

(For office use only)

Code No:



Application No:

ANDHRA UNIVERSITY
SCHOOL OF DISTANCE EDUCATION

VISAKHAPATNAM 530 003 :: ANDHRA PRADESH

Phone: 0891-2844142, 2550223, 2575745 Fax No.0891-2575752

Website: www.andhrauniversity.info/sde

Application for Admission into
POST GRADUATE DIPLOMA IN CONDITION MONITORING

Late date for Receipt of Filled-in Application:

1. Full Name of the Candidate		Name		Surname		
In English						
2. Name of the Father / Guardian:						
Occupation & Address of Father / Guardian State Relationship in case of Guardian						
3. Age in years:		Yrs				
Date of Birth in Christian Era		Date :	Month :	Year:		
4. Identification Marks		1.		2.		
5. Personal Particulars / Marital Status (Put <input checked="" type="checkbox"/> Mark in the appropriate box)						
Male : <input type="checkbox"/>		Married : <input type="checkbox"/>		Nationality :		
Female : <input type="checkbox"/>		Single : <input type="checkbox"/>				
6. Are you Employed? (Put <input checked="" type="checkbox"/> Mark in the appropriate box)		Yes : <input type="checkbox"/>		No : <input type="checkbox"/>		
If the Answer to (6) is Yes give the details.						
Name and Address of the Employer:						
Designation		Date of Joining		Total Salary		Total Service
☞ In-Service Candidates have to obtain necessary permission from their organization for pursuing their study. It is the responsibility of the candidates to get the required leave for attending the Contact Classes and the School of Distance Education does not take any responsibility in this regard.						
7. Address for Communication including Phone / Cell Numbers if any:						
(a) Permanent Address			(b) Address for communication			
Mobile and Land No.:			E-mail:			

POST GRADUATE DIPLOMA
in
CONDITION MONITORING
(PGDCM)
PROSPECTUS



SCHOOL OF DISTANCE EDUCATION
ANDHRA UNIVERSITY
VISAKHAPATNAM- 530 003

In Association with

CONDITION MONITORING SOCIETY OF INDIA
(CMSI)
VISAKHAPATNAM- 530 027

From the Director's Desk

I am happy to welcome you to the fraternity of Distance Education. This prospectus covers all important points pertaining to admission into the P.G.Diploma in Condition Monitoring (P.G.D.C.M.) offered by the School of Distance Education, Andhra University, Visakhapatnam from the academic year 2011-12.

You are advised to go through these pages carefully and return the Application Form for Admission duly filled-in within the prescribed date. Keep the Prospectus booklet safe as it contains useful information.

The course is offered in association with Condition Monitoring Society of India with the objective of building competencies in condition monitoring. Admission is open to both working and non-working learners. T.C. and M.C. are not required for admission. Candidates seeking SC/ST Welfare Scholarships need to submit the relevant documents.

Visakhapatnam

N.L. Narasimha Rao
Director

CHAPTER –I

SCHOOL OF DISTANCE EDUCATION : A BRIEF PROFILE

Distance Education is a well tried modern method of Education. Distance Education permits greater flexibility and it is learner-centered. Distance Education is an established modern method of Education. The School of Distance Education of Andhra University (NAAC accredited with 'A') started functioning from 1st July, 1972, with B.A. and B.Com., degree courses with the approval of the University Grants Commission. The School introduced admission under open system into B.A. and B.Com. Degree courses in 1976.

Over a period of time, the School has started a number of courses catering to the needs of different sections of society. Keeping in view the need of working engineers, the School has taken up yet another step of starting Post Graduate Diploma in Condition Monitoring. This course is offered for both working and non-working candidates and is designed with curriculum content which will enhance their working skills in the factories.

As a compensation for missing on campus instruction, the students admitted into these courses receive study material (to supplement the text books and other suggested references) and guidance through contact programme structured by a peer faculty within and outside the university. The contact programme will be organized at selected reputed organizations depending on the need, in addition to Andhra University Engineering college. However, the list of contact centres will depend on the number of candidates registered for the course. Attempts are also in progress to make the study material available on the web for the benefit of the registered students. The goal of the programme being dissemination of quality education to the genuine knowledge seekers, it is decided that the assessment is made through external examination. The School invites well experienced teachers to participate in these personal Contact Programmes besides our academic staff. During these programmes the teachers will give an extensive review of the subjects and clarify the doubts of the students.

GYANVANI :

Gyan Vani, an educational channel run on co-operative principles funded by IGNOU, New Delhi, is operated from April, 2002 onwards, Students can avail this facility on F.M. Channel (104.6MHz) from 6.00a.m. to 10.00 a.m. and 6.00 p.m. to 10.00 p.m. every day. It is available around 100 kms. radius of Visakhapatnam city. Learners can clarify their doubts in the phone-in programme which is broadcast every second and fourth Friday from 7.00 pm to 7.30 pm.

CHAPTER – II

Admissions

Admission Procedure:

2.1 P.G.Diploma in Condition Monitoring (PGDCM)

Medium: English only

2.2 Eligibility Criteria

Candidates who have qualified in BE/B.Tech. in any discipline/ AMIE or as equivalent thereto or / M.Sc.(Applied Physics) or / M.Sc.(Electronics) or M.Sc.(Instrumentation) are only eligible to seek admission.

Course of Study

3.0 Duration of Study and Assessment / Evaluation.

3.1 Duration of Study

The duration of study is One year.

Contact Program for Practical and Theory courses for a period of 12 days will be arranged in two spells.(6 days Theory and 6 days practicals). Details of the Contact Program will be informed after admissions. Attendance at the theory classes is Optional. **However, attendance at Practical classes is compulsory and those who do not attend the Practical classes, will not be allowed to write year-end examinations.**

3.2 Assessment / Evaluation

The performance of the student shall be assessed, through internal and external evaluation as per the University norms. The distribution of marks shall be as follows:

3.3.1. Course of Study: P.G.D.C.M. (Programme structure & Distribution of Marks)

MECHANICAL, PRODUCTION, AIRCRAFT, MARINE ENGINEERING & NAVAL ARCHITECTURE

Subject Code	Subject	Type of Course	Internal Marks	External Marks	Total Marks	Duration of University Examination in Hrs.
CBMT01	Industrial Maintenance and basics of Condition Monitoring	Theory	25	75	100	3
CBMT02	Vibration based Condition Monitoring	Theory	25	75	100	3
CBMT03	Thermography	Theory	25	75	100	3
CBMT04	Oil and Wear Debris analysis	Theory	25	75	100	3
CBMT05	Basics of Signal Processing	Theory	25	75	100	3
CBMT06	Introduction to Instruction Engineering	Theory	25	75	100	3
CBMT07	Vibration Signature Measurement and Analysis	Practical	50	50	100	3
CBMT08	Thermal Imaging, Analysis and Report generation (OR) and Wear Debris Analysis	Practical	50	50	100	3
CBM _ PR	Project	Project	100	100	200	3
Total Marks					1000	

ELECTRICAL AND ELECTRONICS ENGINEERING, INSTRUMENTATION AND ELECTRONICS RELATED BRANCHES

Subject Code	Subject	Type of Course	Internal Marks	External Marks	Total Marks	Duration of University Examination in Hrs.
CBMET01	Industrial Maintenance and basics of Condition Monitoring	Theory	25	75	100	3
CBMET02	Vibration based Condition Monitoring	Theory	25	75	100	3
CBMET03	Thermography	Theory	25	75	100	3
CBMET04	Oil and Wear Debris analysis	Theory	25	75	100	3
CBMET05	Mechanical Vibrations	Theory	25	75	100	3
CBMET06	Fundamentals of Mechanical Engineering	Theory	25	75	100	3
CBMET07	Vibration Signature measurement and analysis	Practical	50	50	100	3
CBMET08	Thermal Imaging, Analysis and Report Generation (OR) Oil and Wear Debris Analysis	Practical	50	50	100	3
CBM_PR	Project	Project	100	100	200	3
Total Marks					1000	

CHAPTER – III

Registration, Fee Structure, Award of the Degree

Registration and Fee Structure:

The students admitted into the PGDCM course through the distance mode shall have to register for all the subjects offered in that year.

Fee Structure:

Fee Structure* : ₹.20,000/- is to be paid at the time of admission.

The Fees is inclusive of Examination fee for the first appearance. However, candidates appearing subsequently have to pay an examination fee of ₹.300/- per Paper subject to a maximum of ₹.600/- for any year of study.

Classification of Successful Candidates:

The names of the successful candidates at the examination of P.G. Diploma shall be arranged in the order in which they are registered for the examination in three classes on the basis of the total marks obtained by each candidate.

First Class with Distinction: Those who obtain 70 per cent and above.

First Class: Those who obtain 60 per cent and above but less than 70 per cent.

Second Class: Those who obtain 50 per cent and above but less than 60 per cent.

Marks Qualifying for a Pass and Class:

Award of Degree :

A candidate shall be deemed to have satisfied the minimum requirement for the award of the PGDCM if

- (1) he/she passes all the subjects (theory and practical included in the scheme) and
- (2) he/she secured 50% marks in the overall aggregate put together of university examinations, of all the subjects of PGDCM course.
- (3) A Candidate shall be declared to have passed in any subject if he/she secures not less than 40% in theory and not less than 50% in laboratory/project courses/viva-voce in the year-end examinations. There is no minimum requirement of internal marks.

The Diploma shall be awarded in Faculty of Mechanical Engineering as “**P.G. Diploma in Condition Monitoring**”

Assessment /Evaluation:

I. Internal Evaluation:

- a. The performance of the student shall be assessed paper-wise, through internal and external evaluation as per the following scheme.
- b. Internal evaluation of the work done by the students during the year is for 25 marks in theory course and 50 marks in each practical.
- c. The marks for the internal evaluation of theory/practical shall be awarded based on class work/assignments/quizzes/viva-voce examination according to a scheme to be notified by the School of Distance Education.
- d. There shall be no provision for the improvement of sessional marks in any theory or practical subject.

II. External Evaluation:

- a. The year-end examinations in each theory course, for a maximum of 75 marks shall be conducted by the University. The duration of all year-end examinations is 3 hours.
- b. The year-end examinations in laboratory for a maximum of 50 marks shall be conducted by the University. In case of viva-voce examinations for project the maximum marks shall be 100. Candidates shall be required to produce complete and certified records of the practical work done by them in each laboratory/project course at the year-end examinations.

CHAPTER – IV

GENERAL INSTRUCTIONS

1. After enrolment, every student will be allotted a Code number, which he/she should invariably mention in all his/her correspondence with the School. Full Code Number including the period of study should be quoted in all the correspondence. Correspondence without code number will not receive attention.
2. The student will be admitted into the School on the assumption that the entries in the Admission application are correct and the student has to fulfill all the requirements as mentioned in the application.
3. The original certificates of the students submitted along with the application form will be returned to the student by Registered post as soon as the admission formalities are over. However, such of the Original certificates, which are required for record of the School will be retained and they will not be returned, until such official requirement is fulfilled.
4. The candidates are required to abide by the rules and regulations that are in force and those that will come into effect from time to time as formulated by the School and/or by the University.
5. Candidates after graduating from the School of Distance Education are eligible for higher studies as in case of regular college students.
6. **Postal address:** All correspondence pertaining to the School of Distance Education must be addressed to -**The Director, School of Distance Education, Andhra University 530 003**. The student is particularly requested to note that the Office of the School of Distance Education is different from the Central Administrative Office, Andhra University, Visakhapatnam.
7. **Mailing of communications:** All communications and reading material will be mailed to the students by Express Parcel Post to the address of the students as per records of the School. The students are advised to make necessary arrangements in their respective delivery post offices at their end to get the delivery of different communications, reading materials from the school properly without delay. It is not possible for the school to owe any responsibility for any postal mishap. However, necessary arrangements may be made to provide another set of reading material / copy of communication, etc. to the students if the issue of non-receipt / postal mishap is brought to our notice in time.
8. **Identity Card :** The Identity Card issued to the candidate will be sufficient for the purpose of identification for the entire period of study in this School. If the Identity Card is lost, a fresh identity card will be issued on payment of ₹.50/- and on production of satisfactory evidence from a responsible person to the effect that the original was lost. However, duplicate Identity Card will be issued during the study period only.
9. **Remittances to the School :** All the remittances to the School of Distance Education should be made through a crossed Demand Draft drawn in favour of the **Registrar, Andhra University** Visakhapatnam, payable at any nationalized Bank payable at Visakhapatnam or by paying cash directly at the Syndicate Bank in the premises of School of Distance Education, Andhra University, Visakhapatnam between 10.00 a.m. and 4.00 p.m. on all working week days and 10.00 a.m. and 1.00 p.m. on Saturdays. The name of the candidate, code number, if already allotted and the purpose of the remittance should be clearly mentioned in the covering letter along with the Demand Draft. The name of the candidate and complete code number is also to be noted on the back of the Demand Draft. **S.B.I. Bank Challans, Cheques, Money Orders and Postal Orders will not be accepted.**
10. **Refund of Fee :**In respect of those candidates whose applications are rejected by the school for any reason, 10 per cent of the tuition fee will be deducted from the fee paid and the balance will be refunded. Candidate who submits application for admission and withdraws on his/her own, will not be entitled for refund.
11. **Information relating to examinations:** Examination applications will be mailed to the candidates who are on rolls by the School. In the case of former students of the School of Distance Education, the examination applications will be supplied on request only.
12. The Code Number of the candidates should be written in the column provided in the examination application form for easy reference. Information relating to the examinations such as last date for receipt of examination fee, etc. will be generally informed by the school. However, students are also advised to see notifications in the press issued by the Director, School of Distance Education, Andhra University relating to such matters.
13. Examination fee once paid will under no circumstances be refunded or held over for subsequent examinations.

14. Issues of Hall Tickets, Marks Statements and Provisional Certificates etc.:

- (i) The candidates have to collect their Hall Tickets from the Chief Superintendent of the examination centre. Issuing of Hall Tickets will begin three days before the commencement of examinations. Hall Tickets will not be mailed to the candidates by post.
- (ii) The School of Distance Education will arrange to dispatch marks statements and provisional certificates etc. to the candidates of the School of Distance Education, who have fulfilled all the requirements as per the existing rules and regulations.
- (iii) If the candidates find any delay in receiving the above, he/she may write to the Director regarding the non-receipt of the same. The letter to the Director should contain all the particulars of examinations such as month, year of appearance, centre, Register No., identification number, etc.
- (iv) The particulars of fee prescribed for the issue of Migration Certificate / Study Certificate are as follows:

a) Migration Certificate	₹.250/-
b) Study certificate	₹.100/-

However candidates who wish to obtain duplicate copies or triplicate copies of the Marks Statement/Provisional Certificate have to pay the following fees:

	For Duplicate Copy	For Triplicate Copy
Marks Statement	₹.200/- (₹.30/- for every belated year)	₹.400/- (₹.30/- for every belated year)
Provisional Certificate	₹.200/-	₹.400/-
Migration Certificate	₹.400/- plus ₹.25/- per every belated year	₹.600/- plus ₹.25/- per every belated year
Study Certificate	₹.100/- plus ₹.25/- per every belated year	

Note: Candidates who wish to obtain the above Certificates have to pay the necessary fee as mentioned above in favour of the **Registrar, Andhra University** and send the same along with a requisition letter to the **Director, School of Distance Education, Andhra University, Visakhapatnam.**

15. Provision for improvement :

Candidates who obtained second class in the PGDCM course may re-appear again for the same examination to improve their class by appearing for the whole examination with the existing regulations. Such reappearances shall be limited to two chances only with in two years after passing the entire examination. However improvement of the performance is strictly restricted to University Examination in the theory subjects only.

16. Award of Degree :

A candidate shall be deemed to have satisfied the minimum requirement for the award of the PGDCM if

- (1) he/she passes all the subjects (theory and practical included in the scheme) and
- (2) he/she secured 50% marks in the overall aggregate put together of university examinations, of all the subjects of PGDCM course.
- (3) A Candidate shall be declared to have passed in any subject if he/she secures not less than 40% in theory and not less than 50% in laboratory/project courses/viva-voce in the year-end examinations. There is no minimum requirement of internal marks.

The Diploma shall be awarded in Faculty of Mechanical Engineering as **“P.G. Diploma in Condition Monitoring”**

17. Assessment /Evaluation :

I. Internal Evaluation:

- e. The performance of the student shall be assessed paper-wise, through internal and external evaluation as per the following scheme.
- f. Internal evaluation of the work done by the students during the year is for 25 marks in theory course and 50 marks in each practical.
- g. The marks for the internal evaluation of theory/practical shall be awarded based on class work/assignments/quizzes/viva-voce examination according to a scheme to be notified by the School of Distance Education.
- h. There shall be no provision for the improvement of sessional marks in any theory or practical subject.

II. External Evaluation:

- c. The year-end examinations in each theory course, for a maximum of 75 marks shall be conducted by the University. The duration of all year-end examinations is 3 hours.
- d. The year-end examinations in laboratory for a maximum of 50 marks shall be conducted by the University. In case of viva-voce examinations for project the maximum marks shall be 100. Candidates shall be required to produce complete and certified records of the practical work done by them in each laboratory/project course at the year-end examinations.

18. Issue of Degree Certificate :

The office of the School of Distance Education will arrange to issue the Degree Certificates to all the candidates of School of Distance Education on payment of prescribed fee as under:

For issue of Degree in advance : ₹.450/- (Upto 4 years from the date of completion of the course)
From 5th year onwards after passing the Exam: ₹.100/- (for each belated year)

Note: The candidate should use the prescribed application form which can be obtained from the office of the School of Distance Education for the issue of Degree in Advance. The payments towards prescribed fee for Degree Certificate is to be remitted in favour of the **Registrar, Andhra University payable at Visakhapatnam** through Demand Draft / SDE Challan. The Candidates have to enclose the Demand Draft / SDE Challan to the prescribed application form for the issue of Degree and send the same to the Director, School of Distance Education, Andhra University, Visakhapatnam

19. Filling of Examination Application Form :

The candidate has to send the duly filled in Application form with the Demand Draft / SDE Challan to The Director, School of Distance Education, Andhra University, Visakhapatnam – 530 003 on or before the last date as specified in the examination notification. The candidate has to carefully go through the instructions given in the Application form before filling. The candidate should note that the application form contains the Hall Ticket also. The signature of the candidate is necessary both in the hall Ticket and the Examination Application Form. Incomplete Application if returned to the candidate due to any objection, the candidate has to resubmit the same directly to the Director, School of Distance Education, Andhra University, Visakhapatnam after complying with the objection that is raised.

20. Particulars of Previous Pass / Appearance :

In case the candidate has already passed / appeared in any part / subjects(s) previously, he /she has to invariably note the previous pass / appearance particulars such as the year of passing, the Register number, the examination center and class obtained in each part, in the relevant columns of the examination application form. However, this will not apply to the candidates who are appearing for the first time. The examination application form will be rejected if the previous pass / appearance particulars are not clearly noted.

21. Transfer Certificate :

The candidates are not required to submit Transfer Certificate and Migration Certificates for admission into any course. Candidates desirous of obtaining T.C. should submit Date of Birth evidence. However SC/ST candidates seeking fee concession under “Post Matric Scholarship Scheme” have to submit T.C from the Institution last studied.

22. Address Slips :

The candidates are required to enclose 3 address slips along with the application for admission. If there is any change in the address, again 3 slips have to be sent to the School along with a covering letter.

23. Any change of address of a candidate should be intimated at least 15 days in advance by Registered Post to ensure prompt receipt of all correspondence from the School. Frequent changes of address cannot be entertained unless the period of stay at any place as per the change of address is for a period of 3 months. If the period is less than that, they have to make their own arrangements for redirecting their correspondence to the correct address.

24. Re-admission Procedure :

Candidates who are in default of payment of tuition fee for more than one full academic year which may result in the completion of the study period can get themselves readmitted for the next academic year by paying the prescribed fees. Such of those candidates who do not get themselves re-admitted shall be deemed to have discontinued only after the completion of the stipulated study period unless the candidate takes the Transfer Certificate from the School of Distance Education on submission of the requisition letter during the stipulated period of study. The Re-admission may be given on the submission of the application in the prescribed proforma after duly paying the following amounts in favour of the Director, School of Distance Education, Andhra University, Waltair.

(i) Readmission Fee: ₹.1000/-

(ii) 1st term tuition fee of the respective year and course as the case may be. The prescribed proforma for re-admission can be obtained from the Office of the School of Distance Education on requisition.

25. Enquiries:

The students can make enquiries regarding courses, examination particulars etc., at the Enquiry Counter of the School of Distance Education and also at the nearest study center of the school.

26. Enquiries will be attended to in the office from 10-00 a.m. to 1-00 p.m. on all working days.

27. The Second Saturday in every month is a holiday to the School. The School observes the State Government holidays.

28. The Students are advised to clear all their doubts of administrative and academic nature during the time of Personal Contact-Programme Classes.

CHAPTER – V

INSTRUCTIONS FOR FILLING THE APPLICATION FORM FOR ADMISSION INTO THE SCHOOL OF DISTANCE EDUCATION

1. The application duly filled in together with all the required enclosures should reach the Director, School of Distance Education, Andhra University, Visakhapatnam – 530 003 by registered post on or before the date notified in the Press.
2. The candidate is required to mention clearly the course of study and year for which he / she is seeking admission into the School of Distance Education.
3. The name of the student as well his / her father / husband should correspond with those that are recorded in his / her matriculation certificate / S.S.L.C. / S.S.C. / H.S. / & M.P.S.L.C. Register.
4. The date of birth of the student should correspond with that as recorded in his / her Matriculation or that of an equivalent examination.
5. The required original certificates are to be enclosed with the application form. The original certificate will be returned to the candidate after the admission is given. One attested copy of each certificate must be enclosed for the record of the school.
6. Application sent without tuition fees will be rejected. Incomplete application will not be processed by the School and they will be rejected.
7. A computer card and Acknowledgement Card is sent along with this application form. The candidate has to fill-in the blank columns such as the course to which the application is sent, address of the candidate etc., and send the same along with the filled-in application form duly affixing the required postal stamps so as to enable the School to acknowledge the receipt of the admission application form.
8. The following certificates in original are to be enclosed along with the application form:
 - a. Degree/Provisional Certificate of the qualifying examination passed: (One attested copy is also to be enclosed along with original certificate)
 - b. Intermediate or equivalent certificate.
 - c. Two copies of recent photographs (passport size of the candidate duly attested by a Gazetted Officer at the lower portion of each photo. One to be affixed to the application and the other to be enclosed).
 - d. Receipt of Payment of fee: (Crossed Demand Draft / S.D.E. Challan.
 - e. Date of Birth Extract.
 - f. University Employees/ retired employees of the university have to enclose service certificate from the Registrar, Andhra University, Waltair if seeking fee concession.
 - g. Identity card is to be enclosed duly signed and photo affixed.
 - h. Three address slips duly filled – in are to be enclosed.

Note: Candidates seeking admission into various courses who have passed the qualifying examinations of other Universities are required to pay the following amounts in addition to the admission fee:

(a)	Recognition Fee	₹.300/-
(b)	Matriculation Fee	₹. 100/-

Name :.....
C/o.....
Address :.....
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Name :.....
C/o.....
Address :.....
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Name :.....
C/o.....
Address :.....
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ANDHRA UNIVERSITY
SCHOOL OF DISTANCE EDUCATION

VISAKHAPATNAM 530 003 :: ANDHRA PRADESH

Phone: 0891-2844142, 2550223, 2575745 Fax No.0891-2575752

Website: www.andhrauniversity.info/sde

Admission Notification – 2011

Andhra University, in association with Condition Monitoring Society of India, offers Post Graduate Diploma in Condition Monitoring through School of Distance Education, Andhra University. Candidates residing in India can apply.

Eligibility	...	BE/B.Tech. in any discipline, AMIE or as equivalent there to, M.Sc. (Applied Physics), M.Sc.(Electronics) and M.Sc.(Instrumentation)
Duration	...	One year
Course fee	...	₹20,000/-
Cost of application	...	₹100/-
Issue of applications	...	06.02.2011
Last date for submission of application: 8th April, 2011		
With a late fee of ₹.200/- the last date : 30th April, 2011		

Applications can be downloaded from our website: www.andhrauniversity.info/sde. Duly filled-in applications are to be sent to the undersigned by enclosing a DD for ₹.20,100/- (course fee inclusive of cost of application) drawn in favour of **Registrar, Andhra University** payable at Visakhapatnam. For course details they can visit our website.

Scheme & Syllabus: The scheme relating to this course and the detailed syllabi for each subject will be given in the prospectus.

No. of Theory Subjects : Six

No. of Practical Exams : Two

Project Work : Minimum period of 3 months at certified Industrial/Research/ Training Institutes.

Theory Subjects : **Compulsory for all branches of Engineering**

1) Industrial Maintenance and basics of Condition Monitoring

2) Vibration based Condition Monitoring

3) Thermography

4) Oil and wear debris analysis

For Electrical & Electronics Engineering, Instrumentation & Electronics related branches

5) Mechanical Vibrations

6) Fundamentals of Mechanical Engineering

For all other branches:

5) Basics of Signal Processing

6) Introduction to Instrumentation Engineering

Practical Examination : 1) Vibration Signature Measurement and Analysis

2) Thermal Imaging, Analysis and Report Generation

OR

Oil and Wear Debris Analysis.

Note : Attendance at Theory classes is Optional. However, attendance at Practical classes is compulsory and those who do not attend the Practical classes, will not be allowed to write year-end examinations.

Visakhapatnam

Dt.03.02.2011

DIRECTOR