Agenda Notes

2012-13: 3rd Meeting *of the* Senate

Venue of the Meeting

Conference Hall, PDPM-IIITDM Jabalpur

Date and Time of the Meeting

April 06, 2013 at 12.30 Hrs

PDPM
Indian Institute of Information Technology, Design and Manufacturing Jabalpur

PDPM

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, DESIGN AND MANUFACTURING JABALPUR

SENATE/2012-13 /3rd MEETING

To be held on April 06, 2013 at 12:30 pm in Conference Hall of the Institute

AGENDA NOTES

Contents

Senate/2012-13/3.01	Confirmation of minutes of the SENATE/2012-13/2nd Meeting of the SENATE held on December 20, 2012

Minutes of the meeting SENATE/2012-13/2nd Meeting of the SENATE held on December 20, 2012 were circulated to the members and also attached as **SENATE/2012-13/3.01/Annexure I.** Some comments/suggestions have been received on the minutes of the meeting. These are:

Dr. Asish Kumar Kundu

I have few suggestions in the minutes for proposal of PhD in NS (Senate/2012-13/2.05).

For point 2: Senate members suggested to discuss this by forming a committee and then decide the number of courses. Also senate members did not discuss anything on number of credits as its mentioned "requirement should be 6 courses (of four credits each)".

Similarly, for point 3: I think there was no discussion on the "Minimum residence requirement should be 6 semesters instead of 4 semesters" in that meeting.

Hence I will request you to amend the above mentioned points.

Dr. Atul Gupta

Kindly include a correction. There is a misprint in the agenda item "Senate/2012-13/2.08 Modification in D & M Proficiency Prizes" as given below

"The numbering of the last subsection of the SPACS manual should be 4.5.5 in place of 4.5.4 (repeated)".

The Senate is requested to confirm the minutes, after considering the comments made by the members.

Senate/2012-13/3.02	Confirmation of minutes of the SENATE/2012-13/Special Meeting of the SENATE held on January 10, 2013

Minutes of the meeting SENATE/2012-13/2nd Meeting of the SENATE held on December 20, 2012 were circulated to the members and also attached as **SENATE/2012-13/3.02/Annexure II.** No comments have been received on the minutes of the meeting. The Senate is requested to confirm the minutes.

Senate/2012-13/3.03	Proposal for Joint M.Tech. Programme (IIITDM Jabalpur and IIITM Gwalior)

IIITDM Jabalpur and IIITM Gwalior are premier Institutes of Technology in the country. Both the Institutes have a common goal of achieving excellence in education both at undergraduate and postgraduate levels. By launching a joint programme, the Institutes would begin their outreach programme by providing quality education to a large section of aspiring young minds from different parts of the country. It will also help the Institutions in sharing the expertise available with them. The joint PG programme is proposed to be initiated with participating students from these Institutes only. Later it is planned to open the programme for other institutions of higher learning. NKN will be utilized for online lectures/contact sessions/virtual labs etc. A brief proposal for the same is attached as **SENATE/2012-13/3.03/Annexure III.**

The Senate is requested to consider the proposal and approve the same.

Senate/2012-13/3.04	Specializations for M.Tech. Programme

At present Institute provides Master's degree in a discipline without any specialization. It has been felt that there should be specializations at the Master's level. Some of the discipline heads are in the process of finalizing the proposals. The same will be placed for discussion during the Senate meeting.

Senate/2012-13/3.05	Proposal for a Dual Degree Programme (Master's + PhD)

PDPM IIITDM Jabalpur seeks the best students to join Postgraduate Programmes, both at the level of Masters and Doctoral levels. Students are trained during their Master's programme to excel in their domains of research. In order to attract the cream of the students graduating with a master's degree from the Institute, it is proposed to introduce a dual degree programme leading to Master + PhD degree. It is proposed to encourage young and bright minds towards pursuing their doctoral degree by introducing a Dual Degree programme (M.Tech./ M.Des. + Ph.D.). This will provide better opportunities to genuinely interested master level students candidates for pursuing their PhD programmes in identified areas of interest.

A proposal for the same is attached as **SENATE/2012-13/3.05/Annexure IV**. The Senate is requested to consider the proposal and approve the same.

Senate/2012-13/3.06	Preparatory Course for reserved category and academically deficient students

Some of the students, who come from various academic and social backgrounds, find it difficult to cope with their studies, resulting in poor academic performance at the end of the first semester of their undergraduate programme. One of the reasons for their poor performance is their weak academic background. Due to insufficient knowledge of fundamental concepts in Mathematics, Physics, Computing etc., they are not able to keep with the pace of studies. In order to help such students is proposed to start preparatory courses for them. A detailed proposal will be placed in the meeting to implement the programme.

Senate/2012-13/3.07	Ph.D. Programme in Natural Sciences

In the 2012-13: 2nd Senate Meeting a proposal for Ph.D. programme in Natural Science was presented.

Senate in principle approved the proposal and requested Dr. Asish Kundu, Head Natural Science to prepare more detailed proposal as per discussions. Senate authorized the Chairperson, Senate to constitute a committee with two or more experts from other institutions including IITs in order to finalize the proposal and curriculum for the Ph.D. programme in Natural Sciences.

A proposal for the same is attached as **SENATE/2012-13/3.07/Annexure V**. The Senate is requested to consider the proposal and approve the same.

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Senate/2012-13/3.08	Request of Ms. Anamika Verma (undergraduate student ECE, Roll No. 2009149) regarding registration in three courses during summer term, 2013 to complete her B. Tech. programme

Ms. Anamika Verma was admitted at the Institute on the orders of Hon'ble High Court of Andhra Pradesh from the second semester, 2009-10. The Senate had not considered including the weightage of courses successfully completed by her at NIT Raipur, due to difference in the course contents. Her academic performance has been satisfactory throughout her programme. However, she has not been able to score ≥ 8.00 CPI to become eligible for taking an overload. Due to this her backlog is continuing. She had requested to allow her register for three courses in the summer term, 2013 to enable her to complete the B. Tech. programme. Her application is attached as **SENATE/2012-13/3.08/Annexure VI**. The Senate is requested to consider her request and approve the same.

Senate/2012-13/3.09	Ratification for approval from Chairperson, Senate

From time to time different approvals are accorded by the Chairperson, Senate. Such approvals are listed in the table. The Senate is requested to ratify the same.

S.No.	Date	Subject
01	07-12-12	Approval for grades of B Tech 2012 (CSE,ECE,ME) batch students for 2012-13 Semester I
02	19-12-12	Approval for grades of M Tech 2010 (CSE,ECE), M.Des 2010, M Tech 2011 (CSE,ECE,ME,MT), M.Des 2011, M. Tech 2012 (CSE,ECE,ME,MT), M.Des 2012 batch students for 2012-13 Semester I
03	19-12-12	Approval for grades of B Tech 2011 (CSE,ECE,ME) batch students for 2012-13 Semester I
04	19-12-12	Approval for grades of B Tech 2010 (CSE,ECE,ME) batch students for 2012-13 Semester I
05	19-12-12	Approval for grades of PhD 2008 (ME), PhD 2009 (CSE,ECE,ME), PhD 2010 (CSE,ME), PhD 2011 (CSE, ECE, ME, Design), PhD 2012 (CSE,ECE,ME) batch students for 2012-13 Semester I
06	21-12-12	Approval for APEC Report of B.Tech., M.Tech., M.Des. and Ph.D. students for 2012-13, Semester I
07	21-12-12	Approval for grades of M.Tech 2010 (ME) Batch Students for 2012-13 Semester I
08	23-01-13	Approval for grades ((Withheld) of B Tech (CSE,ECE,ME) batch students for 2012-13 Semester I
09	05-01-13	Approval for grades of B Tech 2009 (CSE,ECE,ME) batch students for 2012-13 Semester I
10	14-01-13	Permission for registration to students after the date of late registration
11	08-01-13	Consideration of Appeal of terminated students – PG students
12	24-01-13	Approval for conversion of PhD from Sponsored to external category-Abhay Khalatkar , Roll No. 0910361, ME
13	24-01-13	Approval for modified academic calendar for current semester
14	13-02-13	Permission for registration in current semester to PhD Programme - Mr. Santosh Singh Rathore
15	15-02-13	Permission to postpone mid-sem exam for ME 413: Design of Mechanical Systems
16	21-02-13	Approval for change of Guide
17	27-02-13	Constitution of Internship Board (IB) for the session 2013-14
18	05-02-13	Permission to participate in the CCMT
19	08-02-13	Approval for drop of Semester –Rahul Pachauri (1110363, PhD) & Govind Meena (2009033, B Tech)
20	19-03-13	Approval for a new course-EM 594a: Ergonomics in Information Design
21	19-03-13	Approval for a new course-DS 558: Visual Ergonomics

Senate/2012-13/3.10	Any other item with the permission of chair

Following items have also been proposed to be discussed.

Senate/2012-13/3.10.1	Diploma and Certificate Programmes in Japanese Language

It is proposed to start a certificate programme in Japanese language of three months duration and a diploma programme of six months duration. Details will be presented in the meeting itself.

Senate/2012-13/3.10. 2	JRF in Engineering Sciences as eligibility criteria for M.Tech. Admission

It is proposed to add CSIR/UGC Junior Research Fellowship qualified as the eligibility for admission to M.Tech Programme. So, if a candidate has been qualified in UGC/CSIR JRF examination and is not GATE qualified, he/she will also be considered eligible for admission to the M.Tech. programme. The Senate is requested to approve the proposal.

Senate/2012-13/3.10.	Modification in Degree Format to incorporate security features

It is proposed to modify current degree format to incorporate following security features –

S. No	Feature	Detail
1	Bar Code	Barcode of students roll no is pasted on the top of degree
2	Micro Line Printing	A word of phrase e.g. IIITDMJ so small that it appears to be a line or pattern to the naked eye. When magnified, the word appears.
3	Laxmana Rekha	The words "PDPM IIITDM Jabalpur" appear so small that it appears to be a line or pattern to the naked eye. When magnified the word or massage appears in reserve.
4	2D Foil Stamping with Embossing	The Institute's LOGO is printing on the document. It can protect the document very well than holograms because the foil image becomes part and parcel of the paper. So, one cannot peel off.
5	Visible Fluorescent	The color of Degree Certificates is printing in visible ink which changes to another color and fluoresces under a UV light. This feature cannot be scanned or photocopied.

The Senate is requested to approve the proposed new format.

SENATE/2012-13/3.01/Annexure I

Minutes of the SENATE/2012-13/2nd Meeting of the SENATE held on December 20, 2012

PDPM
INDIAN INSTITUTE OF INFORMATION TECHNOLOGY
DESIGN AND MANUFACTURING JABALPUR

MINUTES OF 2012-13/ SENATE/2nd MEETING OF THE SENATE
Held on December 20, 2012 at 11.00 am in the Conference Room of the Institute

Members Present: Prof. Aparajita Ojha (Chairperson)
Prof. Uday Khedkar
Dr. Parag Vyas
Prof. Puneet Tandon
Prof. Tanuja Sehorey
Prof. Vijay Kuamr Gupta
Prof. P. N. Kondekar
Dr. Pritee Khanna
Dr. Atul Gupta
Dr. Sunil Agrawal
Dr. Prashant Kumar Jain
Dr. Dinesh Kumar Vishwakarma
Dr. Asish Kumar Kundu
Dr. Lokendra Kumar Baliyan
Dr. Pavan Kumar Kanakar
Mr. Santosh Kuamr Mahobia (Acting Secretary)

Special Invitees: Dr. Jawar Singh
Dr. Sujoy Mukherjee

Following members expressed their inability to attend the meeting due to their prior commitments.

1. Prof. V. K. Jain
2. Prof. V. M. Gadre
3. Dr. S. Amane
4. Dr. Prabin Kumar Padhy
5. Dr. Prabir Mukhopadhyay

1. For Ph.D. programme in Physics, qualification should be M.Sc./M.Tech. in Physics and not Physical sciences.
2. Minimum courses requirement should be 6 courses (of four credits each) in line with the guidelines followed by IITs.
3. Minimum residence requirement should be 6 semesters instead of 4 semesters.
4. Member opined that course should not be member specific. Course work should include fundamental and advance courses in recent trends. Detail curriculum needs to be designed.

Senate in principle approved the proposal and requested Dr. Asish Kundu, Head Natural Science to prepare more detailed proposal as per discussions. Senate authorized the Chairperson, Senate to constitute a committee with two or more experts from other institutions including IITs in order to finalize the proposal and curriculum for the Ph.D. programme in natural sciences.

Senate/2012-13/2.06	**Modification in Academic Calendar and Period of Examinations**

Following amendments were approved in the Academic Calendar after certain deliberations.

1. Duration of each mid-semester examination will be two hours for each course.
2. Duration of mid-semester examination period will be 6 days (i.e. Monday to Saturday) in every semester.
3. Total duration of a semester will be 18 weeks including mid-semester examination, mid semester recess and end-semester examination.
4. No academic activity will be scheduled on Saturday and Sunday of the last week prior to the end semester examination week.

Senate approved the proposed changes to be implemented from the semester II, 2012-13 starting from January 2013.

Senate/2012-13/2.07	**Modification in UG & PG Manuals**

In order to make UG and PG manual more informative and clear, amendments were suggested by the UGCS and PGCS. Senate discussed various points and approved the following amendments.

Senate/2012-13/2.07.1 Changes in the PG manual

Senate/2012-13/2.07.1a

Eligibility criterion for admission to master's programme is modified to

(i) A minimum of 60 percent marks OR a CPI/CGPA of 6.0 (on the scale of 10.00) shall be required in the qualifying examination (B.Tech./B.Des. or equivalent) as the *specified minimum* for admission in masters programme.

(ii) For admission to masters program under regular category qualifying marks/certificate in GATE/CEED/ (CSIR/UGC JRF/NET) or equivalent examination conducted at national level will be essential The candidate should have valid GATE /CEED /UGC JRF

programme. A Ph.D. student may opt to select a supervisor from the beginning of the Ph.D. programme on the recommendation of RPC. However, a Doctoral (Ph.D.) student may opt to find a supervisor at the end of the first semester, if he/ she so desires. RPC will monitor the progress of the student in such case(s).

Senate/2012-13/2.07.1i

Existing section 4.1.5 of PG manual is modified as

If a student's supervisor proceeds on long leave,resigns/retires or otherwise ceases to be a faculty member of the institute, the supervisor has the responsibility to appoint a co-supervisor or a supervisor in consultation with the student. Nevertheless, in such a case, the supervisor is required to get approval from the Convener PGCS. In this case the number of supervisors may be more than two if an external supervisor already exists. In this case the entire responsibility of the student lies with co-supervisor or the new supervisor, as the case may be.

Senate/2012-13/2.07.1j

New sections to be added in PG manual in section 4.1

i) In exceptional cases, a student may be permitted to change supervisor/ co-supervisor on recommendation of RPC after obtaining the consent of (i) the present supervisor/co-supervisor and (ii) the proposed supervisor/co-supervisor. In such case, if the research programme and/or area of work requires modification, the student's entire course programme requirement shall be examined by RPC and if needed student has to do course work as suggested by RPC. Final approval in such change will be given by the Dean Academic.

ii) At any given time, the number of Ph.D. students working under a faculty should not exceed total load of four. For the load calculation,
   a. If a student is under sole supervision of a faculty, it will be counted as load of one unit
   b. If a student is under supervision of two or more faculty members, it will be counted as load of half (0.5) unit.

iii) At any given time, the number of Masters students working under a faculty should not exceed total load of five. For the load calculation,
   a. If a student is under sole supervision of a faculty, it will be counted as load of one unit
   b. If a student is under supervision of two or more faculty members, it will be counted as load of half (0.5) unit.

iv) In exceptional circumstances, prior approval is required from the Chairperson, Senate with due recommendation giving justification by the Dean Academic.

Senate/2012-13/2.07.1k

Existing section 4.2.2 of PG manual is modified as:

Minimum requirement for completion of post graduate programme:

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Comprehensive Examination

Senate/2012-13/2.07.1o

Existing section 4.8.4 of PG manual is modified as

The Comprehensive Examination Board of a Doctoral student shall consists of

(i) At least three but not more than five faculty members from the discipline of the student including his/her supervisor (s) and

(ii) At least one faculty member from a different discipline.

In consultation with the thesis supervisor(s) the constitution of the Board shall be recommended by the discipline and shall require approval of Convener of the PGCS. The thesis supervisor of the student shall be the Convener of the Comprehensive Examination Board.

Senate/2012-13/2.07.1p

Existing section 4.11.1 of PG manual is modified as

4.11.1.1 For Master's degree, the thesis supervisor(s)/ PGPC shall communicate a list of outside experts through the Convener PGCS for its approval by the Chairman Senate. The thesis will be sent to one of the recommended members as per the order of preference as decided by the Chairman Senate. The selected expert should be the part of the Thesis Defense Board. At the same time, thesis supervisor/ programme coordinator may request for the constitution of the Thesis Defense Board for the approval by Chairman Senate, at least two weeks in advance of the likely date of the Defense Examination

4.11.1.2 The Thesis Defense Board shall comprise of

(i) The thesis supervisor(s)/ programme coordinator of the student;

(ii) At least one faculty member from the discipline of the candidate other than thesis supervisor(s)/ programme coordinator;

(iii) One faculty member of the Institute but not from the discipline of the candidate;

(iv) One expert from outside the Institute but from within the country.

The thesis supervisor/programme coordinator shall act as the Convener of the Thesis Defense Board.

4.11.1.3 The student shall be required to submit

(v) Two hard copies of the Synopsis of approximately 250 words along with a soft copy of the same;

(vi) Unbound copies of the thesis report, one for each examiner of the Thesis Defense Board, in the Academic Section.

The Academic Section shall arrange so that the copies of the thesis reach to the respective members of the Board at least two weeks before the defense of the thesis.

4.11.1.4 After receiving of acceptance of the thesis for defense from all members of the board, the thesis supervisor(s)/ PGPC shall announce the date of the thesis defense after discussion with members of the board and intimate the academic section about the same at least one weeks before the scheduled date.

4.11.1.5 It shall be the responsibility of the Convener, PGCS and the academic section that the name of the external member of the Thesis Evaluation Board is kept confidential till successful evaluation of the thesis of the candidate.

4.11.1.6 The defense of a thesis shall be required to be necessarily conducted within four months from the date of thesis submission. If the concerned student fails to appear for the

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Senate/2012-13/2.07.1t
Existing section 5.6.1 of PG manual is modified as
Postgraduate students may be permitted to proceed outside the Institute on Duty Leave for carrying out field work, library work, experimental work, laboratory work and for other research/academic work permitted by the Dean academic on the recommendation of Supervisor and RPC.

Senate/2012-13/2.07.1u
Existing section 5.6.2 of PG manual is modified as

Postgraduate students may also be permitted to proceed outside the Institute on Duty Leave to attend conferences, seminars, short courses, workshops etc for maximum of 15 days in a year.

Senate/2012-13/2.07.1v
Existing section 5.6.3 of PG manual is modified as
Period for Duty Leave shall normally not exceed 30 days in a semester. However, in exceptional cases if the period of Duty Leave is required to exceed 30 days, permission would require a *prior* approval from the Chairman Senate. Duty leave cannot be combined with vacation leave.

Senate/2012-13/2.07.2
Following two additional sections (Section 8 Degree and Section 9 Amendments) are added to PG manual

8.DEGREE

8.1 A student is deemed to have completed the requirements for award of degree if she/he has

a) met the residence and academic requirements outlined in Sections 4.12,

b) satisfied additional requirements, if any,

c) paid all dues to the Institute and the Halls of Residence, and

d) no case of indiscipline is pending against her/him.

8.2 A student who completes all the graduation requirements specified in Section 8.1 is recommended by the Senate to the Board of Governors (BOG) for the award of the appropriate degree in the ensuing convocation. The degree can be awarded only after the BOG accords its approval.

8.3 Under extremely exceptional circumstances, where gross violation of the graduation requirements is detected at a later stage, the Senate may recommend to the Board of Governors withdrawal of a degree already awarded.

9.AMENDMENTS

Notwithstanding anything contained in this manual, the Senate of the PDPM-Indian Institute of Information Technology, Design & Manufacturing Jabalpur reserves the

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4.5 IIITDM Proficiency Prizes is normally awarded for (i) the best B.Tech. project in the graduating BTech batch and (ii) the best thesis from among the graduating MTech./ MDes./ PhD students in each of the discipline.

4.5.1 IIITDM Proficiency Prizes shall be silver medals to be awarded at the time of Institute's Convocation for (i) the best project in the graduating B Tech batch and (ii) the best thesis from the graduating M Tech/ MDes/ PhD students in each of the disciplines.

4.5.2 Faculty of each discipline shall lay the minimum requirements for the award of Proficiency Prize and shall lay the criteria for short listing the applications received.

4.5.3 In the event of a group being awarded the best project award, each graduating member of the team shall be awarded the prize.

4.5.4 There will be separate prize for the M.Tech. and Ph.D. Prize for Ph.D. will be awarded when there is enough competition i.e. 5 or more Ph.D. degree is awarded in that particular year.

4.5.4 Proficiency Prizes shall be made out of 15 gm silver."

2. Other proposal for change of thesis submission time for the award was not discussed due to the decision taken in the last senate meeting regarding submission of thesis by May 15, every year for the award of the Masters' degree in the convocation of that year.

Senate/2012-13/2.09	Approval of new courses/ modified course contents

The proposed course contents of the following four EMFs were approved by the Senate.

Modifications in the course contents of existing courses proposed by the concerned faculty members were approved by the Senate.

1. MN 201 Materials and Manufacturing Processes
2. ME 204 Manufacturing Technology
3. ME 306 Advanced Manufacturing Processes and Technologies

The Senate also authorized the Chairperson Senate to approve contents of new courses to be run in the Semester II, 2012-13.

Senate/2012-13/2.10	External mentors for PG students

Some of the PG students are visiting premier Institutes of India and abroad for their research work. The faculty of these premier Institutes guides these students. It was proposed that the grades submitted by their external mentors through internal supervisor may be considered as thesis grades in the running semester in which student was under the supervision of external mentor. Senate discussed the matter and approved the same.

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Senate/2012-13/2.12	Any other item with the permission of the chair

Senate approved the proposal of the Institute that "Examination is an essential duty of the faculty and faculty cannot deny the same."

Meeting ended with a vote of thanks to the Chair and all present.

Forwarded for approval please,

04-01-2013

Santosh Mahobia
(Secretary, Senate)

Approved

A Ojha 05-1-2013

Aparajita Ojha,
Chairperson, Senate
Date: January 05, 2013

SENATE/2012-13/3.02/Annexure II

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Minutes of the SENATE/2012-13/Special Meeting of the SENATE held on January 10, 2013

PDPM
INDIAN INSTITUTE OF INFORMATION TECHNOLOGY,
DESIGN AND MANUFACTURING JABALPUR

A special meeting of the Senate was held on January 10, 2013 from 11.00 am in the conference hall of the Institute to consider the appeals of Mr. Abhay Kushwaha and Mr. Saurav Nayan regarding continuation of their B. Tech. programmes.

Following members were present.

1. Prof. Aparajita Ojha, Chairperson
2. Prof. Puneet Tandon
3. Prof. Tanuja Sheorey
4. Prof. Vijay Kumar Gupta
5. Prof. P.N. Kondekar
6. Dr. Pritee Khanna
7. Dr. Atul Gupta
8. Dr. Prabin Kumar Padhy
9. Dr. Prashant Kumar Jain
10. Dr. Asish Kumar Kundu
11. Dr. Dinesh Kumar Vishvakarma
12. Dr. Prabir Mukhopadhyay
13. Dr. Dr. Sunil Agrawal (joined the meeting at 12.00 noon)
14. Dr. Lokendra Kumar Balyan
15. Dr. Pavan Kumar Kankar
16. Shri Santosh Mahobia (Actg. Secretary, Senate)

Special Invitee - Dr. Sujoy Mukharjee was present in the meeting.

Following members expressed their inability to attend the meeting due to their prior commitments.

1. Prof. V.K. Jain
2. Prof. V.M. Gadre
3. Prof. Uday Khedkar
4. Dr. Pagag Vyas
5. Dr. S. Amane

Dr. M. Amarnath, Dr. Ashutosh Shrivastav were absent from the meeting, as they were on leave.

Dean, Academic welcomed all the members of the Senate and briefed the members about the single agenda item.

Senate/2012-13/Special.1	Appeal of Mr. Saurav Nayan and Mr. Abhay Kushwaha

B.Tech. program of Mr. Saurav Nayan and Mr. Abhay Kushwaha were terminated due to their poor academic performance in January 2012 (Vide the Senate meeting SENATE/2011-12/Special Meeting dated January 06, 2012). They challenged the decision of the Senate in the Hon'ble High Court of Madhya Pradesh.

Hon'ble High Court disposed of the writ petition on 13-12-2012 with following directions:

from the two appellants? Dean (Academic) presented a roadmap of expected performance indices for both the appellants for next one year. Based on this, some Senate members suggested considering the appeal and placing them on "Academic Break".

After long deliberations, a majority of the Senate members said that even if there is a slightest possibility that the appellant would be able to complete their B. Tech. programmes, they should be given a second chance. However, they also expressed their concern over the readiness of the appellant to take up the challenge, as the amount of hard work, sincerity and patience expected from them to complete their academic programme is enormous.

Decision: The Senate by majority accepted the appeals of Mr. Saurav Nayan and Mr. Abhay Kushwaha to continue their B. Tech. programme subject to following conditions:

(1) The appellant will be placed on "Academic Break".
(2) They will be required to give an undertaking, that if they fail to acquire the required CPI for continuation of their academic programme at the end of Semester I, 2013 (December 2013), their programmes will be dropped and they will not be entitled to appeal again.
(3) Both the appellants will maintain minimum required attendance in each course, failing which their programme will be liable to be dropped again.
(4) They will not indulge in any other activities that may harm the reputation of the Institute.
(5) Performance of both the appellants will be reviewed after one semester.

Senate also authorized the Chairperson Senate to allow them for late registration. Senate further suggested that the appellants should be properly counseled to cope with various challenges that they have to face to continue their programmes.

The meeting concluded with a vote of thanks to the Chair.

12-01-2013

Santosh Mahobia
Acting Secretary, Senate

13-1-2013

Aparajita Ojha
Chairperson Senate

performance. A student can opt for courses up to the maximum credits of 18 (4 to 5 credits less than normal semester load). It is expected that student will improve his academic performance to get a CPI of 5.0 at the end of academic break.

3. At the end of the academic break, if a student is able to score CPI of 5.0 or more, he will be allowed to continue his programme with the junior batch as a regular student.
4. In case a student is not able to score CPI of 5.0 at the end of the academic break, his programme will be dropped with immediate effect. This will be termed as "Academic Drop".

During deliberations some of the members raised the issue of increasing the maximum duration of undergraduate programme beyond 6 years. After deliberations, the Senate unanimously concluded that the present upper limit of six years be maintained.

After passing the above modifications in rules, the Senate accepted appeals of all 25 undergraduate students by applying the rules mentioned above.

SENATE/2012-13/3.03 Annexure III

Proposal for Joint M.Tech Programme (IIITDM Jabalpur and IIITM Gwalior)

Lab sessions for the software related courses will run at both the Institute through video conference facility.

For lab sessions requiring hardware and other infrastructure, students from one Institute will visit the other Institute for a week before mid-semester and another for one week before end semester to carry out the experiments.

Course instructor will physically visit the other Institute at least two times during the semester to discuss problems/tutorials and other queries of the students

Individual instructor will evaluate the course based on

- Quiz/ assignments,
- course project (optional),
- mid semester exam (a common date to be decided)
- End semester exam (a common date to be decided)

Visit to other Institute

- There will be exchange of students between the Institutes. Students will visit to other Institute for a period of minimum three weeks after the end of second semester. Purpose of this visit to have more interaction between the students and faculty of two Institutes.
- A student can visit other Institute for a period of maximum 16 weeks to carry out experiments and other related work.

Financial Implications

Financial implications to be discussed by two Institute and provisions would be made in the budget for running the programme. It may be thought of that Institute whose student/faculty are visiting the other Institute will bear the cost towards travel, other Institute will arrange for the stay of the students and take care of local hospitality of the faculty.

Other Details

- Initially, PDPM IIITDM Jabalpur will be responsible for coordinating with the Institutes, scheduling the classes, announcement of lectures, tests, etc.
- PDPM IIIT DM Jabalpur will host the webpage of each of the courses, it will be responsible for uploading the schedule, keeping the records of all the slides, video recording, lecture notes etc. – a dedicated server for the purpose.
- There will be one coordinator from each Institute for the coordination of the programme.
- Degree will be awarded jointly by IIITDM Jabalpur and IIITM Gwalior.

SENATE/2012-13/3.05 Annexure IV

Proposal for Dual Degree (Master's + PhD)

32

Proposal for Dual Degree Programme (M.Tech./M.Des. + Ph.D.)

Preamble: PDPM IIITDM Jabalpur seeks to get the best students to join Postgraduate Programmes, both at the level of Masters and Doctoral programmes. Students are trained during their Master's programme towards excelling in their domain of research. It is felt that, it will be productive if the Master's student can continue the work for the award of doctoral degree. It is proposed to encourage young and bright minds towards pursuing their doctoral degree by introducing a Dual Degree programme (M.Tech./M.Des. + Ph.D.). This will help genuinely interested candidates by not having to apply again for the PhD.

Proposed guidelines for the conversion from Masters' Programme to Dual Degree Programme:

1. Towards the end of third/ fourth semester (applicable for this time only) of the Masters' programme (at the time of graduate seminar), promising and motivated students in the Masters' (M.Tech./ M.Des.) Programme can be encouraged to move to a Dual Degree M.Tech./M.Des. + PhD programme in seamless manner – with the concurrence of the proposed Doctoral Supervisor (normally expected to be the same as the Supervisor during the Masters' dissertation, but not mandatory) AND PGPC. A recommendation to this effect would be routed through the proposed Supervisor and PGPC to the PGCS for approval by the Chairperson, Senate. The approval must be ratified in the Senate.
2. At the end of third semester a Masters' student can plan towards constructing a research proposal instead of the final stage dissertation (Masters' Thesis). The interpretation of this is, that the research proposal will replace the Master's thesis. Academically this means that Masters' thesis may or may not have components that could be built into a PhD thesis by additional work – for example, it may primarily describe sophisticated developmental or implementation novelties. A research proposal is an indication of Masters' level dissertation work which clearly indicates potential for Doctoral investigations, through some preliminary efforts in that direction. The research proposal will not be archived by the Institute.
3. A Research Progress Committee (RPC) is constituted immediately on approval of the conversion of programme to Dual Degree, on the recommendation of PGPC and this be approved by Dean Academic.

Only such students who are admitted to the candidacy shall be allowed to submit their Doctoral theses in accordance with the guidelines laid down in section 4.13.2 of PG manual.

12. On successful completion and examination of the Doctoral Thesis, BOTH the degrees – M.Tech./M.Des. AND Ph.D. are awarded to the candidate.
13. Quota consumed in the Dual Degree will be subtracted from the PhD quota in the subsequent academic year. Initially, number of such conversion must be limited to 25% of the regular Ph.D. seats only.
14. Only tried and tested students be admitted to the Dual Degree Programme. There need not be admissions to the Dual Degree Programme if no suitable candidate is found.
15. Initially for few years there will be CONVERSIONS from Masters' Programme. After testing phase there may be admission to this Dual Degree programme, if SENATE decides so.
16. This programme is introduced to encourage meritorious Masters' student to continue into a Ph.D. at IIITDM Jabalpur, without forcing them to forfeit the Master's degree.
17. Even after making the movement from the lone Masters' to the Dual Degree, it would help if there is one quick and clean opportunity to let the student exit in normal course – which has been assured. At the same time, one must ensure that if the student does continue successfully into completion of the Ph.D., there is all to facilitate this.

Exit Option:

In the (hopefully rare) case when a student who moves to the Dual Degree Programme cannot complete the requirements of a Ph.D., an exit with the M.Tech./ M.Des. degree can be earned at any time after fulfilling all the requirements as specified for Masters' Programme. In such cases, candidate has to request to RPC, RPC will carefully examine the candidate's application and send its recommendation to PGCS, outlining the work to be carried out by the candidate for successful completion of Masters' Programme. The same must be approved by PGCS. The candidate exits with lone M.Tech./ M.Des. degree and the Masters' Dissertation must be archived. In future, if such a candidate wishes to pursue his Ph.D. degree, fresh admission to the PhD programme must be sought, whereupon rules as applicable to fresh admissions would apply.

SENATE/2012-13/3.07 Annexure V

Proposal for Ph.D. Programme in Natural Sciences

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A Proposal for Ph.D in Natural Sciences (NS) IIITDM, Jabalpur

The need of interdisciplinary Ph. D programme is expanding the knowledge and applications overlapping different fields of experts. It is obvious learning process cannot be restricted to a limited space. The intellectual growth through liberal education would fulfill the desire of satisfaction qualitatively rather than quantitatively. Research and development is the key to future generation and prosperity of a nation through an academic Institution. Ph. D programme for Natural Sciences (NS) based on the philosophy to looks forward in developing a hub of interdisciplinary research environment. The source of basic science knowledge is the foundation of all other disciplines inventions as well as applications.

NS is an integral part of IIITDM Jabalpur since its inception. The fields of NS, already integrate various other disciplines of the Institute, such as Materials engineering, Nanomaterials, Biomedical Physics, Numerical Analysis & Scientific Computing, Wavelets, Random Networks, Image processing etc. moreover the applications of various science and technology based knowledge emerges out of NS. Having Ph. D programme as an integral part of the PG curriculum it would directly play an important role in growing research and development at IIITDM Jabalpur. Therefore, NS proposes to introduce Ph. D programme in Physics and Mathematics. The programme envisages developing adequate facility in term of literature resources and laboratory to support the new programme.

As per PG manual NS discipline would also like to offer four pre Ph.D courses. We will offer two PG course in each semester out of which one will be core course

NET/GATE. Preference will be given to those with published research work in international journals.

2. For Ph.D programme the student must complete 4 courses (2 core courses and 2 optional) in two semesters. The course distributions will be as follows, in first semester 1 core course and 1 optional course and for second semester 1 core and 1 optional course. In optional course student could select courses from other disciplines with the permission of research supervisor.

Proposed courses:

Electrodynamics

Problem-oriented review of electromagnetism: Coulomb law and electrostatics, Laplace and Poisson equations, uniqueness theorem, boundary-value problems, method of images, dielectrics, steady currents; and magnetostatics, time-varying fields, Maxwell's equations, electromagnetic waves, interaction of electromagnetic waves with matter, partial polarization, Lorentz force, Poynting theorem. gauge transformations and gauge invariance, electromagnetic potentials, wave propagation in conductors and dielectrics, concept of wave guide, Lorentz theory of dispersion, complex refractive index.

References:

- David J. Griffiths "Introduction to Electrodynamics"

Quantum Mechanics

Introduction to quantum theory, Basic quantum mechanics, Operators, Eigen functions and Eigen values, Postulates, measurement and interpretation of quantum mechanics, Schrodinger's equations and applications.
The variation Principle, Simultaneous linear equations, Linear variation functions, Atomic units, The Born-Oppenheimer approximation, Electron spin, The antisymmetry Principle.
Spin and spatial orbitals, Hartree products, Slater determinants, Hartree-Fock approximation, Self-consistent field theory.

References:

- N. Ashcroft and N.D. Mermin, Solid state physics
- C. Kittel, Introduction to solid state physics, 8th ed., John Wiley 2012.
- Colossal Magnetoresistance, Charge Ordering and related properties of manganese oxides: C. N. R. Rao, and B. Raveau (World Scientific: Singapore, 1998).

Nanotechnology for Engineers

Introduction to Nanostructured materials and Why nano world is different?

Properties of Nanostructured materials (or nano-materials) based on mechanical, physical, chemical, optical, magnetic and electrical properties.

Synthesis/fabrication of nano materials (physical and Chemical). Characterization of Nano-materials (X-ray diffraction, Scanning Electron Microscopy, Tunneling Electron Microscopy, Vibrating sample magnetometer, SQUID, Atomic Force Microscopy and Scanning tunneling microscopy).

Idea about Carbon based nano-materials. Development in Plasmonics / Nano photonics and Spintronics (GMR, Spin Valve, and TMR). Current trends in nanoelectronics and Introduction to NEMS.

Carbon based Nanomaterials: Allotropes of carbon, Nature of Carbon Clusters, Discovery of C60, Structure of C60 and its Crystal, Superconductivity in C60, Carbon Nanotubes: Synthesis, Structure, Electrical and Mechanical Properties. Graphene and its properties. Quantum -Wells -Wires and -Dots.

Lab: Nanomaterials characterization techniques

References:

- Introduction to Nanotechnology: Charles P. Poole, Frank J. Owens, Wiley Interscience
- Characterization techniques: D. K. Schroder.
- Mark A. Ratner, Daniel Ratner, "Nanotechnology: A gentle introduction to the next Big Idea", Prentice Hall

Computer Simulation Methods in Physics

Concepts of Theoretical Physics, Molecular properties: Equilibrium geometry, Total energy, Ionization potential, Electron affinity, Electron Probability density, Dipole moments, Atomic charges, Electrostatic potentials, Thermodynamical properties.
Density functional theory: Hoenberg-Kohn theorems, Kohn-Sham Theory, Exchange and correlation energy, Local density approximation, General gradient approximation, Hybrid density functional theory. Molecular properties by density functional theory.
Electron Correlation methods: Brief ideas on Moller-Plesset perturbation theory, Coupled cluster theory and Configuration integral Theory.
Molecular Mechanics: Force field, Bonded and non-bonded interactions, Solvent dielectric models, Energy minimization, Periodic and non-periodic boundary conditions, Constant temperature and pressure dynamics, Basic statistical mechanics.

References:

- Density-Functional Theory of Atoms and Molecules by R.G Parr and W. Yang.
- A Chemist's Guide to Density Functional Theory, W. Koch and M.C. Holthausen.
- Molecular Modeling: Principles and Applications by A.R. Leach.

Biomedical Physics

Thermodynamics of Biological systems, Basic ideas on structures and functions of nucleic acids, proteins and carbohydrates, Biomolecular forces, DNA-Protein interaction, protein folding, Mechanisms of enzyme action and regulation.
DNA & protein modifications by free radicals, oxidative stress & radiation. Disorders in DNA and Proteins, Mutatgenesis, Carcinogenesis and aging.
Chapter-3: Cancer initiation, promotion, & progression, Growth factors, growth factor receptors & signal transduction, Protein misfolding and aggregation, Neurodegenerative disorders, Alzheimer's disease, Parkinson's disease, Prion disease.
Enzymatic DNA repair, Chemical drug design by targeting protein-inhibitor binding, Biomaterials and applications, Molecular nanotechnology, Bio-nanomaterial & applications.

References:

- Lehninger Principles of Biochemistry by D. L. Nelson and M.M. Cox.
- Biochemistry by R.H. Garett, C.M. Grisham.
- The Molecular Biology of Cancer by M. Khan and S. Pelengaris.
- Basic medical Biochemistry by C. Smith, A.D. Marks, M Lieberman.

Advanced Mathematical Methods

Part-I: Applied Linear Algebra:

Inner product spaces, Hilbert spaces, linear functions; Riesz representation theorem and adjoints. Orthogonal projections, orthogonal direct sums, Unitary and orthogonal transformations, complete orthonormal sets and Parseval's identity, Closed subspaces and the projection theorem for Hilbert spaces.

Applications: Direct and iterative methods of solutions of linear equations; Matrices, norms, complete metric spaces and complete normal linear spaces (Banach spaces); Least squares problems (constrained and unconstrained); Eigenvalue problem.

Part-II: Differential Equations:

Introduction to first and second order ODEs, Linear and nonlinear Differential equations and their analytical / numerical solutions; Methods of Frobenius, Taylor, Euler Methods, Runge-Kutta, Multistep Methods and recent advances, convergence and stability. Chebyshev, Legendre and Bessel functions, Function Approximations.

Applications:

Solution of Optimal Control Problem using orthogonal functions; Solution of Functional and delay differential equations; Solution of Time varying systems; Problem of Parameter Identifications; Solution of linear and nonlinear ODE's.

References:

- K. Hoffman and R. Kunze, Linear Algebra, Prentice-Hall (India), (1986).
- Erwin Kreyszic, Advanced Engineering Mathematics.
- G.H. Golub and C.F. Van Loan, Matrix Computations, North Oxford Academic, 1983.
- Brian Bradie, A Friendly Introduction to Numerical Analysis,
- E. Kreyszig, Introductory functional analysis with applications John Wiley, 1978.
- Jain, Iyenger & Jain, Numerical Methods for Scientific Engineering and Computation. New Age International Publishers.

Analysis

Metric space, interior points, open set, limit points, closed set, dense, continuous and uniform continuous functions, sequence, Cauchy sequence, complete metric space, Cantors intersection theorems, Baire's theorem, Compact metric space, sequentially compact, Heine Borel theorem, Finite Intersection property, Balzano Weierestrass property, bounded and totally

References:

- J. Trangenstein, Numerical Solution of Hyperbolic Partial Differential Equations,
- John C. Strikwerda, Finite Difference Schemes and Partial Differential Equations.

Mathematical Statistics

Frequency Distribution, Measure of Central Tendency, Measure of Dispersion, Skewness, and Kurtosis, Curve Fitting, Principle of Least Square, Correlation, Regression,

Probability: Basic Set Operations, Algebra and Sigma algebra, Measurable Space, Measure, Measurable Function, Probability Measure, Random Variable, Function of Random Variable, Probability Mass Function, Probability Density Function, Cumulative Probability Distribution Function, Independent Event, Expectation, Variance, Covariance, Correlation, Conditional Probability Measure, Law of Total Probability, Baye's Formula, Baye's Theorem, Function of Several Variables, Joint and Marginal Distribution Function, Moments, Moments Generating Function, Characteristic Function,

Estimation: Point Estimation, Properties of Estimation: Unbaisedness, Consistency, Sufficiency, Efficiency. Method of Estimation: Method of moments, Maximum Likelihood Estimation. Interval Estimation, Confidence Interval.

Inference: Testing of Hypothesis: Different type of Hypothesis, Acceptance Region, Critical Region, Test function, Type-I and Type-II Errors, Level of Significance, Power of the Test, Uniformly Most Powerful Test , Neyman-Person's Lemma.

Sampling and Large Sample Tests: Sampling Methods: Simple Random Sampling with replacement and without replacement. Stratified Sampling, Systematic sampling.

Large Sampling Tests: z-test, Test of Significance for single mean, Test of Significance for Differences of Means, Test of Significance for Differences of Standard Deviation.

Exact Sampling Tests: Chi-Square Distribution, Chi-Square test for goodness of fit, Student's t– Distribution, t–test for single mean, t–test for difference of means, Paired t–test for difference of means, F-distribution, F–test for equality of population variance.

References:

- Probability and Statistics In Engineering ----W.W.Hines, D.C. Montgomery, D.M. Goldman, C.M.Borror.
- An Introduction to Probability and Statistics --- V. K. Rohatgi, Saleh

SENATE/2012-13/3.08 Annexure VI

Request of Ms. Anamika Verma (undergraduate student Electronics and Communication Engineering, Roll No. 2009149) regarding registration in three courses during summer term, 2013 to complete her B. Tech. programme

4254
25-2-13

Dean (A)

To,
Director
PD IIIT DM
Jabalpur [MP]

(1) To be placed in the Senate for consideration
(2) May also be discussed in the UGCS for any possible comments / recommendation
AGupta 27-2-2013

Subject : Request for subject exemption and summer courses for completion degree in Jul 2013

Respected Madam,

I (Anamika Verma), a final year student, was admitted in 2nd sem in Jan 2010 in PDIIITDM, whereas I had already completed 1st sem in NIT Raipur.

Since admission in PD IIIT DM, Jabalpur in 2nd sem, I have been performing very well. I completed 2nd to 7th sem with "No Backlogs" and passed with good marks.

Even I have passed 1st sem (IIITDM) subjects again, which are enlisted below -

(1) English (3) Engineering drawing
(2) LabCourse (IT workshop) (4) Maths I
(5) Fundamental of computing (6) Electrical Engineering

2038
21/02/13

But below 3 subject are remaining for completion of degree.

(1) physics I (2) Digital Electronics (3) Manufacturing

I need to complete my degree in Jul 2013 as, It is hindering my Job prospects. Otherwise I will be 1 year delayed for "No good reason".

Being a "Special transfer case", Kindly permit to take 3 courses in Summer 2013 or exempt "physics" (passed in NIT Raipur). So that I will be able to fi

12

50

दूरभाष / Tele : 0542 - 2501985 (सोमवार से शनिवार - 0800 बजे से 1330 बजे तक)(Monday to Saturday -0800h to 1330h)
एक्सचेंज नं / Exchange No: 0542-2503853 & 2501470 (1330 बजे से आगे तक) 1330hrs onwards)
फैक्स / FAX : 0542-2502036

4 वायु सेना चयन बोर्ड
4 Air Force Selection Board
वाराणसी कैंट - 221 002
Varanasi Cantt – 221 002

4AFSB/1001/2/AFCAT AUG 12/PS

01 February 13

CODENO: 687
NAME: ANAMIKA VERMA
BATCH NO: V-AFCAT(W)/93
REPORTING DATE: 25 FEB 13
REPORTING TIME: 0645 AM

<u>CALL LETTER FOR AFCAT AUG 12</u>

प्रिय अभ्यर्थी / **Dear Candidate,**

1 उपरोक्त AFCAT के लिए आपके आवेदन पत्र के संदर्भ में ।

Please refer your application for the above mentioned AFCAT.

2 [illegible]

You are required to report for selection for SSB at <u>VARANASI JUNCTION RAILWAY STATION at 0645 Hrs (Morning) on 25 Feburary 13.</u> A representative of this board in Air Force uniform will receive you at the **Cantt Side exit**, under the overhead bridge, **near platform No. 9** and will escort you to this Board.

3 [illegible]

You must bring with you the following documents <u>IN ORIGINAL</u> along with two (02) photo copies of the same

(क) [illegible]

(a) Matriculation (10^{th}) passing certificate and marks sheet in original issued by the State/Central Board of Secondary Education/ University as a <u>**proof of Date of Birth.**</u> **(Other documents such as Admit Cards/Transfer Certificates/School Leaving Certificate etc are Not (R) Not admissible).**

(ख) [illegible]

(b) Intermediate (12^{th}) passing certificate and marks sheet. (For Candidates applying for Flying Branch)

(ग) [illegible]

(c) **All marks sheets semester/year wise** and Original Degree or Provisional Certificate issued by the University only. If original marks sheets not received, then bring internet copies duly attested by college Dean/ Principal/ Registrar. **(Provisional Certificate issued by the college is not admissible)**

(घ) [illegible]

(d) **Photo Identity Card** of your valid College ID/ Driving License/Passport or Voter Identity Card/ PAN card as a proof of identity. **You are also to bring a visible photo copy of Photo Identity Card.**

(ङ) AFCAT AUG-2012 परीक्षा प्रवेश पत्र मूल प्रति ।

(e) **AFCAT AUG-2012 Exam Admit Card in Original**

(च) [illegible]

(f) **Inbound Railway Tickets/Bus Tickets.** (For payment of Traveling Allowances)

(छ) 25 रंगीन फोटोग्राफ ।

(g) **25 coloured photographs.**

NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR (C.G.) 492 010

Bachelor of Technology (Four Year Degree Course)

FIRST SEMESTER EXAMINATION NOV - DEC 2009

MARK SHEET

CSVTU SCHEME

NAME: ANAMIKA VERMA
FATHER'S NAME: TEJ PRAKASH VERMA
MOTHER'S NAME: USHA VERMA

BRANCH: COMPUTER SCIENCE & ENGINEERING

ROLL NO.: 09115011
ENROLLMENT NO.: 081497

SUBJECT	E.S.E. MARKS		C.T. MARKS		T.A. MARKS		TOTAL MARKS		GRADE	GRADE POINT	CREDITS EARNED
	MAX	OBT	MAX	OBT	MAX	OBT	MAX	OBT			
Applied Maths-I	80	43	20	5	20	12	120	60	C+	6	5
Engineering Graphics	80	41	20	4	20	17	120	62	C+	6	2
Environmental & Ecology	80	53	20	0	20	12	120	65	C+	6	4
Applied Physics-II	80	54	20	0	20	16	120	70	B	7	4
Basic Mechanical Engineering	80	35	20	11	20	17	120	63	C+	6	5
Basic Civil Engineering	80	60	20	17	20	18	120	95	A	9	4
Applied Physics-II (Lab)	40	39			20	15	60	54	A+	10	1
Basic Civil Engineering (Lab)	40	36			20	18	60	54	A+	10	1
Engineering Graphics (Lab)	40	34			20	17	60	51	A	9	2
Introduction To Computing (Lab)	40	34			20	16	60	50	A	9	3
Group Discussion					40	29	40	29	B	7	1

CUMULATIVE PERFORMANCE

MAXIMUM MARKS	OBTAINED MARKS	DIVISION	CPI
1000	659	First	7.25

TOTAL: 1000 659

MARKS IN WORDS: SIX HUNDRED FIFTY-NINE

RESULT: PASS

SPI: 7.25 CREDITS EARNED:32

ABBREVIATIONS

*	Reappearance
G	Grace
ABS	Absent
ESE	End Semester Exam
CT	Class Test
TA	Teacher Assessment
SPI	Semester Performance Index
CPI	Cumulative Performance Index
F	Indicates failure in the Subject(s)

Prepared By | Checked By | Date: 07-Apr-2010 | Controller of Examination | DEAN (Academics)