

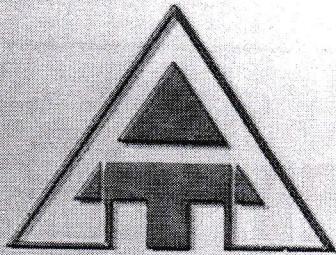
# Army Institute of Technology

## Criteria 6.5.3 Quality assurance initiatives of the institution

### List of Collaborative quality initiatives with other institution(s)

Year	Collaborative quality initiatives with other institution(s) (Provide name of the institution and activity)	Page No
2015-16	FDP on "Advances in Machine Learning and Image Processing" under the QIP of SPPU	2-14
	Seminar on "Technical Paper writing & Plagiarism" by Dr. Nandkumar Bhalchandra Dahi bahte ,Principal Technical officer,NCL	15-15





Onward to Glory



**STATE LEVEL FACULTY DEVELOPMENT PROGRAMME  
ON  
ADVANCES IN MACHINE LEARNING  
AND  
IMAGE PROCESSING**

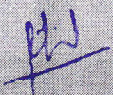
**UNDER  
QUALITY IMPROVEMENT PROGRAMME OF  
SAVITRIBAI PHULE PUNE UNIVERSITY**

**08-10 FEBRUARY 2016**

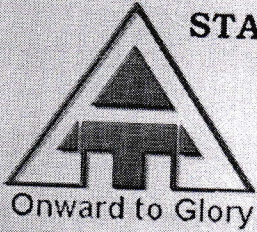
**DEPARTMENT OF INFORMATION TECHNOLOGY  
ARMY INSTITUTE OF TECHNOLOGY**

**DIGHI HILLS, PUNE -411015**

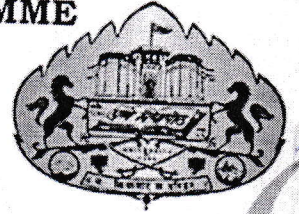


  
Principal  
Army Institute of Technology  
Dighi Hillis, Pune - 411015





**STATE LEVEL FACULTY DEVELOPMENT PROGRAMME  
ON  
ADVANCES IN MACHINE LEARNING  
AND  
IMAGE PROCESSING**



**ABOUT FDP**

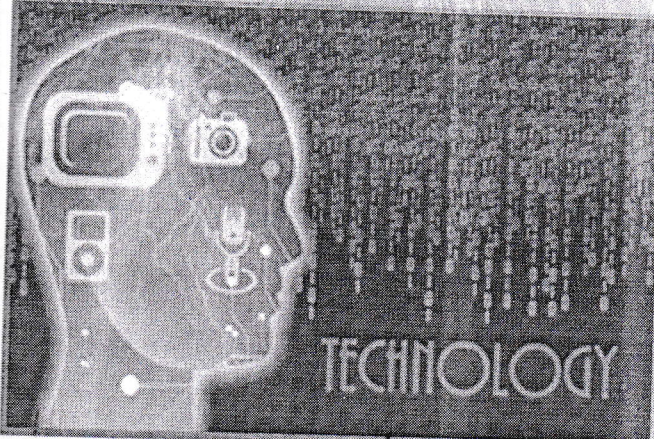
Digital image processing is the use of computer algorithms to get an enhanced image or to extract some useful information from it. Nowadays, image processing is one of the rapidly growing technologies. It forms a core research area within the engineering and computer science disciplines too. Machine learning is also a sub-field of computer science that evolved from the study of pattern recognition and computational learning theory in artificial intelligence. It explores the study and construction of algorithms that can learn from and make predictions on data. This faculty development programme (FDP) is devoted to recent developments and research outcomes addressing related theoretical and practical aspects of Machine learning and Image processing techniques. In this FDP, most effective machine learning techniques will be discussed. The participants will gain the 'know-how' needed to apply these well-known techniques to new problems. Various sessions will provide a broad introduction to machine learning and image processing. Application of various learning algorithms will be discussed through case studies and problem solving method.

The programme will be conducted by faculty members from IITs/NITs. Speakers from industry are also expected to deliver a part of the course.

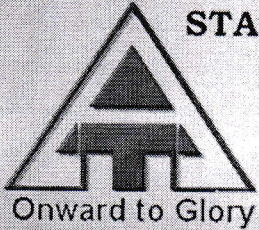
**PEDAGOGICAL TOOLS AND METHODOLOGY**

Inputs will be imparted through:

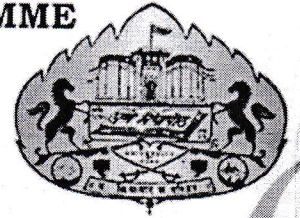
1. Lecture-cum discussion, case studies and simulation exercises.
2. Interaction with experts in machine learning and image processing.
3. Group work and practice sessions.







**STATE LEVEL FACULTY DEVELOPMENT PROGRAMME  
ON  
ADVANCES IN MACHINE LEARNING  
AND  
IMAGE PROCESSING**



**Chief Patron**

Brig.(Dr.) S.K. Lahiri ,(Retd),  
Director, AIT

**Patron**

Dr. B.P. Patil,  
Offg Principal.AIT

**Convener**

Dr. Sangeeta Jadhav,  
Head,Department of IT

**Coordinators**

Dr. Jayadevan R.  
(9881195915)  
Mrs. Sita Yadav  
(9158362868)

**Executive Committee  
Members**

Mr. Rahul Desai  
Mrs. Vaishali Ingale  
Ms. Ashwini T. Sapkal  
Mrs. Geeta Patil  
Mr. G.M. Walunjkar  
Mrs. Savita Mangalore

**Who can Participate?**

The programme is open to teachers and faculty members from universities, science and engineering colleges.

**ABOUT AWES**

Army Welfare Education Society is an Indian Army managed organisation which manages and ensures proper education facilities to Indian Army wards. Established in 1983, the Society has its headquarters at Shankar Vihar Delhi cantonment. Over the years AWES has opened over 128 Army Public Schools and 239 Army Pre-primary schools and 10 institutions of higher education across India.

**ABOUT**

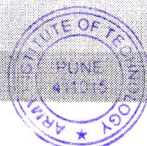
**ARMY INSTITUTE OF TECHNOLOGY**

AIT was founded in 1994, as a result of the vision, and untiring efforts of Gen B.C.Joshi PVSM,AVSM,ADC. The beautiful campus, serene ambience and architectural splendor, state of the art infrastructure, all provide vital ingredients for a delectable academic environment for development of total quality engineers.

**Registration**

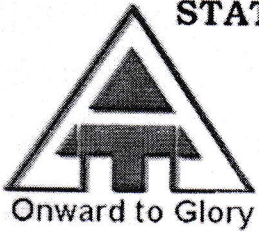
Registration fees of Rs 750/-

Visit [www.aitpune.com](http://www.aitpune.com) for registration and further details

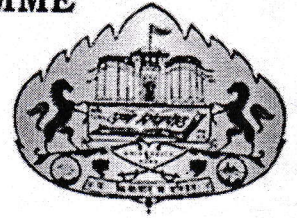


Principal  
Army Institute of Technology  
Dighi Hillis, Pune - 411015





**STATE LEVEL FACULTY DEVELOPMENT PROGRAMME  
ON  
ADVANCES IN MACHINE LEARNING  
AND  
IMAGE PROCESSING**



*REGISTRATION FORM*

1. NAME: \_\_\_\_\_
2. DESIGNATION: \_\_\_\_\_
3. DEPARTMENT: \_\_\_\_\_
4. INSTITUTE: \_\_\_\_\_  
\_\_\_\_\_
5. QUALIFICATION: \_\_\_\_\_  
\_\_\_\_\_
6. ADDRESS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
7. MOBILE NUMBER: \_\_\_\_\_
8. EMAIL-ID: \_\_\_\_\_
9. ACCOMMODATION REQUIRED: YES/NO  
(Provided on per day payment basis.)

AMOUNT: Rs 750/-

DATE:

PLACE:



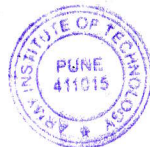
*[Signature]*  
Principal  
Army Institute of Technology  
Dighi Hillis, Pune - 411015




## FDP ON ADVANCES IN MACHINE LEARNING AND IMAGE PROCESSING SCHEDULE

### DAY 1

S#	Time	Session Details	Venue	Topic
1	9.30 AM to 10.00 AM	Registration	Manekshaw Hall	--
2	10.00 AM to 10.15 AM	Inauguration and Welcome Speech	Manekshaw Hall	--
3	10.15 AM to 10.30AM	Tea and Breakfast	Manekshaw Hall	-
4	10.30 AM to 12:30 PM	Session by Dr. R.S.Bichkar , Professor and Dean R&DE, Raisonni College of Engineering and Management, Pune	Manekshaw Hall	Genetic Algorithm and Application of Image Processing
5	12.30 PM to 1.30PM	Lunch	Manekshaw Hall	--
6	1.30 PM to 3.30 PM	Session by Dr. Mani Roja Associate Professor, Electronics & Telecommunication Department, Thadomal shahani engineering College, Mumbai	Manekshaw Hall	Biometric image protection using cryptography
7	3.30 PM to 4.00 PM	Tea and End of Day1	Manekshaw Hall	--



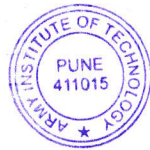
  
Principal  
Army Institute of Technology  
Dighi Hillis, Pune - 411015



## FDP ON ADVANCES IN MACHINE LEARNING AND IMAGE PROCESSING SCHEDULE

### DAY 2

S#	Time	Session Details	Venue	Topic
1	10.15 AM to 10.30 AM	Tea	Manekshaw Hall	-
2	10.30 AM TO 12:30 PM	Session by Dr. Vinay Vaidya , Faculty, Savitribai Phule Pune University, Founder Director VMAS Consultants	Manekshaw Hall	Data Analytics and Modeling
3	12.30 PM to 1.30 PM	Lunch	Manekshaw Hall	--
4	1.30 PM to 3.15 PM	Session by Dr. Priti Rege, Professor, Department of Electronics and Telecommunication Engineering, COEP, Pune.	Manekshaw Hall	Applications of Fourier Transform
5	3.15 PM to 3.30 PM	Tea	Manekshaw Hall	--
6	3.30 to 4.30 PM	Session by Dr. Partha Pratim Roy,IIT Roorkee (Webinar)	Manekshaw Hall	Handwriting and Text Recognition



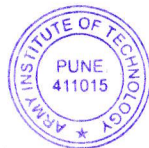
*P.V.*  
Principal  
Army Institute of Technology  
Dighi Hillis, Pune - 411015




**FDP ON ADVANCES IN MACHINE LEARNING AND IMAGE PROCESSING SCHEDULE**

**DAY 3**

S#	Time	Session Details	Venue	Topic
1	10.15 AM to 10.30 AM	Tea	B C Joshi Hall	--
2	10.30 AM to 12.30 PM	Session by Mr. Shashikant Kamathe  Mr. Jaideep Mehendale, Wavelet Group, Pune	B C Joshi Hall	1. Real time Image Processing introduction and discussion on Digital Signal Processor Architecture. 2. Real time Image processing case studies through actual videos and demonstration of Real-time image processing through our hardware setup
3	12.30 PM to 1.30 PM	Lunch	B C Joshi Hall	--
4	1.30 PM to 3.30 PM	Session by Mr. Shashikant Kamathe  Mr. Jaideep Mehendale  Wavelet Group, Pune	B C Joshi Hall	3. Case studies and related discussion on 2D DIP projects by WTPL. 4. Demo on 3D camera and sensor application. Latest trends in DIP through discussion on 3D DIP projects by WTPL.
5	3.30 PM to 3.45 PM	Tea	B C Joshi Hall	--
6	3.45PM to 4.30 PM	Certificate Distribution	B C Joshi Hall	



  
 Principal  
 Army Institute of Technology  
 Dighi Hillis, Pune - 411015



## FDP on Advances in Machine Learning and Image Processing

SITA YADAV <syadav@aitpune.edu.in>

Wed 06/01/2016 18:58

To: IT Faculty <itfaculty@aitpune.edu.in>

Dear Sir/Madam,

We are pleased to inform that Army Institute of Technology is organizing a State Level Faculty Development Programme on "Advances in Machine Learning and Image Processing" under quality improvement program of Savitribai Phule Pune University for the teachers and faculty members of universities, science and engineering colleges. This faculty development programme is devoted to recent developments and research outcomes related theoretical and practical aspects of machine learning and image processing techniques.

The programme will be conducted by faculty members from IITs and industry. Live demo and practical session will be the part of the course.

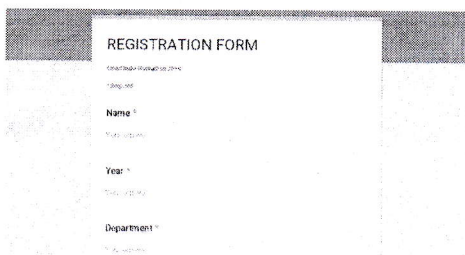
We look forward to receive entries from faculty of your esteemed College/ Institution.

**FDP Date: 08<sup>th</sup> to 10<sup>th</sup> Feb, 2016**

**Registration Fee: Rs 750/-**

Visit [aitpune.com](http://aitpune.com) for registration and further details.

Registration Link : <http://goo.gl/forms/PhRsWcM6hw>



REGISTRATION FORM

Name \*

Year \*

Department \*

## REGISTRATION FORM

goo.gl

FDP On Machine Learning and Image Processing

Coordinator :

Dr. Jayadevan R. (rjayadevan@aitpune.edu.in)

Mrs. Sita Yadav (syadav@aitpune.edu.in)

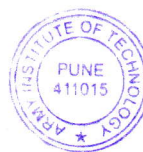
**Thanks and Regards,**

**Ms. SITA YADAV**(Asst. Prof.)

Department of Information Technology

Army Institute of Technology.

Dighi Hills, Pune- 411015, India.



*[Signature]*  
Principal  
Army Institute of Technology  
Dighi Hillis, Pune - 411015



# सावित्रीबाई फुले पुणे विद्यापीठ

(पूर्वीचे पुणे विद्यापीठ)

दूरध्वनी क्रमांक :

०२०-२५६०१२६४

०२०-२५६०१२६५

ई-मेल :- pldvp@unipune.ac.in



गणेशखिंड, पुणे ४११००७  
नियोजन व विकास विभाग

संदर्भ क्र.:साफुपुवि/निववि/१५१६

दिनांक : १६/११/२०१५

प्रति,

मा. प्राचार्य/संचालक,

सर्व संलग्न महाविद्यालये/मान्यताप्राप्त संस्था,

सावित्रीबाई फुले पुणे विद्यापीठ.

विषय — शैक्षणिक वर्ष २०१५-१६ मध्ये महाविद्यालय गुणवत्ता सुधार योजनेअंतर्गत कार्यशाळा/चर्चासत्र/परिषदांचे आयोजन करण्यासाठी अर्थसहाय्य मंजूरीबाबत.

महोदय/महोदया,

महाविद्यालय गुणवत्ता सुधार योजनेअंतर्गत बिगर आदिवासी व आदिवासी विभागातील विद्यापीठ संलग्न महाविद्यालये व मान्यताप्राप्त संस्थांनी राज्य, राष्ट्रीय व आंतरराष्ट्रीय पातळीवरील कार्यशाळा/चर्चासत्र/परिषदांचे आयोजन करण्यासाठी ऑनलाईन पध्दतीने सादर केलेल्या प्रस्तावास गुणवत्ता सुधार योजनेच्या मार्गदर्शकतत्वांनुसार सोबत जोडलेल्या मंजूर यादीप्रमाणे त्रुटीची पूर्तता करण्याच्या अटीवर अर्थसहाय्य मंजूर करण्यात येत आहे.

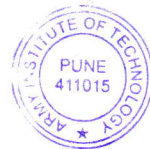
ज्या महाविद्यालये/संस्थांनी All India Survey of Higher Education (AISHE) व Management Information System (MIS) यांची माहिती अद्याप भरलेली नाही, अशा महाविद्यालये/संस्थांनी सादर योजनेअंतर्गत अर्थसहाय्यासाठी सादर केलेल्या प्रस्तावांना उपरोक्त माहिती भरल्याची पोहोच प्रत सादर केल्यानंतरच अर्थसहाय्यास मंजूरी दिली जाईन.

महाविद्यालये/संस्थांनी राज्य, राष्ट्रीय व आंतरराष्ट्रीय पातळीवरील कार्यशाळा, चर्चासत्र व परिषदांचे आयोजन वेगवेगळ्या तारखांना करावे. तसेच एकाच संस्थेच्या महाविद्यालये/संस्थांनी एकाच विषयावर व एकाच तारखेला राज्य, राष्ट्रीय व आंतरराष्ट्रीय पातळीवरील कार्यशाळा/चर्चासत्र/परिषदांचे आयोजन करू नये. याची कृपया नोंद घ्यावी.

कळावे,

सोबत — मंजूर यादी.

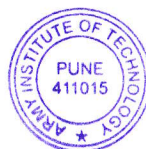
उपकुलसचिव  
नियोजन व विकास



Principal  
Army Institute of Technology  
Dighi Hillis, Pune - 411015



45	499 (SCW151113001) [CEGP011130] Army Institute Of Technology Army Institute of Technology Addr: Army Institute of Technology Ta: Haweli(excluding Corporation Area) Dist: Pune	Advances in Machine Learning and Image Processing	Duration 3 Days Level- State	08/02/2016	10/02/2016	100000.00	100000	Sanctioned subject to submission a copy of Pro-rata Oct. 2015, If above compliance not fulfill, amount will not be release.	Pune
46	510 (SCW151209001) [CEDP012090] Abhinav Education Society Abhinav Education Society's College of Education Addr: Ambegaon Bu , Ta-Haveli, Dist-Pune 411046 Ta: Haweli(excluding Corporation Area) Dist: Pune	LIFE SKILL EDUCATION	Duration 2 Days Level- State	09/01/2016	10/01/2016	155000.00	100000	Sanctioned subject to submission a copy of pro-rata Oct. 2015, If above compliance not fulfill, amount will not be release.	Pune
47	633 (SCW151010001) [CAAP010100] Anekant Education Society Tuljaram Chaturchand College Addr: Baramati Ta: Baramati Dist: Pune	39th Marathi Arthashastra Parishad	Duration 3 Days Level- National	16/11/2015	18/11/2015	310000.00	200000	Sanctioned subject to submission a copy of Pro-rata Oct. 2015, If above compliance not fulfill, amount will not be release.	Pune
48	636 (SCW151433001) [IMMP014330] All India Shri Shivaji Memorial Society All India Shri Shivaji Memorial Society's Institute of Management Addr: Kenedy Road Pune 411001 Ta: Haweli(excluding Corporation Area) Dist: Pune	Knowledge Management- An Interdisciplinary Approach	Duration 2 Days Level- National	21/01/2016	22/01/2016	127500.00	127500	Sanctioned subject to submission a copy of Principal Approval, Annual Report 2014- 15, Affiliation Challan Oct 2015, Pro-rata Oct. 2015, If above compliance not fulfill, amount will not be release.	Pune

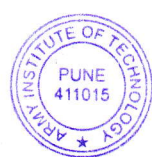


Principal  
Army Institute of Technology  
Dighi Hillis, Pune - 411015





Inauguration of STTP on Advances in Machine Learning and Image Processing



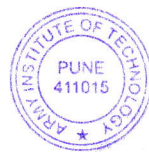
*ptw*  
Principal

Army Institute of Technology  
Dighi Hillis, Pune - 411015



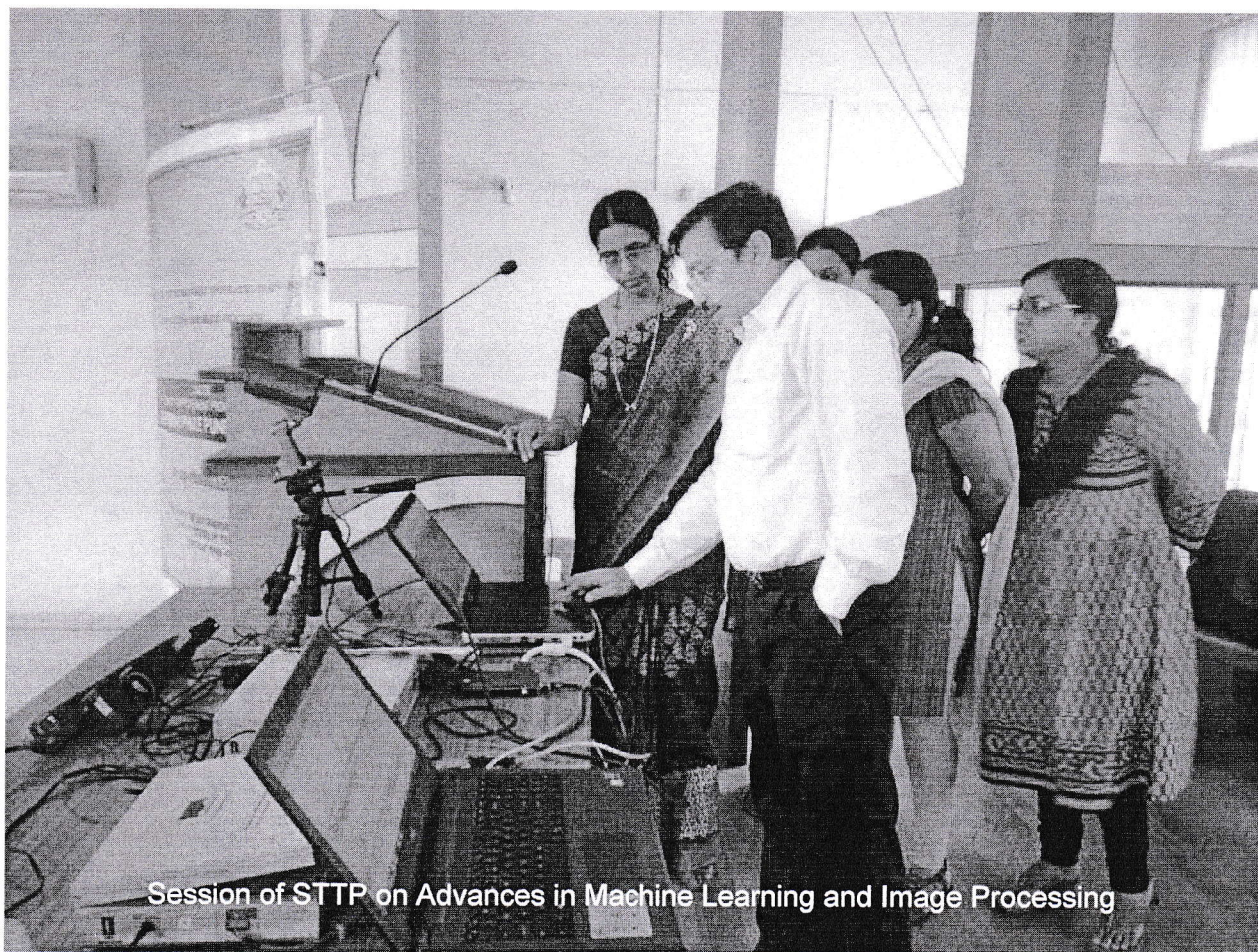


Participants of STTP on Advances in Machine Learning and Image Processing

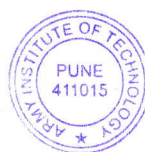


*[Signature]*  
Principal  
Army Institute of Technology  
Dighi Hillis, Pune - 411015





Session of STTP on Advances in Machine Learning and Image Processing



*[Signature]*  
Principal  
Army Institute of Technology  
Dighi Hillis, Pune - 411015



**DEPARTMENT OF INFORMATION TECHNOLOGY**

**CIRCULAR**

Date: 22/01/2016

A guest lecture is organized on Thursday, 28th January 2016 at B.C. Joshi Hall. The details are as follows,

- **Guest Speaker** - **Dr. Nandkumar Bhalchandra Dahibahte**  
Principal Technical Officer Information  
Division (DIRC), CSIR-National Chemical Laboratory
- **Title of Talk** - **“Technical Paper Writing & Plagiarism”**
- **Day and Time** - **Thursday, 28th January 2016, by 11.30 am to 1.00 pm**
- **Audience** - **TE & BE of IT and TE 20 students from each branch.**
- **Venue** - **B.C. Joshi Hall**
- **Time** - **11.30 am to 01.00pm**

All Students are to be seated at the venue 10 minutes prior to the time of the talk.

*S. Jadhav*  
22/1/16.  
(Dr. Mrs. Sangeeta Jadhav)  
HOD IT

Copy to:-  
Director

Jt Director For info please

Principal

HOD Comp

HOD E&TC

HOD Mech

Placement Cell

For information and needful action please.