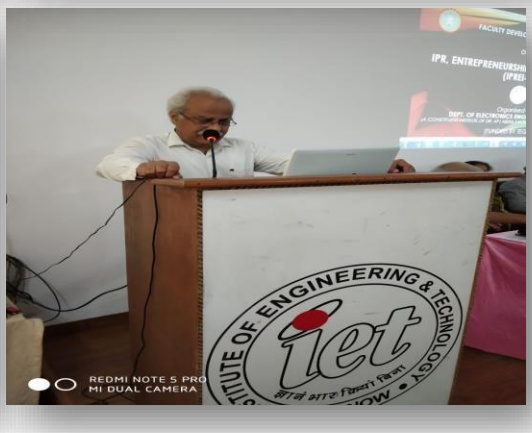
Signature & Seal (Head of Dept. / Institute)

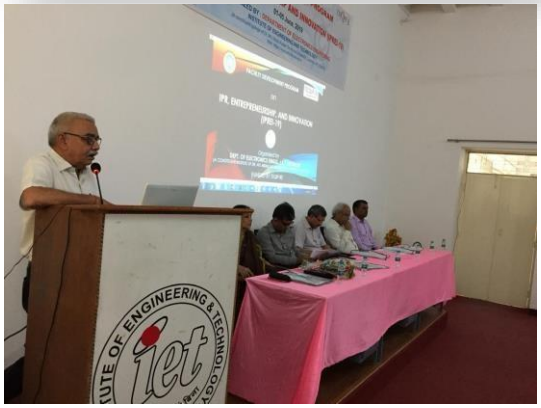
MEDIA GALLERY

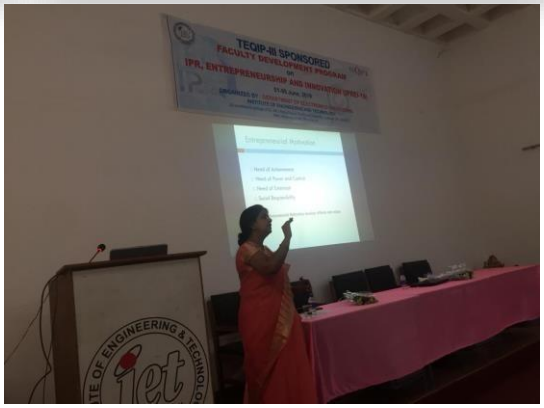


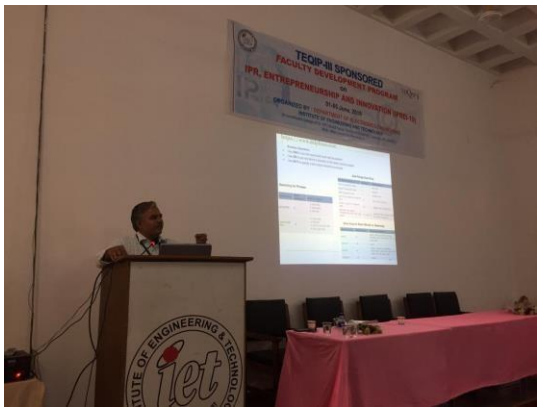












2. FACULTY DEVELOPMENT PROGRAMME (FDP) ON Advances In Microwave Engineering (AME-19)

(Sponsored by AKTU-AICTE)

08th – 12th June 2019

Convener: Dr. Rajiv Kumar Singh, Associate Dean (PGSR), AKTU

Dr. APJ Abdul Kalam Technical University, Lucknow has organized AKTU-AICTE sponsored 05 Day Faculty Development Programme on "Advances in Microwave Engineering (AME-19)" during 08th – 12th June 2019. The FDP was designed to bring researchers, academia and technocrats from different parts of the country, to a common gathering for exchanging and sharing the recent developments in the field of state-of-art microwave components, devices, and systems for high information density communication, radar system, electronic warfare, military application, civilian applications, etc. The experts from prestigious Universities, IITs, DRDO and CSIR laboratories, etc. presented their deliberations in the program.

The participants gained extensive details of subject knowledge along with guidance on High power microwave (HPM) sources, Microwave applications, Microwave antenna, Microwave communication and remote sensing, Metamaterial assistance in microwave engineering, Hands-on-training in relevant simulation software, practical examples, and success stories enriched their concept and helped them to do better teaching, research and ensured proper usage of their research work. A total of 60 participants and 10 volunteers and some staff members attended this FDP.

OBJECTIVES OF THE FDP:

i. To provide a forum to exchange views & ideas related to microwave engineering.
ii. To improve and boost the faculty's ability in carrying out research, invention and to do innovations in microwave engineering area.
iii. To share the knowledge in terms of protection of commercial interests of creators and innovators, and serving the public interest.

FDP HIGHLIGHTS:

Day 1: Saturday; 8th June 2019

Inauguration:

The FDP was inaugurated by Dr. SUM Reddy, along with the Hon'ble Vice Chancellor, AKTU Lucknow, Director of the centre of advance studies Prof. Manish Gaur, Professor Subal Kar, Calcutta University, Professor BN Basu, IIT-BHU/SKFGI, Dr. LM Joshi, CSIR-CEERI, Pilani, Dr. S K Datta, DRDO-MTRDC and Dr. Rajiv Kumar Singh. Best wishes ware given by all the dignitaries for successful conduct of the FDP.

Session-1	Teaching of microwave engineering needing a paradigm change: Prof. Subal Kar
	High power microwaves: Dr. SUM Reddy
Session-2	Microwave radiation safety standards: Dr. SK Dutta
Session-3	National Scenario of R&D in microwave tubes: Prof. BN Basu

Day2: Sunday; 9th June 2019

Session-1	Power klystrons for charged particle accelerators: Prof. LM Joshi
Session-2	Microwave tubes: Prospect in 21st century: Prof. AK Sinha
Session-3	Scientific temperament: Prof. AK Sinha

Session-4	EM boundary conditions: Prof. B.N. Basu

Day3: Monday; 10th June 2019

Session-1	Revisiting the fundamental concepts of antennas encompassing the use of HFSS software: Mr.S. Chakaraborty
Session-2	Relevance of TWTs in the era of 5G: Mr.S. Chakaraborty
Session-3	Glimpses of new techniques for the generation of flat-top radiation patterns from antennas and antenna arrays sharing the experience of using HFSS software: Mr.S. Chakaraborty
Session-4	Metamaterials: an emerging field of research in microwaves and photonics: Prof. Subal Kar

Day4: Thueday; 11th June 2019

Session-1	Fast-wave electromagnetic methods for analysing disc-loaded circular waveguides for their prospective application in gyro-travelling-wave tubes: Dr. Vishal Kesari
Session-2	Sharing experience of HFSS simulation in the characterization of interaction structures and couplers: Dr. Vishal Kesari
Session-3	Recent advances in metamaterial assistance in microwave tubes sharing CST Studio Suite simulation experience in the design: Mr. Raktim Guha
Session-4	Survey of metamaterial based microwave vacuum devices sharing CST Studio Suite simulation experience in the study of such devices: Dr. N Purushothaman

Day5: Wednesday, 12th June 2019

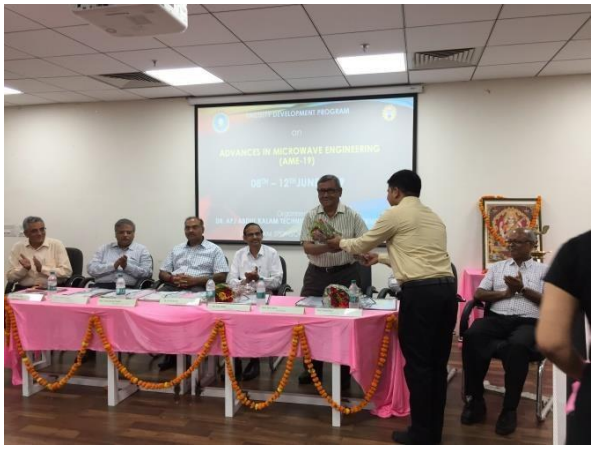
Session-1	Thermal management of microwave tubes sharing the ANSYS simulation experience: Dr. Vishant Gahlaut
Session-2	Circuit theory vis-à-vis EM theory: B.N. Basu/ EM analysis of RF structures for their potential application in gyro-devices Part 1: Dr. R.K. Singh
Session-3	**Test / Examination:** to be arranged by Dr. R.K. Singh in liaison with Prof. B.N. Basu
Session-4	EM analysis of RF structures for their potential application in gyro-devices Part 2: Dr. R.K. Singh
	• Presentation by Participants and Valedictory • The learning from the FDP was shared at length by the participants. • The sessions were evaluated by Prof. O.P. Singh, Coordinator, TEQIP-III. Feedback and certificate distribution

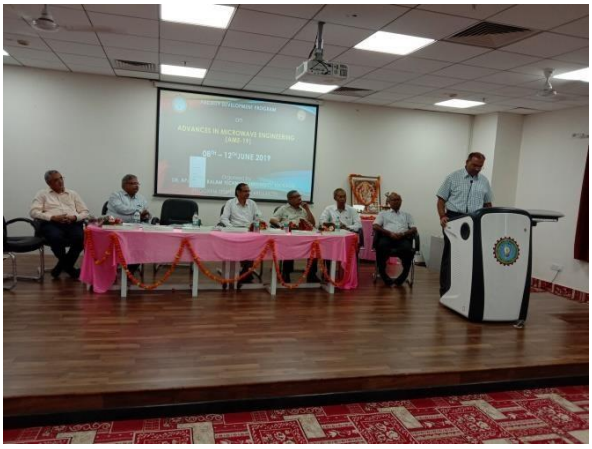
DETAILED SCHEDULE

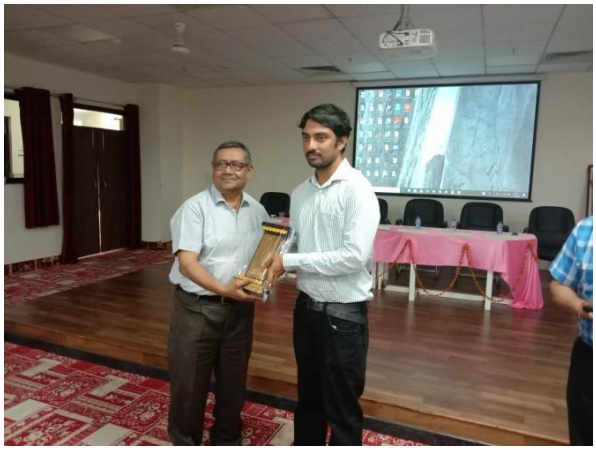
08th June, 2019		
Schedule		**Timing**
Registration		9:00 am to 10:00 am
Inauguration and Lamp Lighting		10:00 am to 10:05 am
Welcome Address by Director		10:05 am to 10:10 am
Address by Hon'ble Vice Chancellor, AKTU Lucknow		10:10 am to 10:30 am
Inauguration Address by Chief Guest		10:30 am to 11:00 am
Remarks by Guests of Honour		11:00 am to 11:15 am
High Tea		11:15 am to 11:30 am
Session-1	Teaching of microwave engineering needing a paradigm change: Prof. Subal Kar High power microwaves: Dr. SUM Reddy	11:30 am to 1:45 pm
Lunch		1:45 pm to 2:30 pm
Session-2	Microwave radiation safety standards: Dr. SK Dutta	2:30 pm to 3:45 pm
Tea Break		3:45 pm to 4:00 pm
Session-3	National Scenario of R&D in microwave tubes: Prof. BN Basu	4:00 pm to 5:30 pm
09th June, 2019		
Schedule		**Timing**
Session-1	Power klystrons for charged particle accelerators: Prof. LM Joshi	10:00 am to 11:15 am
High Tea		11:15 am to 11:30 am
Session-2	Microwave tubes: Prospect in 21st century: Prof. AK Sinha	11:30 am to 1:00 pm
Lunch		1:00 pm to 2:00 pm
Session-3	Scientific temperament: Prof. AK Sinha	2:00 pm to 3:15 pm
Tea Break		3:15 pm to 3:30 pm
Session-4	EM boundary conditions: Prof. B.N. Basu	3:30 pm to 5:00 pm
10th June, 2019		
Schedule		**Timing**
Session-1	Revisiting the fundamental concepts of antennas encompassing the use of HFSS software: Mr.S. Chakaraborty	10:00 am to 11:15 am
High Tea		11:15 am to 11:30 am

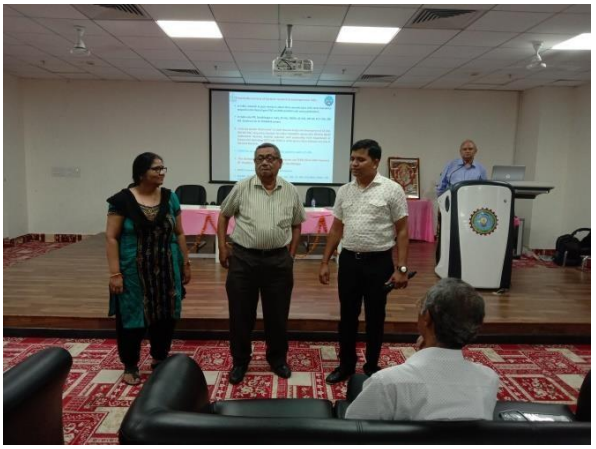
Session-2	Relevance of TWTs in the era of 5G: Mr.S. Chakaraborty	11:30 am to 1:00 pm
Lunch		1:00 pm to 2:00 pm
Session-3	Glimpses of new techniques for the generation of flat-top radiation patterns from antennas and antenna arrays sharing the experience of using HFSS software: Mr.S. Chakaraborty	2:00 pm to 3:15 pm
Tea Break		3:15 pm to 3:30 pm
Session-4	Metamaterials: an emerging field of research in microwaves and photonics: Prof. Subal Kar	3:30 pm to 5:00 pm
11thJune, 2019		
Session-1	Fast-wave electromagnetic methods for analysing disc-loaded circular waveguides for their prospective application in gyro- travelling-wave tubes: Dr. Vishal Kesari	10:00 am to 11:30 am
High Tea		11:30 am to 11:45 am
Session-2	Sharing experience of HFSS simulation in the characterization of interaction structures and couplers: Dr. Vishal Kesari	11:45 am to 1:15 pm
Lunch		1:15 pm to 2:15 pm
Session-3	Recent advances in metamaterial assistance in microwave tubes sharing CST Studio Suite simulation experience in the design: Mr. RaktimGuha	2:15 pm to 3:30 pm
Tea Break		3:30 pm to 3:45 pm
Session-4	Survey of metamaterial based microwave vacuum devices sharing CST Studio Suite simulation experience in the study of such devices: Dr. N Purushothaman	3:45 pm to 5:30 pm
12thJune, 2019		
Session-1	Thermal management of microwave tubes sharing the ANSYS simulation experience: Dr. Vishant Gahlaut	10:00 am to 11:15 am
High Tea		11:15 am to 11:30 am
Session-2	Circuit theory vis-à-vis EM theory: B.N. Basu/ EM analysis of RF structures for their potential application in gyro-devices Part 1: Dr. R.K. Singh	11:30 am to 12:45 pm
Session-3	**Test / Examination:** to be arranged by Dr.R.K. Singh in liaison with Prof. B.N. Basu	12: 45 pm to 01:45 pm
Lunch		1:45 pm to 2:45 pm
Session-4	EM analysis of RF structures for their potential application in gyro-devices Part 2: Dr. R.K. Singh	2:45 pm to 3:45 pm
Tea Break		3:45 pm to 4:00 pm
Valedictory/Distribution of Certificates/ Vote of Thanks by Convener		4:00 pm to 5:15 pm

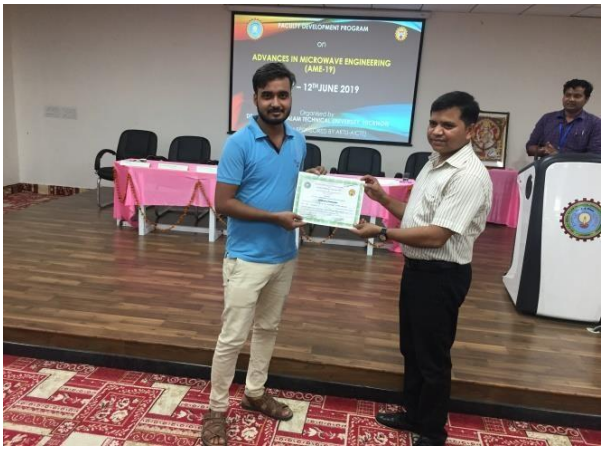
MEDIA GALLERY











FDP BROCHURE

CHIEF PATRON:
Prof. Vinay Kumar Pathak
Hon'ble Vice Chancellor
Dr. APJ Abdul Kalam Technical University, Lucknow

Convener:
Dr. Rajiv Kumar Singh, Associate Dean PGSR, AKTU

Coordination Committee:
Prof. Manish Gaur, Director, CAS, AKTU
Prof. M. K. Dutta, Dean PGSR, AKTU
Prof. Subodh Wairya, HOD-ECD, IET
Dr. Subhrajit Banerjee, Assoc. Dean PGSR, AKTU
Dr. Arunima Verma, Assoc. Dean PGSR, AKTU

ABOUT THE FDP:
Dr. APJ Abdul Kalam Technical University (AKTU), Lucknow is organizing AKTU-AICTE Sponsored 05-Day Faculty Development Programme (FDP) on "Advances in Microwave Engineering (AME-19)" from 8th to 12th June, 2019. The FDP is designed to bring together under the same canopy the researchers, academia and national laboratories from different parts of the country for exchanging and sharing the recent developments in the field of MICROWAVE ENGINEERING.

RESOURCE PERSONS:
The following resource persons/experts of repute from prestigious universities, IITs, DRDO and CSIR laboratories are likely to present their deliberations in the program.

Professor PK Saha, Calcutta University
Professor Subal Kar, Calcutta University
Professor BN Basu, IIT-BHU/SKFGI
Professor PK Jain, IIT-BHU/NIT-Patna-Director
Professor M Thottappan, IIT-BHU
Professor MV Kartikeyan, IIT-Roorkee
Professor Dharmendra Singh, IIT-Roorkee
Dr. LM Joshi, CSIR-CEERI, Pilani
Dr. AK Sinha, CSIR-CEERI, Pilani
Dr. SUM Reddy, DRDO-MTRDC, Bangalore-Director
Dr. S K Datta, DRDO-MTRDC
Dr. Vishal Kesari, DRDO-MTRDC
Dr. Purushothaman N, CSIR-CEERI, Pilani
Dr. Subhradeep Chakraborty, CSIR-CEERI, Pilani
Dr. Raktim Guha, CSIR-CEERI, Pilani
Dr. Vishant Gahlaut, Banasthali Vidyapith, Banasthali
Dr. Ashutosh Singh, BRABU, Muzzaffarpur

Quite a good number of participants are likely to be aspirants for registration. Due to limited number of seats as per guidelines of AICTE, the registration will be done on the first-cum-first-served basis and according to the stipulated norms.

ABOUT AICTE:
All India Council for Technical Education (AICTE) was set up in November 1945 as a national-level Apex Advisory Body to conduct a survey on the facilities available for technical education and to promote development in the country in a coordinated and integrated manner. The main objectives of AICTE are: ❖ Promotion of Quality in Technical Education. ❖ Planning and Coordinated Development of Technical Education System. ❖ Regulations and Maintenance of Norms and Standards. https://www.aicte-india.org/

ABOUT AKTU:
Dr. A.P.J. Abdul Kalam Technical University (AKTU) (formerly UPTU) was established by the Government of Uttar Pradesh, on Sept 9, 2015 Uttar Pradesh. The University is affiliating in nature and its jurisdiction spans the entire state of Uttar Pradesh in affiliating B.Tech., M.B.A., M.C.A., B.Arch., B. Pharma., B.H.M.C.T., M.Tech. and Ph.D. programmes in 587 colleges/institutions. AKTU envisions in facilitating and nurturing the quality of technical education and research in its own premises as well as all affiliating institutions. https://aktu.ac.in/

HOW TO REACH THE VENUE:
The city of Lucknow is well connected by road, rail and air with all the important places of India. Dr. A.P.J. Abdul Kalam Technical University (AKTU), Lucknow campus, is 15 Kms from Lucknow railway station and 26 Kms from the airport. The program venue is AKTU University Campus at Sec.-11, Jankipuram Extn., Lucknow.

Faculty Development Program
on
Advances in Microwave Engineering (AME-19)

Joint-AKTU-AICTE
Short Term
Training
Programme

08-12 June, 2019

Sponsored By
AKTU-AICTE

Organized By
Dr. APJ Abdul Kalam Technical University
Lucknow

Contact:
DR. RAJIV KUMAR SINGH
Ph:+919417234560
Email: rksingh@ietlucknow.ac.in

Dr. APJ Abdul Kalam Technical University
Lucknow – 226 031
Web:https://www.aktu.ac.in

FDP on
Advances in Microwave Engineering (AME-19)

08-12 June, 2019
AKTU Lucknow

COURSE MATERIAL:
Hard or soft copies of lecture notes and presentations will be made available to participants at the end of FDP. Registration kit, lunch and tea will be provided to the participants.

Objectives of the course
1. To provide a forum to exchange views & ideas related to microwave engineering.
2. To improve and boost the faculty's ability in carrying out research, invention and to do innovations in microwave engineering area.
3. To share the knowledge in terms of protection of commercial interests of creators and innovators, and serving the public interest.

Topics to be covered
1. High power microwave (HPM) sources
2. Microwave applications
3. Microwave antenna
4. Microwave communication and remote sensing
5. Metamaterial assistance in microwave engineering
6. Hands-on-training in relevant simulation software

WHO CAN ATTEND?
The programme is open to the teachers, scientists and engineers. No course fee is charged from participants.

HOW TO APPLY?
The registration is done in two-step process:

1-Submission of Registration Form: Participants are required to download the registration form from the link provided: "download registration form" available on (https://bit.ly/2VITkx1) or University website (https://www.aktu.ac.in). Kindly fill in the downloaded form manually and get it dully signed by concerned authority (Principal/Director) of your institute and send the scanned copy of this AME-19 registration form to "ame19aktu@gmail.com" on or before 3rd June, 2019. Participants are also required to submit hard copy of the registration form on the first day of FDP.

2. Submission of Online Application Form: Kindly fill your details to be provided in the online application form given in https://forms.gle/mJUkUAKyVrGp7MqG7 or in University's website (https://www.aktu.ac.in) and submit it.

SELECTION CRITERIA:
Selection will be done based on first-come-first-serve basis to a maximum number of 40 (forty). The list of selected participants will be intimated through e-mail. Candidates will be issued certificates on successful completion of the course.

VENUE:
Dr. APJ Abdul Kalam Technical University
Sector-11, Jankipuram Vistar, Lucknow, UP, India

IMPORTANT DATES:
Last Date of Registration: June 03, 2019
Intimation of Selection: June 05, 2019
Duration of Program: June 08-12, 2019

REGISTRATION FORM

1. Name:.....
2. Father's Name:.....
3. Institution: .....
4. Designation: .....
5. Email-ID: .....
6. Mobile No.: .....
7. Aadhar No.: .....
8. Address for Correspondence: .....
9. Subjects taught so far: .....
10. Educational Qualification: .....
11. No. of refresher courses/workshops attended: .....
12. Experience (in years): .....

Place: Date:

Signature of Applicant

Signature & Seal
(Head of Dept. / Institute)

3. FACULTY DEVELOPMENT PROGRAMME (FDP) ON Recent Trends in High Frequency Devices and Applications (RTHFDA-2019)

(Sponsored by TEQIP-III, IET, Lucknow)

17th – 21st June, 2019

Convener: Dr. Rajiv Kumar Singh, Asst. Professor, ECD, Lucknow

The Electronics Engineering Department of Institute of Engineering and Technology (IET), Lucknow has organized TEQIP-III sponsored 05-Day Faculty Development Programme on "Recent Tends in High Frequency Devices and Applications (RTHFDA-2019)" during 17th – 21st June, 2019. The FDP was designed to bring researchers, academia and technocrats from different parts of the country, to a common gathering for exchanging and sharing the recent developments in the field of state-of-art microwave components, devices, and systems for high information density communication, radar system, electronic warfare, military application, civilian applications, etc. The experts from prestigious Universities. Institutes, Government bodies, Dept. of Science & Technology, Council of Science & Technology UP, etc. presented their deliberations in the program.

The participants gained extensive details of subject knowledge along with guidance on recent tends in high frequency Devices, Case studies, practical examples, and success stories enriched their concept and helped them to do better teaching, research and ensured proper usage of their research work. A total of 63 participants and 10 volunteers and some staff members attended this FDP.

OBJECTIVES OF THE FDP:

i. To provide a forum to exchange views & ideas related to Microwave Engineering.
ii. To improve and boost the faculty-s ability in carrying out research, invention and to do innovations.
iii. To share the knowledge and recent advances in the field of microwave engineering keeping in mind to provide butter facilities in the application areas of microwaves.

FDP HIGHLIGHTS:

Day 1: Monday; 17th June 2019

Inauguration: The FDP was inaugurated by Dr. Veer Singh Gangwar. Scientist-'E' LRDEC-DRDO Bangalor along with the Director of the Institute Prof. H.K. Paliwal, Prof. VK Singh, IET Lucknow, Dr. O.P. Singh TEQIP-III coordinator, IET Lucknow, and Dr. Rajiv Kumar Singh IET Lucknow. Best wishes ware given by all the dignitaries for successful conduct of the FDP.

Session-1	Advancement in Active Phased Array Technology for Military Radar Applications: Dr. Veer Singh Gangwar
Session-2	Design and Characterization aspects of Active Phased Arrays: Dr. Veer Singh Gangwar
Session-3	Electromagnetic radiation from cell phone towers: Dr. R.K. Singh

Day2: Tuesday; 18th June 2019

Session-1	Applications of Microwave High Power Devices for Defence Applications: Dr. R.K. Singh
Session-2	EM Analysis of RF Structures for gyro devices: Dr. R.K. Singh
Session-3	Emerging wideband semiconductors for high frequency devices: Dr. Praveen Saxena
Session-4	Emerging wideband semiconductors for high frequency devices: Dr. Praveen Saxena

Day3: Wednesday; 19th June 2019

Session-1	GPS applications it Remote Sensing: Dr. PPS Vadav
Session-2	GPS applications it Remote Sensing: Dr. PPS Vadav
Session-3	Applications of Microwaves in Communication: Prof. Neelam Srivastava
Session-4	Applications of Microwaves in Communication: Prof. Neelam Srivastava

Day4: Thursday; 20th June 2019

Session-1	Role of space & Digital Technolog/Rural Development: Dr. V. Rajamani, RSAC
Session-2	Environmental monitoring & Assessment by Remote Sensing: Dr. V. Rajamani, RSAC
Session-3	1. Applications of Geospatial 'Techniques viz. Remote Sensing, GPS, UAV and GIS in Geosciences and Civil Engineering. 2. Role of Remote Sensing and GIS in Disaster Management: Dr. Aniruddh Uniyal
Session-4	Artificial Intelligence in Radiology: Dr. Anit Parihar, KGMU

Day5: Friday, 21st June 2019

Session-1	Impact of Electro-Magnetic Field (EMF) on Human Health: An Overview: Dr. Shailendra Saxena, KGMU
Session-2	Urban flood hazard zonation Mapping using remote sensing data and weighted overlay analysis in GIS Environment: Dr. Veerendra Kumar RSAC
Session-3	Site suitability modelling for solid waste disposal site selection using remote sensing, GIS & AHP method: Dr. Veerendra Kumar, RSAC
Session-4	• Presentation by Participants and Valedictory • The learning from the FDP was shared at length by the participants. • The sessions were evaluated by Prof. O.P. Singh, Coordinator, TEQIP-III. Feedback and certificate distribution

DETAILED SCHEDULE

17th June, 2019		
Schedule		**Timing**
Registration		9:00 am to 10:00 am
Inauguration and Lamp Lighting		10:00 am to 10:05 am
Welcome Address by Chairman FDP		10:05 am to 10:10 am
Address by Hon'ble Director, IET Lucknow		10:10 am to 10:30 am
Inauguration Address by Chief Guest		10:30 am to 11:00 am
Remarks by Guests of Honour		11:00 am to 11:15 am
High Tea		11:15 am to 11:30 am
Session-1	Advancement in Active Phased Array Technology for Military Radar Applications: Dr. Veer Singh Gangwar	11:30 am to 1:30 pm
Lunch		1:30 pm to 2:15 pm
Session-2	Design and Characterization aspects of Active Phased Arrays: Dr. Veer Singh Gangwar	2:15 pm to 3:30 pm
Tea Break		3:30 pm to 3:45 pm
Session-3	Electromagnetic radiation from cell phone towers: Dr. R.K. Singh	3:45 pm to 5:00 pm
18th June, 2019		
Schedule		**Timing**
Session-1	Applications of Microwave High Power Devices for Defence Applications: Dr. R.K. Singh	10:00 am to 11:15 am
High Tea		11:15 am to 11:30 am
Session-2	EM Analysis of RF Structures for gyro devices: Dr. R.K. Singh	11:30 am to 1:00 pm
Lunch		1:00 pm to 2:00 pm
Session-3	Emerging wideband semiconductors for high-frequency devices: Dr. Praveen Saxena	2:00 pm to 3:15 pm
Tea Break		3:15 pm to 3:30 pm
Session-4	Emerging wideband semiconductors for high-frequency devices: Dr. Praveen Saxena	3:30 pm to 5:00 pm
19th June, 2019		
Session-1	GPS applications in Remote Sensing: Dr. PPS Yadav	10:00 am to 11:15 am
High Tea		11:15 am to 11:30 am
Session-2	GPS applications in Remote Sensing: Dr. PPS Yadav	11:30 am to 1:00 pm
Lunch		1:00 pm to 2:00 pm
Session-3	Applications of Microwaves in Communication: Prof. Neelam Srivastava	2:00 pm to 3:15 pm

Tea Break		3:15 pm to 3:30 pm
Session-4	Applications of Microwaves in Communication: Prof. Neelam Srivastava	3:30 pm to 5:00 pm
20th June, 2019		
Session-1	Role of space & Digital Technology I Rural Development: Dr. V. Rajamani, RSAC	10:00 am to 11:15 am
High Tea		11:15 am to 11:30 am
Session-2	Environmental monitoring & Assessment by Remote Sensing: Dr. V. Rajamani, RSAC	11:30 am to 1:00 pm
Lunch		1:00 pm to 2:00 pm
Session-3	1. Applications of Geospatial Techniques viz. Remote Sensing, GPS, UAV and GIS in Geosciences and Civil Engineering 2. Role of Remote Sensing and GIS in Disaster Management: Dr. Aniruddh Uniyal	2:00 pm to 3:15 pm
Tea Break		3:15 pm to 3:30 pm
Session-4	Artificial Intelligence in Radiology: Dr. Anit Parihar KGMU	3:30 pm to 5:00 pm
21st June, 2019		
Session-1	Impact of Electro-Magnetic Field (EMF) on Human Health: An Overview: Dr. Shailendra Saxena, KGMU	10:00 am to 11:15 am
High Tea		11:15 am to 11:30 am
Session-2	Urban flood hazard zonation Mapping using remote sensing data and weighted overlay analysis in GIS Environment: Dr. Veerendra Kumar RSAC	11:30 am to 1:00 pm
Lunch		1:00 pm to 2:00 pm
Session-3	Site suitability modelling for solid waste disposal site selection using remote sensing, GIS & AHP method: Dr. Veerendra Kumar, RSAC	2:00 pm to 3:45 pm
Tea Break		3:45 pm to 4:00 pm
Valedictory/Distribution of Certificates/ Vote of Thanks by Convener		4:00 pm to 5:00 pm

CHIEF PATRON:
Prof. Vinay Kumar Pathak
Hon'ble Vice Chancellor
Dr. APJ Abdul Kalam Technical University, Lucknow

PATRON:
Prof. H.K. Paliwal
Director, IET Lucknow

CHAIRMAN:
Prof. V. K. Singh, ECD, IET

CONVENER:
Dr. Rajiv Kumar Singh, ECD, IET

COORDINATION COMMITTEE:
Prof. Sanjay Srivastava, Dean Acad., IET
Prof. K. Narayan, HOD-CED, Lucknow
Prof. A. K. Katiyar, HOD-ASD, IET
Prof. Subodh Wairya, HOD-ECD, IET
Prof. B. N. Mishra, Coordinator-BT, IET
Dr. Satendra Kumar Singh, HOD-EED, IET
Dr. Dhananjay Singh, HOD-CHEMD, IET
Dr. Arun Kumar Tiwari, HOD-MED, IET
Prof. O.P. Singh, TEQIP-III Coordinator, IET

LOCAL ORGANIZING COMMITTEE:
Prof. SRP Sinha, ECD, IET
Dr. RCS Chauhan, ECD, IET
Er. Amit Kumar, ECD, IET
Dr. Nitin Anand Nodal Officer (Academic) TEQIP-III, IET
Mr. Rajeev Mishra, Nodal Officer Proc-2, TEQIP-III, IET

ABOUT THE FDP:
Department of Electronics Engineering, Institute of Engineering and Technology (IET), Lucknow is organizing TEQIP-III sponsored 05-day Faculty Development Programme (FDP) on "Recent Trends in High Frequency Devices and Applications (RTHFDA-2019) from 17th to 21st June, 2019. The FDP is designed to bring together under the same canopy the researchers, academia and national laboratories from different parts of the country for exchanging and sharing the recent developments in the field of high frequency devices particularly high-power high-frequency devices and their applications.

RESOURCE PERSONS:
The following resource persons/experts of repute from prestigious universities, IITs, DRDO and CSIR laboratories are likely to present their deliberations in the program.

Professor BN Basu, IIT-BHU/SKFGI
Dr. A.L. Haldar, Scientist-(SG), RSAC(UP)
Dr. V. Rajamani, Scientist-(SG), RSAC(UP)
Dr. A. Uniyal, Scientist-(SE), RSAC(UP)
Shri P.P.S. Yadav, Scientist-(SD), RSAC(UP)
Shri Sangharsh Rao, Scientist-(SD), RSAC(UP)
Dr. Shailendra K. Saxena, KGMU Lucknow
Dr. Hemendra Kumar Pandey, BARC Kolkata
Prof. Neelam Srivastava, Director REC(K)
Dr. Ashutosh Singh, BBAU, Muzzaffarpur
Dr. Veer Singh Gangwar, DRDO-LRDE

Quite a good number of participants are likely to be aspirants for registration. Due to limited number of seats as per guidelines of AICTE, the registration will be done on the first-cum-first-served basis and according to the stipulated norms.

ABOUT INSTITUTE:
Institute of Engineering and Technology (IET), Lucknow is one of the premier government technical institute of engineering and technology in Uttar Pradesh, India. The Institute was established in 1984 and is currently an autonomous institute recognized by AICTE. The institute is a constituent college of Dr. APJ Abdul Kalam Technical University, Lucknow.

HOW TO REACH:
The city of Lucknow is well connected by road, rail and air with all the important places of India. The Institute of Engineering &Technology (IET) Lucknow campus, is 12 Kms from Lucknow railway station and 23 Kms from the airport. The program venue is IET Lucknow campus.

Faculty Development Program
on
Recent Trends in High Frequency Devices and Applications (RTHFDA-2019)

17-21 June, 2019
Sponsored By
TEQIP III, IET LUCKNOW

Organized By
Department of Electronics Engineering
IET Lucknow

Contact:
DR. RAJIV KUMAR SINGH
Ph: +919417234560
Email: rksingh@ietlucknow.ac.in

Institute of Engineering and Technology, (A constituent college of Dr. APJ AKTU, UP, Lucknow)
Sitapur Road, Lucknow – 226021
Web: https://www.ietlucknow.ac.in

FDP on
Recent Trends in High Frequency Devices and Applications (RTHFDA-2019)

17-21 June, 2019
IET Lucknow

COURSE MATERIAL:
Hard or soft copies of lecture notes and presentations will be made available to participants at the end of FDP. Registration kit, lunch and tea will be provided to the participants.

OBJECTIVES OF THE COURSE
1. To provide a forum to exchange views & ideas related to microwave engineering.
2. To improve and boost the faculty's ability in carrying out research, invention and to do innovations in microwave engineering area.
3. To share the knowledge in terms of protection of commercial interests of creators and innovators, and serving the public interest.

TOPICS TO BE COVERED
1. Challenges of industry in Microwave application areas.
2. Various aspects of designing microwave devices.
3. Recent advances in Gyro-Klystrons.
4. Development of Electron Gun: Issues & Challenges.
5. Challenges in Microwave Communication.
6. Metamaterials for microwave devices.
7. Development of gyrotron devices.
8. Antennas for high information density communication
9. Hands-on-training on simulation software

WHO CAN ATTEND?
The programme is open to the teachers of Engineering Colleges, Management Colleges and other allied disciplines. No course fee is charged from participants.

HOW TO APPLY?
The registration is a two steps process:

1- Submission of Registration Form: Participants are required to download the registration form from the link provided "download registration form" available on (http://tiny.cc/yfp27y) or institute website (https://www.ietlucknow.ac.in) Kindly fill the downloaded form manually and get it dully signed by concerned authority (principal/director) of your institute and send the scanned copy of this RTHFDA-19 registration form to "rksingh@ietlucknow.ac.in" on or before 3rd June, 2019. Participants are also required to submit hard copy of the registration form on the first day of FDP.

2. Submission of Online Application Form: Kindly fill your details to be provided in the online application form given in https://forms.gle/4EhX2YTveNWe8WyJ6 institute's website (https://www.ietlucknow.ac.in) and submit it.

SELECTION CRITERIA:
Selection will be done based on first-come-first-serve basis to a maximum number of 40 (forty). The list of selected participants will be intimated through e-mail. Candidates will be issued certificates on successful completion of the course.

VENUE:
Seminar Hall, Electronics Engg. Dept, IET Lucknow.

IMPORTANT DATES:
Last Date of Registration: June 14, 2019
Intimation of Selection: June 16, 2019
Duration of Program: June 17-21, 2019

REGISTRATION FORM

1. Name:.....
2. Father's Name:.....
3. Institution: .....
4. Designation: .....
5. Email-ID: .....
6. Mobile No.: .....
7. Aadhar No.: .....
8. Address for Correspondence: .....
9. Subjects taught so far: .....
10. Educational Qualification: .....
11. No. of refresher courses/workshops attended: .....
12. Experience (in years): .....

Place: Date:

Signature of Applicant

Signature & Seal (Head of Dept. / Institute)

MEDIA GALLERY