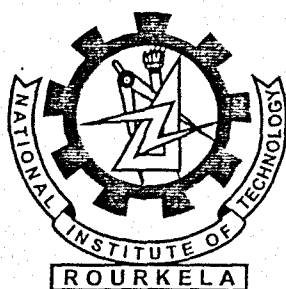


Minutes of Ninth Meeting of the Board of Governors



**National Institute of Technology
Rourkela – 769 008 (Orissa)**

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**National Institute of Technology
Rourkela – 769 008 (Orissa)**

**Minutes of the 9th meeting of Board of Governors of National
Institute of Technology, Rourkela held at Hyatt Regency Hotel, New
Delhi on 07.02.2006 (Tuesday) at 11.00 AM.**

Dr. B Panda, Chairman, Board of Governors chaired the meeting. The following members attended the meeting.

Members Present:

- | | | | |
|----|---|-----|--|
| 1. | Dr. Bansidhar Panda
Board Of Governors,
NIT Rourkela | ... | Chairman |
| 2. | Dr. G.L. Jambhulkar,
Dy. Educational Adviser,
MHRD, New Delhi
(Dept. of secondary & higher education),
Shastri Bhawan, New Delhi – 110 001. | ... | Representative of
MHRD {In place-
of Jt. Secy (T)} |
| 3. | Mr. B.K. Ray
Desk Officer (Finance)
MHRD, Govt. of India,
(Dept. of secondary & higher education),
Shastri Bhawan,
New Delhi – 110 001. | ... | Representative of
FA, MHRD |
| 4. | Father, E. Abraham
Director, XIM
Bhubaneswar | ... | Member |
| 5. | Dr. (Mrs.) Renu Batra
Joint Secretary, UGC
New Delhi | ... | Member |
| 6. | Dr. K.Madhu Murthy
Adviser (Admn.), AICTE
I.G. Sports Complex
New Delhi | ... | Member |
| 7. | Shri N. R. Mohanty
Ex-Chairman, HAL
Apartment No 302, SCION Court
1 st Cross, Kaggadas Pura,
C.V. Raman Nagar P.O. Bangalore | ... | Member |

8.	Prof. Satyananda Acharya Ex-VC, Utkal University Director, IMFA Ltd., Bhubaneswar	...	Member
9.	Prof. G. S.Rath Professor, NIT Rourkela	...	Member
10.	Prof. K.R. Patel Mechanical Engineering NIT Rourkela	...	Member
11.	Prof. Sunil Kr Sarangi Director, NIT Rourkela	...	Member & Secretary
12.	Mr. S.K. Upadhyay Registrar, NIT Rourkela	...	Special Invitee

Members who could not attend the meeting:

1.	Prof. D. Acharya Chairman, AICTE, New Delhi.	...	Member
2.	Dr. Sanak Mishra Ex-MD, RSP, Rourkela	...	Member
3.	Prof. P.K.J. Mohapatra Professor, Industrial Engg. & Management IIT Kharagpur	...	Member

Leave of absence was approved for the three members



A. GENERAL AND PROCEDURAL MATTERS

BOG – 9(2005) – 1: Welcome to Prof. G. S. Rath, Professor of Electronics and Communication Engineering as new member to the Board by the Chairman.

Welcome to all the members and invitees to the meeting by the Chairman.

Chairman welcomed all the members including new member Prof G S Rath. The services rendered by the outgoing members Prof B K Rath, Director and Prof G Panda, Professor of Electronics & Communication Engineering as members of the BOG were appreciated.

BOG – 9(2005) – 2: Confirmation of the minutes of the 8th Meeting of the BOG.

The minutes of the 8th Meeting were sent to the members vide letter No. NITRKL/PS.5 (iii)/2005 dated October 24th, 2005 inviting comments on the correctness of the recording.

a) Comments have been received from Prof. P.K.J.Mohapatra, Professor, Department of Industrial Engineering & Management, IIT, Kharagpur, vide letter dated 02.11.2005.

The proposal given by Prof P K J Mohapatra was accepted. According to him the nominee by the Board and the Senate will be subject experts in each area. It was decided that Director will put up a list of experts for the approval of Chairman. Board authorized the Chairman to nominate the experts on behalf of the BOG.

b) Comments have been received from MHRD for amendment in the minutes of the 7th Meeting of FC held on 7th October 2005 on Item no. FC-7 (2005) – 8, vide letter no. F.48-15/2003-IFD, dated November 25th, 2005, which has been approved by BOG.

If the Board permits, the necessary corrections will be incorporated in the Minutes of the 8th BOG Meeting and 7th FC Meeting and the same may be confirmed.

The Board approved the proposal by MHRD. It was decided that the 4 (Four) posts of Accountants will be created against the surrendered posts and will be filled up through open advertisement on regular basis in the pay scale of Rs 5000-8000.



BOG – 9 (2005) – 3: To report on the action taken on the decisions made in the 6th Meeting of the BOG held on 28th January 2005, 7th Meeting of BOG held on 25th May 2005 and 8th Meeting of BOG held on 7th October 2005 and to discuss matters arising out of the minutes.

(a) Item BOG-8 (2005) – 3 : Date of appointment as Assistant Professor under CAS for Prof. D. R. K. Parhi and Prof. M. K. Mishra.

The Selection Committee for CAS met during December 21-31, 2003 and the Board accepted its recommendations in its 4th meeting held on February 15, 2004. Because the effective date of the earlier promotion could not be worked out in the absence of a guideline from MHRD, the cases of Prof. Parhi and Prof. Mishra were deferred. In its 5th meeting of the BOG held on August 12, 2004, vide item BOG – 5 (2004) – 5, the Board resolved that the selection be made as per advice of the Ministry and reported to the BOG. 4 cases were sent to the Ministry; the ministry gave a guideline which was discussed in the 6th Meeting of BOG held on January 28, 2005 and the appointment of Prof. Parhi and Prof. Mishra were cleared vide item no. BOG – 6 (2005) – 3. Finally the 8th Meeting of the BOG held on October 7, 2005 directed that Dr. Mishra and Dr. Parhi be given appointment with effect from 01.07.2004, with financial benefits from 28.01.2005, the date of the 6th Meeting.

It may be observed that the Board accepted the recommendations of the Selection Committee in its 4th meeting held in February 2004 but waited for the guidelines from MHRD till January 2005. Therefore as per MHRD's order no. F.20-18/2003-TS-III dated March 4, 2004, and Board resolution BOG – 5 (2004) – 5 their promotion should be with effect from the date of the 4th meeting, i.e., February 15, 2004, along with all financial benefits. The protocol to make all CAS promotions from July 1 was not in vogue at the time of selection, but is accepted now. Only for the purpose of future CAS, the effective date shall be July 1, 2003 for Prof. Parhi and July 1, 2004 for Prof. M. K. Mishra. The Board may approve these dates in supercession of item BOG – 8 (2005) – 3(ii).

The Board approved the effective date of promotion (for CAS purpose only) of Dr.D.R.K. Parhi and Dr.M.K.Mishra under CAS w.e.f. 1.7.2003 and 1.7.2004 respectively. The actual date of appointment as Assistant Professor and financial benefits will be given from date of acceptance of the recommendation of the Selection Committee i.e., 15th February 2004.

For future promotions all effort will be made to see that the formalities of selection are completed and the orders issued before first July.

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(b) Item BOG – 8 (2005) – 4 : Disciplinary Committee Report on cyber misuse

Two students, Sri J Anand and Sri P. Abinandhan were suspended for one year for misuse of cyber facility in the Institute. The parents of the two students have appealed for reconsideration on grounds of mercy. The parents of the affected girl student have made no appeal; it is presumed that they trust the Institute to give justice to their child. The Board may reconsider the subject in view of the appeal by the parents.

The Board considered the cases of Sri J. Anand and Sri P. Abinandhan and it was decided not to change the punishment awarded by the disciplinary committee.

(c) Item BOG – 8 (2005) – 6 and FC – 6 (2005) – 7 :

Reimbursement of telephone (Residence and mobile) charges

The Board considered the FC decision and approved that the rate of reimbursement of residential telephone charges including mobile phones to the Deans, Registrar, Chief Warden, Professor (Training & Placement) will be at the rate of Rs 750.00 per month (inclusive of rental & service tax) against the production of bills twice in a year.

(d) Item BOG – 8 (2005) – 6 and FC – 6 (2005) - 3 Re: Conversion of CPF to pension scheme or vice versa

As per decision of the Board, the Registrar sought advice of MHRD on such conversion. The MHRD has advised to follow the Government circular of 2002.

Board decided that, "The position on the date of conversion from REC to NIT i.e., 26th June 2002 should be maintained. Any change of status implemented after 26.06.2002 should be reversed".

(e) Item BOG-6 (2005) – 7 : Action on the strike by Class-III and Class-IV employees during November 2004.

The Director was advised to implement the Board decision.

BOG – 9 (2005) – 4: To record the Director's Report on the affairs of the Institute since last BOG Meeting i.e., 8th BOG Meeting held on 7th October 2005.

Director presented the various activities of the Institute in the last three months. It was suggested that the matters relating to Training and Placement, details of ongoing projects, appointments, promotions, retirements, publications etc. should also be reported.

Annexure – 1

BOG – 9 (2005) – 5: To record the minutes of the 4th Meeting of the Building and Works Committee held on 7th December 2005.

The Minutes of the 4th meeting of the BWC held on 7th December 2005 was noted.

Annexure – 2

B. POLICY AND IMPORTANT ADMINISTRATIVE MATTERS

BOG – 9 (2005) – 6: 3rd Convocation 2006 held on 28th January 2006 and policy for future convocations.

The Board was informed that the 3rd Convocation was held on 28th January 2006. Professor C. S. Jha, formerly Director, IIT Kharagpur and Technical Advisor to MHRD was the Chief Guest. The list of degree awardees was approved by the Board.

Considering the employment pattern of most graduates, it was felt that the convocation should be held on a fixed day of the year, and should be known to everyone well in advance. It was decided to hold the convocation on the **THIRD SATURDAY OF DECEMBER** every year.

It was further decided that the Senate would recommend a panel of ten reputed scientists, technologists, entrepreneurs or persons who have made a significant impact on the industrial, scientific or cultural life of the country latest by June 30.

The list will be presented to the Chairman for consideration. The formal letter of invitation will be issued by Chairman.

Annexure – 3

BOG – 9 (2005) – 7: Rotation of Headship

The REC Board introduced the system of rotation of headship vide its resolutions of 43rd, 47th and 79th meetings held on 13th May 1975, 13th September 1976 and 29th October 1990 respectively. Some of the key features of the system are:

- a. There will be rotation of Headship once every two years on the basis of seniority only.
- b. He will be a permanent staff member of the department.
- c. He will have a minimum of 8 years of teaching and research experience out of which a minimum of 4 years must be at this Institution.
- d. Professors on merit promotion scheme, who enjoy the privileges of regular appointments in Pay, Allowances, Quarters allotment are also eligible for Headship by rotation.

- e. The change by rotation will be effective from July each session.
- f. The rotation of Headship is applicable only to departments with more than one Professor. In departments with zero or one Professor, there is no rotation of headship.

The Board considered the above proposal and decided as follows:

- i. Heads of Departments will be appointed by rotation, the tenure being three years, instead of the present practice of two years. The tenure can be extended on year to year basis if it is felt to be necessary by the Director.
- ii. In departments with three or more willing professors, rotation will be limited to the professors only. In departments with zero, one of the two willing professors, the rotation shall extend down to Assistant Professors. If the member is still less than three, it will include the whole faculty.
- iii. Ordinarily, the change of headship will be effective from July 1. If due to resignation, retirement, long leave or some other reason, there is a need for change in the middle of the year, a caretaker head may be appointed till June 30. There is no bar against his getting a full tenure of three years on completion of his term as caretaker HOD.
- iv. Ordinarily, the rotation of headship shall be on the basis of seniority (on the basis of actual appointment including financial benefits) in the grade of Professor, Assistant Professor or Lecturer. Direct recruitment, merit promotion or CAS promotion shall have no bearing on seniority. Under special circumstances, the Director may choose a Head, who is not the senior most faculty member, if he feels it will serve the interest of the Department. He will consult the full faculty before making such an appointment.
- v. Under exceptional circumstances, when the Director feels it to be prudent, he may appoint a HOD from another department, in consultation with the Deans. Such appointment shall not exceed one year.
- vi. In case of existing HODs who are appointed for a period of 2 years, the Director may, at his discretion, extend their tenure to 3 years.



BOG – 9 (2005) – 8: Organisational Structure / Duties and Responsibilities.

The Organizational structure, Duties and Responsibilities of various posts in the Institute have been presented for information of the Board. The Board may consider and approve the same.

The organizational structure, duties and responsibilities of various posts of the Institute was considered and approved with minor changes. The revised organization structure is given in Annexure - 4.

Annexure – 4

BOG – 9 (2005) – 9: Standardization of designation of staff members and pay scales.

- a) A rationalized designation, qualifications and pay structure, and selection procedure of all non-faculty positions is presented for consideration of the Board.
- b) The existing positions may be mapped to the new positions according to job function and qualifications. A scheme for such mapping is presented.
- c) The promotions under ACP given in March 2004 are to be reversed to come in conformity with the revised designation and pay scales. The Board is requested to approve reversal of the promotions given and fresh promotions as per GOI rules.
- d) Merger of 50% of DA with pay as per Central Government guidelines including payment of arrears from 01.04.2004 may be approved.
- e) The deduction from pay, wherever applicable, by virtue of the penalty imposed by the Board vide resolution no. BOG – 6 (2005) – 7 may be made from the arrear to be paid under item (d).

The Board approved the rationalized pay scale, qualifications, pay structure and new designations with some modifications, as given in Annexure 5. ACP promotions given in March 2004 or later will be reversed in all cases, and fresh ACP promotions will be given to deserving employees after rationalisation of pay scales in accordance with Central Government rules. Merger of 50% DA with pay as per Central Government guidelines including payment of arrears was approved w.e.f. 01.4.2004. Those who have been promoted through Departmental Promotional Committee after 01.4.2004, their rationalization of pay scale and merger of 50% DA with basic pay will be done w.e.f. 1.8.2004. Pay fixation shall be made, considering all the above provisions. Any excess payment made during the intervening period will not be recovered.

The Jr. Assistants who have availed 15 years time bound career advancement scheme of Govt. of Orissa, and whose scale has been fixed at Rs.4500 – 7000/-, will have an option to retain the scale or go to the standard scale of Rs. 4000 – 6000/-. If they opt for the normal scale of Rs.4000 – 6000/-, they will be allowed ACP –II in the new

scale of Rs.5000 – 8000/- after 24 years from the beginning of their service as Jr. Assistant or equivalent.

Existing employees will be given scale associated with their posts.

If the salary drawn on 01.04.2004 exceeds the top of the scale plus three stagnation increments, then he will be given the next higher scale.

Jr. Steno will be allowed to retain the existing pay scale Rs.4500 – 7000/- as special scale for incumbents or to opt for the normal entry scale of Rs. 4000 – 6000/-. If they opt for the latter, they will be entitled to ACP-I to the Rs. 5000 – 8000/- scale on completion of 12 years from the beginning of service as Jr. Steno.

Clarifications, if any, will be discussed in the next Board meeting.

Annexure – 5

BOG – 9 (2005) – 10: Vision 2020 and Master Plan.

A brief outline of the future plan of the Institute including a preliminary master plan prepared by M/s M.N.Dastur & Co. is presented. A plan for capital construction for the next 6 years (up to end of 11th five year plan) will be placed on the table. The BOG may approve these plans for implementation and for seeking funds from the Government.

The Board appreciated the proposal of Vision 2020 and master plan. A comprehensive document will be prepared and submitted in the next BOG meeting.

Annexure – 6

BOG – 9 (2005) – 11: Policy regarding approval of leave including foreign travel on personal leave.

The Institute does not have a clean policy on the approving authority when a person travels abroad purely for personal work such as visiting relatives or tourism. In the meeting of NIT Directors with Joint Secretary (Tech.), MHRD it was discussed and noted that, while any visit abroad on academic or administrative work must be approved by Chairman BOG irrespective of the source of fund, purely private visits need not be approved by the Chairman. The employee, however, must inform his purpose, address abroad and seek approval of leave from Director in advance.

The Board may give a clear guideline on the subject.

The Board approved that purely private visits need not be approved by the Chairman. The employee, however, must inform his purpose, address abroad and seek approval of leave from Director in advance.



BOG – 9 (2005) – 12: Proposal for recruitment of Technical Staff and Accountants.

There is a shortage of qualified technical staff in the Institute. A summary of the manpower requirement, availability and need is given in the annexure, and the Ministry has been informed. There is also a shortage of accounting personnel and the Finance Committee has approved recruitment of 4 Accountants. The Board of Governors is requested to approve immediate recruitment of 24 technical staff and 4 Accountants by following the procedure approved by the Ministry and the BOG.

The Deputy Registrar (F&A) appointed on contract basis has resigned because he has been offered a regular post of Deputy Registrar by a University. This loss shall seriously hamper financial administration.

BOG is requested to approve appointment of 2 Deputy Registrars, 3 Assistant Registrars, 3 Assistant Librarians and 2 Sports Officer in UGC scale which is 12000-18300/- for Deputy Registrar, 8000-13500/- for Assistant Registrar, 8000-13500 for Assistant Librarian and 8000-13500 for Assistant Director of Sports. The qualifications should be as per UGC norms.

It may be noted that the REC accepted UGC scales in May 2000. Being a college at that time, it implemented relevant qualifications and scales for colleges; being converted to a deemed university, the decision implies that relevant qualifications and salaries for universities shall be implemented today.

If these steps are not taken immediately we face the risk of de-recognition by UGC as deemed university and court case by the students who are deprived of the service of qualified personnel. In a market hungry for qualified and experienced staff, our Institute will lose trained officers to more serious institutions, if we continue to appoint officers on contract.

The Board approved the recruitment of the following posts through open newspaper advertisement:

- 1) 21 nos. of Technical Posts. (13 TA + 3 LA + 5 Mechanics)
- 2) 04 nos. of Accountants
- 3) 03 nos. of Library Information Assistants.
- 4) 01 no. of Finance Officer in the scale of Rs.12,000 – 18,300/- .
- 5) 01 Assistant Security Officer in the Scale of Rs. 6500–10,500/-

While the 28 posts under SI Nos 1-3 are in lieu of the group C and D posts abolished, those under item 4 and 5 are in lieu of those of COE (Scale of pay Rs. 12,000 – 18,300/-) and Chief Draftsman (Rs. 6500 – 10,500/-) which stand abolished. The advertisement will be made in accordance with the new pay structure and qualification as approved by the Board.

BOG – 9 (2005) – 13: Proposal for Faculty Recruitment.

- (a) As per decision of the BOG, faculty positions have been advertised. A copy of the advertisement is presented as annexure for information and approval of the Board.

Annexure – 7

- (b) A suggested list of subject experts will be placed on the table for approval of BOG as BOG nominees in various selection Committees. The Board is requested to approve the list with additions/deletions as it thinks fit.

Annexure – 8

- (c) Because of reasons beyond any one's control, such as natural or man-made calamities, it is often impossible for an expert to reach the venue of the selection committee in time. It may be necessary to nominate subject experts to avoid hardship to candidates. The Director may be permitted to nominate experts from IITs and Universities (serving or retired professors with at least 5 years' standing as Professor) with concurrence of Chairman, BOG or a BOG member designated by him.
- (d) As per MHRD guidelines, the HOD is a member of the selection committee. In some departments the HOD is an Assistant Professor or Lecturer. It is suggested that in such cases he/she will not be included in the Committee for a post higher than his/her own. One of the Deans may be nominated by the Director to participate in his place.
- (e) In addition to open posts, there shall be interviewed for CAS. The Institute may be permitted to follow the same qualifications and experience criteria that were used in earlier CAS, along with the clarifications issued by Ministry of HRD. Specifically, the Board is informed that Assistant Professors without a Ph. D. degree but possessing 8 years' experience as Assistant Professor will be eligible for consideration for the post of Professor under CAS.
- (f) Faculty members of educational institutions are often issued pre-dated appointment and promotions. For the sake of uniformity among employees of all institutions, it is proposed that for open positions, experience shall be counted from the date of actually joining a post on receiving an appointment letter; National appointments will not be counted towards experience on a job.
- (g) The advertisement states for new faculty that (i) for the post of Professor the candidate should have at least 5 years experience at Assistant Professor level; and (ii) for meritorious candidates all experience requirements may be relaxed.

It is found from record that many serving Assistant Professors, promoted in 2002, did not get an opportunity for proving their worth during the period 1998-2002. So, even if many of them, if not all, would have qualified to be promoted, their promotion was delayed. It is proposed that for Assistant Professors of NIT Rourkela, the experience of 3 years of Assistant Professor be accepted instead of 5 years, along with total experience of 10 years and other criteria of merit as stated in the advertisement. It may be noted for the purpose of comparison that IITs need only 3 years service as Assistant Professor for the post of Associate Professor, which is equivalent to NIT's Professor post. [16400 -22400 per month].

The proposals (a) to (d) and (f) were discussed and approved by the Board. The advertisement put up in website and given in annexure – 7 was approved by the Board. The list of experts given in Annexure – 8 was approved. Item (e) was deferred to the next meeting of the Board. Item (g) was not accepted by the Board. It was decided that the process as per advertisement should be followed.

C. ACADEMIC MATTERS

BOG – 9 (2005) – 14: Proposal for increase in intake capacity in B.Tech. programmes in Chemical Engineering, Civil engineering and Metallurgical and Materials Engineering

The Senate in its 9th meeting held on January 4th, 2006 has recommended increase in student strength in the B.Tech. programmes of Civil, Chemical and Metallurgical & Materials Engineering from 30 to 60. The Board is requested to approve the proposal. The Institute will seek permission of MHRD and AICTE before implementation of the enhancement.

The Board approved the increase in student strength in the B.Tech. programs in Civil, Chemical and Met. & Mat. Engg. from 30 to 60. The Director will seek the permission from MHRD and AICTE before implementation of the enhancement.

BOG – 9 (2005) – 15: Revised Academic Regulations

The academic regulations (B.Tech., M.Sc., M.Tech., M.Tech.(Res), Ph.D., D.Sc. and Post-doctoral fellowships) have been revised and presented for approval of the Board. The Senate's recommendation shall be placed on the table.

The revised academic regulations was approved for B.Tech., M.Sc., and Ph.D. only. Other regulations will be put up in the next BOG meeting

Annexure – 9

BOG – 9 (2005) – 16: Regulation regarding award of degree.

Students of a batch complete their courses at different times. The normal time of completion of a course is at the end of the Spring Semester. But some students, who fail in one or more exams, often complete the programme in the supplementary exam (June) or in a later semester. It is proposed that all students who complete their programs in Autumn, Spring or Supplementary of a particular session will be deemed to have graduated in the same session and shall be awarded degrees in the same convocation.

Deferred to the next meeting.

BOG – 9 (2005) – 17: Discontinuation of the MCA programme.

The MCA (Master of Computer Application) programme was started in REC Rourkela in 1984 when a good number of bright students were pursuing B.Sc. and were available to the MCA programme. Today, with large number of private engineering colleges throughout the country, there is a short supply of students to the MCA programme. With increase in B.Tech. strength from 30 to 60, the department is under serious resource constraint in terms of faculty, laboratories and class rooms. It is felt that the resources of the department will be better utilised if the MCA programme is discontinued. The department has already changed the name from "Department of Computer Science Engineering and Applications" to "Department of Computer Science and Engineering".

The recommendation of the Senate is placed on the table for consideration of the Board.

2006-10-Senate-02: Status of MCA programme vide 8th Senate resolution No.2005-08-Senate: 11.

The Senate deliberated on the position of the MCA programme of the Institute. The following points emerged out of the discussion.

(a) The MCA programme was conceived in mid eighties to meet the demand for application programmers. Today, with enormous growth of engineering education in the country, most software firms are preferring B. Tech. Degree holders to MCA degree holders.

(b) As a consequence, there is a serious gap between the employment prospects of the two streams. While all B. Tech. (Computer Science) students get full placement within the first week of the placement season, 25% those with MCA remain unplaced even after the end of the year.

(c) The increase in engineering seats across the country, particularly in eastern India has led to serve erosion of intake standards to B.Sc. courses. So the intrinsic quality of the input to MCA class is far below that of the B. Tech. Courses.

(d) As a consequence of low enrolment in B.Sc. classes, there is severe shortage of candidates for the MCA class.

(e) The operation of the two streams: MCA and B. Tech. in the same department, and the low strength of faculty, has forced the department to compromise on course content of both, thus lowering the reputation of our B. Tech. (Computer Science) programme.

(f) Existence of the MCA programme has diluted the strong technical identification of the department. The "Computer Science and Engineering" department has only two faculty members with B. Tech. Degrees. It will be difficult to attract faculty with B. Tech. background unless such mixed identity is corrected.

(g) The department, in appreciation of these difficulties, has systematically proceeded to rationalize its structure. Among the steps taken are (a) renaming of the department to "Computer Science and Engineering" from "Computer Science, Engineering and Applications", (b) increasing B Tech. admission from 30 to 60, and (c) strengthening the M. Tech. & Ph.D. programmes. The suggestions from the department have been approved by BOG and implemented.

In view of these observations, the Senate resolved to recommend to the BOG to (a) discontinue MCA programme with effect from academic year 2006-2007 and (b) to strengthen the B. Tech., M. Tech., M. Tech.(Res) and Ph.D. programmes of the Department of Computer Science and Engineering.

The Board deliberated on the proposal to discontinue the MCA program. It was decided that MCA program may be continued as a self financed scheme, if viable. The details will be worked out by the Director in consultation with Dean(AA) and Head, CSE Department. If the self financed programme does not attract enough number of students, thus making the programme non-viable, it may be discontinued.

BOG – 9 (2005) – 18: Review of Fee Structure for the Ph. D. programme.

The tuition fee for QIP scholars (Rs.10,000/- per semester) seems to be a high and often research scholars find it difficult to pay and request for waiver. Under such circumstances it is proposed to reduce it to Rs.2500/- per semester and make it uniform for all categories of research scholars. Further with a view to encouraging research activities in this Institute and to give a better scope of research to the students of socially weaker sections, it is proposed that a complete waiver of tuition fees be given to the SC/ST students which is in line with the guidelines of Ministry of HRD. This facility should also be extended to other



category of students for a period of 5 years with effect from January 2006.

Deferred to the next meeting.

BOG – 9 (2005) – 19: Creation of 20 positions of Research Scholars for the Ph.D. programme.

In the meeting of the Directors of the NITs held at MHRD, Shastri Bhawan, New Delhi it was decided that every NIT will create 20 positions of Research Scholars, giving fellowship at the standard rate approved by MHRD. The decision has been circulated to all NITs by the Ministry. The Board is requested to approve creation of the 20 scholarships. The method of distribution of the scholarships among various departments will be decided by the Senate.

Deferred to the next meeting.

D. ROUTINE ADMINISTRATIVE MATTERS

BOG – 9 (2005) – 20: SRICCE Administration.

- a) The Sponsored Research Industrial Consultancy and Continuing Education Centre is generating revenue from Institute service charge on projects. The earning is deposited in SRICCE fund. It is proposed that this fund can be utilized for
 - (i) promoting SRICCE activities through support to faculty and departments for preparation of project proposals,
 - (ii) supporting travel for purpose of attracting projects
 - (iii) miscellaneous administrative expenses for promoting and maintaining SRICCE activities
 - (iv) supporting projects where funds are awaited.
- b) The SRICCE fund will be allowed to accumulate to Rs. 20 Lakhs. When it exceeds that value, the full sum minus Rs. 10 Lakhs will be transferred to the Institute Development Fund.
- c) There are a few MHRD sponsored projects that are very old and records with sponsors are closed. There are small balances left. If the Board permits such positive and negative balances will be transferred to SRICCE fund and the individual project accounts closed in the interest of clarity of accounting.

Deferred to the next meeting.



BOG – 9 (2005) – 21: To consider the effective date of regularisation of service and scale of pay of Mr. Satyajit Sarangi and Mrs. Anusuya Panda.

Sri Satyajit Sarangi and Mrs. Anasuya Panda were selected as Junior Assistants against formal advertisement in 1999. As per prevailing practice of that time, they were offered temporary assignments on selection. The Board of Governors vide resolution No. BOG-6 (2005)-9 dated 28.01.2005 decided to regularize their service and appointment Orders were issued to Shri Satyajit Sarangi and Mrs Anasuya panda on 12.05.2005 vide letter no NITR/Estt/3885 on an initial pay of Rs. 3050/- per month in the scale of Rs. 3050-75-3950-80-4590/- w. e. f. 28.01.2005. They joined on 12.05.2005. Mr.Sarangi and Ms. Panda have requested to re-consider their scale of pay to be fixed in the scale of Rs. 4000-100-6000/- prevailing in the Institute today. The following observations may be considered:

1. Sri Sarangi and Mrs. Panda were selected at a time when the salary of the Jr. Assistant was in Rs. 1200-30-15-EB-40-2040/- scale that was subsequently revised to the Rs. 4000-100-6000/- scale.
2. The directive of MHRD dated 05.01.06 regarding rationalized scale of pay for the employees of NIT, Rourkela is yet to be accepted by the BOG and implemented in our Institute. In the above situation putting Mr. Sarangi and Mrs Panda in the scale of Rs. 3050-4590/- which is one step below the scale what they applied for and selected may open the way for future litigation and place the Institution in an indefensible position. Even the directive of 05.01.2006 provides for the scale Rs. 4000-100-6000/- to existing Junior Assistants.
3. Board has given its directives to regularize their services but has not yet been specified about the salaries to be offered to them. The present scale may be seen only as a provisional step by the administration.

In view of the above observations, the Board is requested to fix the scale of pay of Sri Sarangi and Mrs. Panda with effect from 28.01.2005, at Rs. 4000 -100 - 6000/-which is same as that of Junior Assistants. There shall be no financial liabilities on the Institute for services rendered before that date, for which they have been paid as temporary workers.

It was decided that Sri S. Sarangi and Mrs. A. Panda will be given scale of Jr. Assistant Rs. 3200 – 4900/- w.e.f. 28.01.2005.



BOG – 9 (2005) – 22: Proposal for creating a FORUM FOR INTERACTION BETWEEN NIT AND THE CITIZENS OF ROURKELA.

As major educational institution, NIT has a moral responsibility to assist, the community in technical matters. Typical examples of cooperation are study of water supply system, computerization of municipal administration etc.

The Institute needs the support of the community to maintain security and peace on campus. In the absence of good communication between the institute and the community, there are rumours in the community, which can prove dangerous in future.

To alleviate such problems, it is proposed to create a forum for interaction with the community. Elected representatives, Government officials, doctors, advocates, members of chamber of commerce and alumni will be invited to discuss matters of mutual interest with Deans, HODs, and senior faculty members. BOG is requested to approve the proposal.

Deferred to the next meeting.

BOG – 9 (2005) – 23: Proposal for opening a technical apprenticeship programme in the Institute.

It is proposed to initiate an apprenticeship programme to serve two purposes.

- (a) to train young men and women in technical subjects, and
- (b) to alleviate the shortage of technical manpower in the Institute. It is proposed to initiate an apprenticeship programme with the following details:
 - (i) Incoming students will have B. Sc., Diploma Engg. Or B. Com with some computer application training.
 - (ii) Only students who have obtained degree or diploma within past two years will be eligible.
 - (iii) The apprenticeship will, on satisfactory performance, can be renewed for second year. Under no circumstances, it can be extended beyond 2 years. Even after a break, a second tenure will not be given.
 - (iv) Students, who will be engaged on some useful job for the institute, will be given a stipend of Rs.4000 per month.
 - (v) On completion of at least one year's apprenticeship, the students will be given certificate signed by Dean (SRICCE).
 - (vi) This apprenticeship shall have no relationship, positive or negative, with regular posts of the institute.

The Institute can train 30 such apprentices in various departments at present. The scheme is submitted to BOG for approval.

Deferred to the next meeting.

BOG – 9 (2005) – 24: Proposal for security arrangement on campus:

The Institute has received a note from the Ministry to enhance security on campus, in view of the recent incidents at IISc. Campus. The subject has been reviewed in house, and the following steps need to be implemented.

- (a) Completion of the compound wall, which is opposed by some local people who have encroached on campus land with support from eminent political figures.
 - (b) Restriction on free access to the campus from outside, particularly on the use of campus roads as thoroughfare. This step is opposed by local people with the support of political leaders.
 - (c) Removal of encroachment from the NIT premises, for which the State Government must be requested.
 - (d) Relocation of Bank (SBI), Post Office, PWD Office, PHD office and WESCO office from the interior of the campus to the periphery with access from outside.
1. Board decided that Assistant Security Officer in the Scale of Rs.6500 – 10000/- will be through open newspaper advertisement.
 2. The thoroughfare inside the Campus should be completely stopped.

BOG – 9 (2005) – 25: Announcement under the Right to Information Act.

- (a) The Right to Information Act came into vogue in October 2005 and, as a public body, the Institute is required to put up all relevant papers for public information. A draft brochure to be put up as Institute's website is placed for approval of BOG.
- (b) Protection of documents.

It has come to the attention of the Administration that papers are stolen from administrative and financial files. While all these papers are available on request as per procedure set in the RTI act, some papers have been discovered outside the Institute without going through this process. The people in possession of these stolen documents are important persons of the society, and will certainly protect the persons

responsible for stealing documents from NIT offices. The Board is requested to advise on steps to be taken to investigate (or otherwise) these cases of document theft.

The proposal for implementation of the Information Act was approved. This will be circulated and displayed in the Institute Website after necessary corrections.

Annexure – 10

BOG – 9 (2005) – 26: Construction of kutcha road skirting the campus.

The Board of Governors, in its 6th meeting, authorized the Administration to construct a Kutcha road skirting the campus in order to divert the undesirable traffic, and approved a grant of Rs. 4 Lakhs, which was subsequently raised to Rs. 5,65,510.00 in the 7th Meeting. The work done has been completed and the final expenditure stands at Rs. 6,64,968.00, which is Rs. 99,458.00 more than the sanctioned budget. The enhancement in expenditure was caused by a proposal to build a wider and stronger road to encourage voluntary usage by the villagers. The BOG is requested to approve the additional expenditure of Rs. 99,458.00.

The additional amount of Rs.99,458.00 was approved.

E. REPORTING ITEMS FOR INFORMATION OF THE BOARD

BOG – 9 (2005) – 27: New Purchase and contract procedure as per GFR 2005.

As per the decision of the Board vide resolution no. BOG – 8(2005) -13, Mr. R.K.Singh, a retired Sr. Audit Officer of AG Audit, Orissa has been assigned the responsibility for preparing the new purchase procedure as per GFR 2005. It is expected that the draft will be prepared by February 2006. This is for the Board's information and guidance. The rules, when ready, will be placed before BOG for approval.

BOG – 9 (2005) – 28: Short-term contract to 24 temporary workers.

The Board of Governors vide its resolution No. BOG-7 (2005) -5 had permitted contractual appointment to 24 workers with graduate degree, diploma(Engg.) or ITI certificates till December31, 2005. Because new posts are yet to be advertised, and the persons have been assured one chance of formal selection they have been given short-term contract of 3 months. This is for the information of the Board.

It was decided that the above 24 employees on contract will be given an opportunity for competing for the new posts, through fair test and interview which will be advertised soon. They will be given extension till the completion of the selection process after 31.03.2006.



BOG – 9 (2005) – 29: Overseas Training of Institute personnel.

By virtue of the authority vested in him by the MOA, the Chairman has been pleased to approve foreign visit on training, conferences or other academic pursuit of the following staff members:

Sl No	Name Designation Department	Place of foreign training	Type of Leave	Duration		Source of funds
				From	To	
1.	Dr.(Mrs.)Susmita Mishra Sr.Lecturer, Chemical Engg.	Southern Illinois University, USA	E.O.L.	01.02.06	31.01.07	Host University
2.	Dr. B. K. Pal Asst.Professor Mining Engineering	Beniff, Alberta, Canada	On duty	31.10.05	03.11.05	TEQIP
3.	Dr. S. Meher Asst. Professor, ECE	Kuala Lumpur, Malaysia	On duty	01.12.05	03.12.05	TEQIP
4.	Dr. B. Majhi Asst. Professor, CSE	Kuala Lumpur, Malaysia	On duty	01.12.05	03.12.05	TEQIP
5.	Dr. R. K. Patel Sr.Lecturer, Chemistry	Singapore	On duty	08.12.05	10.12.05	TEQIP
6.	Dr. S. K. Sahu Asst.Professor, CE	University of Southampton, U.K	On duty	17.07.06	19.07.06	TEQIP
7.	Dr. J. K. Satpathy Professor, EE	Texas A&M University Texas	On duty	16.11.05	30.11.05	TEQIP
8.	Dr. K. B. Mohanty Assistant Professor, EE	Texas A&M University Texas	On duty	16.11.05	30.11.05	TEQIP
9.	Dr. S. K. Patra Assistant Professor, ECE	University of Auckland, New Zealand	On duty	11.11.05	25.11.05	TEQIP
10.	Dr. A. K. Satapathy Assistant Professor, ME	Univ. of Birmingham, U.K.	On duty	16.11.05	30.11.05	TEQIP
11.	Dr. D. R. K Parhi Assistant Professor, ME	Carnegie Mellon University USA	On duty	07.11.05	21.11.05	TEQIP
12.	Dr .S. K. Acharya, Assistant Professor, Mechanical Engineering	Institute of Material Science TU, Clausthal, Clausthal-Zellerfeld, Germany	On duty	04.11.05	18.11.05	TEQIP
13.	Dr. G. Panda Professor, ECE	Multimedia Univ. Selangor, Malaysia	On duty	23.11.05	25.11.05	TEQIP
14.	Dr. G. Panda Professor, ECE	Singapore	On duty	29.11.05	02.12.05	TEQIP

The matter is reported for information of the Board.

F. MISCELLANEOUS ITEMS

BOG – 9 (2005) – 30: Fixing dates for the BOG Meetings to be held in 2006.

It is proposed that the dates for quarterly BOG meetings in the year 2006 may be fixed by giving sufficient notice to the members to ensure their availability.

It was decided that the date of next meeting of Board will be decided in every Board Meeting. The 10th Meeting of BOG will be held on 6th May, 2006 at NIT Rourkela tentatively.

BOG – 9 (2005) – 31: Any other item with kind permission of the chair.

1) TA rules under TEQIP Cell

The TA rules of TEQIP approved vide BOG – 8(2005) – 14 state that the period of training should be limited to 15 days including journey period. This provision is creating practical difficulties for faculty members whose travel time is high due to lack of connecting flights. The following is proposed under this provision.

“ Per diem at international rate (US 75 dollars per day) is admissible for journey outside India, but limited to a maximum period of 15 days, of which at least 10 days should be spent on actual training. TA/DA at national rate will be permissible for the segment of the journey spent within India”.

The above proposal was approved.

2) **Formation of Selection Committee for DPC and recruitment.**

The Board approved the following list of experts for the Selection Committee for Group – A and Group-B, C & D posts for the recruitment and promotion of non-teaching staff.

1. The following will be the constitution of selection committees for non-faculty Group A posts:

- | | |
|--|----------|
| i. Director | Chairman |
| ii. Nominee of Central Government | Member |
| iii. Two experts approved by BOG,
or Chairman on its behalf | Members |
| iv. Registrar(except for post of Registrar) | Member |

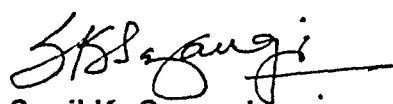
- Central Government Nominee:
Group A posts: Deputy Educational Advisor (NIT)

2. As per Memorandum of Association in case of non-teaching posts and scientific staff below the scale of the post of lecturer, the Selection Committee shall consist of:

- | | |
|---|----------|
| i. Director | Chairman |
| ii. One nominee of Central Government | Member |
| iii. Two experts as nominees of the Board | Members |
| iv. Registrar | Member |

- Central Government Nominee:
Group B, C, D posts: Desk Officer (TS-III)
- Board Nominees for Group B, C, and D posts:
 - (i) Mr. J. Samanta, Sr. Dy General Manager, L & T
(Commercial & Administration)
 - (ii) Mr. R.S.Singh, Manager, L & T
(Personnel & Indl. Relations)
 - (iii) Mr. Pradip Ray, Dy. General Manager
Coal Chemicals (Operation), CH, RSP
 - (iv) Mr. Umakanta Mishra, Dy. General Manager
Hot Strip Mill (Electrical), EE, RSP
 - (v) Mr. M Ravi Verma, Dy. General Manager
Electronics & Electrical Services, ECE, RSP
 - (vi) Mr. Santosh Kumar Nayak, Dy. General Manager
General Administration, Personnel Dept, RSP
 - (vii) Mr. C Muthuswamy, Asst. General Manager
Research & Control Lab, Met Engg, RSP
 - (viii) Mr. Subhendra Das, Asst. General Manager
Mechanical Shop, Mech. Engg, RSP
 - (ix) Mr. Ajit Kumar Mohapatra, Asst. General Manager
Civil Engineering (Services), Civil Engg, RSP
 - (x) Mr. C D P Satpathy, Asst. General Manager
Computer & Information Tech, CSE, RSP

The meeting ended with thanks to the Chair.



Sunil Kr Sarangi
Director & Secretary
Board of Governors



Dr. Bansidhar Panda
Chairman
Board of Governors

March 20, 2006

Although the minutes of 9th BOG were prepared, it could not be submitted for signature earlier as clarifications regarding pay structure and no of posts to be advertised Were awaited from MHRD.

After clarifications from MHRD, the following changes were incorporated in the minutes.

BOG-9 (2005) – 9

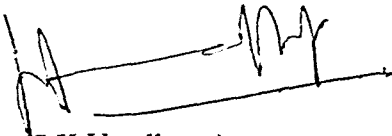
The pay structures were corrected in Annexure-5.

BOG-9 (2005) – 12

The total no of posts were changed from 35 to 30.

BOG-9 (2005) – 25

The pay scales were corrected in Annexure-10 as per Annexure-5.

A handwritten signature in black ink, appearing to be 'S K Upadhyay', written over a horizontal line.

(S K Upadhyay)
Registrar

ANNEXURE-1



National Institute of Technology
Rourkela – 769 008 (Orissa)

Director's Report

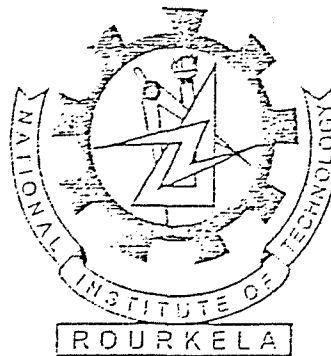
1. TEQIP activities :
 - a. Performance Audit was conducted during 27th October, 2005 by Prof. D.K.Banwet, Professor, I.I.T. Delhi and NPIU representative.
 - b. 4th Joint Review Mission (JRM) was held during 29.11.2005 at Hyderabad.
 - c. An amount of Rs. 5.00 crores (approx.) has been spent till 31.12.2005.
2. 4th Building and Works Committee meeting was held on 07.12.2005.
3. 9th Senate meeting was held on 04.01.2006.
4. 10th Senate meeting is scheduled to be held on 25.01.2006.
5. 3rd Convocation was held on 28th January, 2006. Prof. C.S.Jha, Former Director, IIT Kharagpur, Vice Chancellor of Banaras Hindu University and Adviser to the Ministry of HRD was the Chief Guest for the convocation. Chairman, N.I.T, Rourkela, Dr. Bansidhar Panda also presided over the function.
6. The construction work of Homi Bhabha Hall of Residence is under progress. It is expected to be completed by July, 2006.
7. Extension of Main Guest House work is in progress and it is expected to be completed by July, 2006.
8. Renovation of Visitors House completed.
9. Renovation of Main Guest House will be taken up during February – March, 2006.
10. The construction of 3rd floor of Hall-6 has been started and it is expected to be completed by June, 2006 before the next academic session.
11. Annual sports meet was held during 11th – 12th November, 2005.
12. Inter-NIT Basketball & Tennis Tournament was held at our Institute during 19th – 21st January, 2006.
13. Students' Technical Festival (Confluence 2k6) was conducted during 12th – 15th January, 2006.
14. Training Workshop on "HAZAN, HAZOP & RISK ANALYSIS" was held on 18th & 19th January, 2006. Govt. officials like RDC, Northern Division, Sambalpur, DIG of Police and District Collectors and Chief Executives of major industries were among the distinguished guests.
15. National Conference on "Recent Advances in Industrial Tribology and Maintenance" was held during January 21 – 22, 2006, which was organized by the Department of Mechanical Engineering.

ANNEXURE-2

National Institute of Technology Rourkela

MINUTES

4th Meeting of the Building & Works Committee



DATE : 7th December, 2005 (Wednesday)

TIME : 09.00 A.M.

VENUE : Board Room, NIT, Rourkela

MINUTES OF THE 4th MEETING OF BUILDING & WORKS COMMITTEE OF
NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA HELD ON 7TH
DECEMBER, 2005 AT 10.00 AM IN THE BOARD ROOM OF NIT, ROURKELA

Members Present:

- 1) Prof. Sunil Kumar Sarangi, Director and
Chairman, of Building & Works Committee
NIT Rourkela.
- 2) Mr. A.K. Khatua, Executive Engineer (Civil),
CPWD, Bhubaneswar.
- 3) Mr. D.P. Kuanhar, Executive Engineer (Elect.)
C.P.W.D., Bhubaneswar.
- 4) Prof. G.K. Roy,
Dean (PD),
Professor, Chemical Engg., NIT, Rourkela
- 5) Prof. J.K. Satpathy,
Dean (Admn.)
Professor, Electrical Engg., NIT., Rourkela.
- 6) Prof. P.K. Nanda,
Professor, Electrical Engg., NIT., Rourkela
- 7) Prof. A. K. Panda,
Visiting Professor, Civil Engg, NIT,Rourkela.
- 8) Er. S.K. Upadhyay,
Registrar & Ex-Officio Member Secretary
Building and Works Committee,
NIT Rourkela.

Members Absent:

1. Dr. G.L. Jambhulkar
Dy. Educational Adviser (NIT),
MHRD, Dept. of Secondary Education & Higher Education,
Room No. 529-C, Wing, Shastri Bhawan,
New Delhi.
2. Dr. Sanak Mishra,
MD, SAIL, RSP, Rourkela
3. Prof. K.C. Patra,
Professor, Civil Engg., NIT Rourkela
4. Prof. S.P. Singh,
Asst. Professor,
Civil Engineering, NIT., Rourkela.

The leave of absence was approved.

BWC: 4 (2005)-1 : Welcome to the members by the Chairman.

Prof. S.K. Sarangi, Director, NIT., Rourkela and Chairman, Building Works Committee welcomed the members and introduced them to the Committee.

BWC: 4 (2005)-2 : Confirmation of the minutes of the 3rd Meeting and matters arising out of the last Building and Works Committee held at the Board Room of NIT, Rourkela on 5TH January, 2005.

The Minutes of the 3rd Meeting of the Building and Works Committee were confirmed.

BWC: 4 (2005) - 3 Report of Action Taken on the Minutes of 3rd meeting of the Building and Works Committee held on 5th January, 2005.

The Committee reviewed the action taken on various decisions of the Building and Works Committee taken in its 3rd meeting held on 05.01.2005. The members from CPWD were requested to send the comments on Contract Procedure at the earliest.

Annexure -

BWC: 4 (2005) – 4: Construction of 2nd Floor (G/ + 2 system) in Hall-6.

There has been increase in students strength in UG, PG and Ph.D. as given below:

Discipline	Year 2003-04	Year 2004-2005	Year 2005-2006	Remarks
UG	356	352	390	
PG/ MCA	164	246	270	
Ph.D.			69	

Homi Bhabha Hall of Residence is under construction. Moreover, due to water leakage, students are suffering in the 1st floor. Therefore, it is urgently required to construct and complete the 2nd Floor in Hall-6. Tendering has been done and the order is in the final stage of processing. The plan grant of financial year 2004 –05 had a specific grant for this item.

The Committee approved the construction of 2nd Floor (G+2 system) of Hostel-6.

BWC: 4 (2005) – 5: Extension of 2nd Floor (G + 2 system) of Met. Mat. Sc. Engineering Department. To overcome the shortage of class rooms, immediately, construction of 3rd floor in Metallurgical and Material Science Engg. Department may be taken up. Building and Workshop Committee may approve the same.

In view of the proposal for the new Lecture Hall Complex, the construction of 2nd floor in Met. And Mat Sc. Engg was deferred.

BWC: 4 (2005) – 6: New proposal for Lecture Hall Complex.

There has been increase in students strength in ECE and CSE from 30 to 60 respectively. There is a acute shortage of class rooms, seminar rooms etc. It is now necessary to construct a new Lecture Hall Complex. Building and Works Committee may approve the same.

The proposal for construction of a New Lecture Hall Complex was approved.

BWC: 4 (2005) – 7: Proposal for construction of New Library Building.

The proposal for construction of New Library Building was approved.

BWC: 4 (2005) – 8: Proposal for extension of existing Halls of Residence, 1,2,3,4 and 5 .

The present accommodation capacity in Hall-1 to Hall-5 is 250 each. It is proposed that we may add another wing for the above Halls to increase the present strength up to 400 and convert all the existing rooms into single rooms.

The proposal for modification and renovation of existing Halls of Residence 1,2,3,4 and 5 was approved.

BWC:4(2005) – 9: One Architect may be engaged from the Institute panel for designing, modification and to estimate for extension of Met. and Mat. Sc. Engg., New Lecture Hall complex, Computer Centre, New Library Building and extension of Hall-1 to Hall-5, Swimming Pool and Gymnastic, renovation of residential quarters and construction of new residential quarters.

The Committee considered the proposal. It was decided to award the job to one of the Institute approved Architects or CPWD after inviting concept plans. The Director was requested to advertise for concept plans, a committee of experts and prepare the basic plans for submission to the Ministry.

BWC: 4 (2005) – 10: Review of the status of all on going projects (Civil construction: and Electrical Construction:

All the ongoing projects were reviewed and status of the same are enclosed.

Annexure -II

BWC: 4 (2005) – 11: To consider the application of M/s Sarat Kumar Sahu for settlement of disputes arising out of stoppage of work by D.F.O. and Bastee people (Work Order No.NIT/C/132 dt.18.01.2005).

It was confirmed by representatives of CPWD that if the contract period is less than 18th months, no escalation will be allowed. Regarding work stoppage etc, suitable decision may be taken in consultation with the Contractor to compensate him as per terms and conditions of the agreement.

Annexure-III

BWC: 4 (2005) – 12: The following proposals for new construction may be approved.

Civil:

- Haribandhu Club and Rengcol Club for staff members.
- Widening of all Academic, Hostel area Roads.
- Drainage System of the Institute and Campus
- Swimming Pool
- Gymnastic Complex for students and staff members.

Electrical:

- New Substation near new 'E' type Flats for increased loads of colony.
- Underground cabling of Colony Power supply.
- Street light for north side of Main Road.
- Institute Main/ Annex Building rewiring

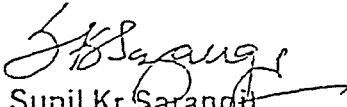
All the above proposals were approved.


BWC: 4 (2005) – 13: Any other item with the permission of the Chair.

- 1) The proposal for construction of Compound wall , approach road and Parking Place for Homi Bhabha Hall of Residence was approved. Estimation to be prepared.

- 2) Renovation of Sewerage system in the Campus.

The proposal was approved.


(Prof. Sunil Kr Sarangi)
Director & Chairman
Building & Works Committee
NIT., Rourkela


(S. K. Upadhyay)
Registrar & Secretary
Building & Works Committee
NIT., Rourkela

**Action Taken Report of the 3rd meeting of the Building & Works Committee held on
05.01.2005 at 10.0 A.M. in the Board Room of the Institute**

Sl. No	Item No.	Item Descriptions	Present status	Responsibility
	BWC: 3 (2005)-3:	To discuss the proposed "Contract procedure" and recommend to BOG for approval		
	BWC: 3 (2005)-4	To review the work on water supply: M/s Geoinformatics, Bhubaneswar were entrusted with the task of augmentation of the water supply system of the campus. Because of delay by the party (for reasons beyond their control) the contract was terminated. M/s M.N. Dastur & Co. have been entrusted with the task of augmentation of the Water supply system and the water purification system	i) Water Distribution System specifications received from M.N. Dastur & Co. Tender to be invited. ii) Water Treatment Plant – Techno Commercial Bids opened. Clarifications asked from Bidders.	
	BWC: 3 (2005)-5	To review the progress of other civil work being carried out. a) Compound wall around academic area being implemented by IDCO. b) Periphery road being constructed by IDCO. c) Renovation of Guest House and Visitors House. d) Renovation of academic buildings. e) Renovation and remodeling of Administrative block. g) Chemical treatment of roofs in academic block. h) Compound wall around the whole campus. h) Improvement of plantation and Lawns & Gardens.	Completed except damaged portion of about – m length. Black topping completed except about 30 mtr length and approaches to main gate and to 3 flats. i) Visitor Hall – in progress. Likely completion Sept.05. ii) Guest House – Site not handed over. In progress – Likely completion Oct.05. In progress – Likely completion Sept.05. In progress – Likely completion Oct.05. About 500 mtrs completed. Works stopped by DFO. & Basties people.	

		i) Provision of bath rooms in G type quarters. j) Renovation of kitchens of all halls. k) Renovation of Hall – 6 and addition of a new floor.	Deferred Completed Tender finalization, deferred for fund allocation.	
	BWC: 3 (2005)-6	To review the civil maintenance and minor construction on campus. a) Provision of approach road to A, B & C type quarters. b) Hydro insulation. c) Maintenance of doors, windows etc.	Completed Completed Completed	
	BWC: 3 (2005)-7:	To review the position of major electrical construction.	1 st Substation 90% Progress – 31.12.05 2 nd Substation 75% progress – 31.12.05 3 rd Substation job progress – 31.1.06 Street Light – 50% job over – 31.1.06	
	BWC: 3 (2005)-8:	To review and discuss the construction of the 1 st Floor of S.B.I. Building, NIT, Rourkela.	Estimate submitted to SBI. Sanction is awaited.	
	BWC: 3 (2005)-9:	To review the Construction of a Kuchha Road around the campus. The management of Rourkela Steel Plant has given their consent to go ahead with the construction of the rudimentary road on RSP Land skirting NIT Campus. Since slag to be provided by R.S.P. for construction of road is not free of cost, the total cost is required to be re-estimated.	Completed.	
	BWC: 3 (2005)-10	To review the status of construction of a) Homi Bhabha Hall of Residence. b) Guest House extension.	In progress In progress	
	BWC: 3 (2005)-11	To discuss the proposals for following new construction. a) Widening of all roads in the academic area, with provision of proper drainage facility.	Estimate under preparation.	

		<p>b) Addition of small segments of road to the Senate Hall.</p> <p>c) Renovation of Lecture Gallery Complex with addition of 4 small rooms.</p> <p>d) A new Library (MHRD to be requested for a special plan grant).</p> <p>e) A new Lecture Hall, Class room complex (under TEQIP project).</p> <p>f) A new academic building for housing new departments and research facilities (MHRD will be requested to finance under plan grant).</p> <p>g) A new students' Centre with cultural facilities, Gym and Swimming Pool. (MHRD will be requested to finance under plan grant; if unsuccessful, Institute Development fees contributed by the students over the years may be used).</p> <p>h) A new facility for staff incorporating the Rengcol Club, Haribandhu Club and Children's park. (MHRD will be requested to finance under plan grant; if unsuccessful, Institute Development fees contributed by the students over the years may be used).</p>	<p>Estimate under preparation.</p> <p>Estimate under preparation.</p> <p>Yet to be taken</p> <p>-do-</p> <p>-do-</p> <p>-do-</p> <p>-do-</p>	
	BWC: 3 (2005)-12:	To examine the proposal to convert existing and scatter rooms to single rooms in Halls – 1, 3 & 4.	-do-	
	BWC: 3 (2005)-13:	<p>To recommend and personnel requirement including number, qualifications and designations for the Institute.</p> <p>Presently, the construction/ maintenance works are being looked after by 2 faculty members and one Visiting Professor each in Civil and Electrical Department. NIT has hired 4 stipendiary Engineers from Engineering Schools (3 Civil + 1 Electrical). In addition to this, a Civil Engineering Associates firm has been engaged which provides 3 Civil Engineers (2 retired from RSP) and one Secretary. The Committee recommends the following regular staff structure.</p>	Being taken up with MHRD	

A. STATUS OF PROGRESS OF NEW WORKS (AS ON 31.10.05)

S.No	Description of Work	Agency	Work Order No	Total Value in Lakhs	Schedule of Completion	Present Status
1	Work Entrusted to M/s IDCO a) Periphery Road b) Boundary Wall (Cemented) Painting	M/s IDCO M/s IDCO		43.1 4.2	15.01.2005 15.08.2004	About 90% premix carpet work completed Completed
2	Construction of periphery boundary wall	M/s S. K. Saboo	NIT/C/132 18.01.2005	37.37	17.07.2005 (5 m)	Out of 3 km length, about 500m completed. Work Stopped by forest department and by basia people.
3	Construction of Bypass Road	M/s P. K. Rout	NIT/C/ 123 30.12.2004	3.79	29.01.2005 (1 m)	Completed
4	Interior decoration of general office, Dean's office etc.	M/s Eastern Infrastruc PVT.Ltd	NITR/PUR/2059 04.03.2005	64	11.05.2005 (3 m)	About 80% work completed

Sl. No.	Description of work	Agency	Work order no.	Total value in lakhs	Schedule of completion	Present status
5	Construction of New Guest house	M/s P. K. Rout	HTT/C/367/01.05/2024 26.03.2005	69.91	27.01.2006 (10 m)	Ground floor column ca
6	Construction of a new Hostel	M/s PSAR Engg (P) Ltd	HTT/C/366/2023 26.03.05	616.06	27.03.06 (1 yr)	progress Site handed over 28.12.2024 C/P roof cast for 2 wings.
7	Construction of Security Gate and guard room.	M/s Bouckela Fabrica	HTT/C/366 25.03.05	2.41	24.06.05	Completed progress
8	Augmentation of Water Supply a) New Water Treatment Plant. b) Distribution network	Yet to be finalised. Yet to be finalised.				Tendering in process M/s Dasturco have an specifications for tender

STATUS OF PROGRESS OF MAINTENANCE WORKS

(AS ON 31.10.05)

S.L.N O	DESCRIPTION OF WORK	AGENCY	WORK ORDER NO	TOTAL VALUE IN LAKHS	SCHEDULE OF COMPLETION	PRESENT STATUS
1	Repair/Rectification of Hall-5	M/s P. K. Rout	NIT/C/97 25.11.2004	3.89	24.03.2005 (4 m)	In Progress
2	Renovation of kitchens in all Halls of Residence except Hall no-1	1.M/s P. K. Rout(H-No-2,4) 2.M/s A. K. Mohanty(H-No-3) 3.M/s M. K. Paramel(H-No-5) 4.M/s Sentech Service(L.H)	NIT/C/119 NIT/C/120 NIT/C/121 NIT/C/122 29.12.2004	7.56 3.78 3.78 3.78	28.03.2005 28.03.2005 28.03.2005 28.03.2005 (3 m)	Completed Completed Completed Completed <i>Electrical work not yet completed</i>
3	Replacement of damaged doors/windows in quarters	1.M/s Orissa Trading Co 2.M/s Rourkela Fabrication	NIT/C/99 NIT/C/100 29.11.2004	1.85 1.85	28.03.2005 28.03.2005 (4 m)	Completed Completed
4	Chemical Treatment over roofs of building.	M/s V. K. Enterprise	NIT/C/118 29.12.2004	73.48	28.05.2005 (5 m)	60% work completed

Sl. No.	Description of Work	Agency	Order No.	Value in Lakhs	Estimated Completion	Present Status
5	Renovation of Existing Lab of Chemical Engrs Deptt.	M/s G. N. Construction	NIT/C/127 07.01.2005	3.49	06.04.2005 (3 m)	Roof sheeting completed. After light fitting fixing, false ceiling work can be completed.
6	Repair of Damaged windows etc. in Mech & Civil Deptt.	1.M/s Rourkela Fabrication 1.M/s Rourkela Fabrication	NIT/C/86(a) NIT/C/86(b)	3.46 3.46	04.03.2005 04.03.2005	Completed Completed
7	Constn of 2 nos of cycle stand near Chem and Mech. Deptt.	M/s Rourkela Fabrication	5.11.2004 NIT/C/78 1.11.2004	3.86	(4 m) 30.03.2004 (4 m)	Completed
8	Visitor Hall Renovation	M/s Master Construction	NIT/C/147 7.02.2005	21.04	6.07.2005 (5 m)	Finishing work in - Electrical works. Exp. 06.07.05.
9	Guest house Renovation.	M/s P. K. Rour	NIT/R/RD/14 14.02.2005	13.64	13.06.2005 (4 m)	Site yet to be handed over

SL. NO	DESCRIPTION OF WORK	AGENCY	WORK ORDER NO	TOTAL VALUE IN LAKHS	SCHEDULE OF COMPLETION	PRESENT STATUS
10	Outside painting, white washing etc for academic bldgs and hostels.	1.M/s S. K. Mohanty	NIT/C/207 (a) 25.03.05	11.37	24.07.05 4 m	Work in progress
		2.M/s U. N. Padhiary	NIT/C/207 (b) 25.03.05	5.68	24.07.05 4 m	Work in progress
		3.M/s Sudarshan Dash	NIT/C/207 (c) 25.03.05	5.68	24.07.05 4 m	Work in progress
		4.M/s P. C. Mohanty	NIT/C/207 (d) 25.03.05	5.68	24.07.05 4 m	Work in progress
		5.M/s Pradeep Patra	NIT/C/207 (e) 25.03.05	5.68	24.07.05 4 m	Work in progress
		6.M/s A. K. Mohanty	NIT/C/207 (f) 25.03.05	5.68	24.07.05 4 m	Work in progress
		7.M/s N. C. Panda	NIT/C/207 (g) 25.03.05	5.68	24.07.05 4 m	Work in progress
		8. M/s Sarat Ku. Sahoo	NIT/C/207 (h) 25.03.05	5.68	24.07.05 4 m	Work in progress
		9. M/s Nirman Enterprise	NIT/C/207 (i) 25.03.05	5.68	24.07.05 4 m	Work in progress

SL. NO	DESCRIPTION OF WORK	AGENCY	WORK ORDER NO	TOTAL VALUE IN LAKHS	SCHEDULE OF COMPLETION	PRESENT STATUS
11	Renovation of Hall Canteen	M/s Pradeep Patra	NIT/C/2541 23.03.2005	2.23	22.05.05 3 m	Only painting work is Pending
12	Approach road to 'A' type Qrs	a.M/s M. K. Paramel b.M/s Sudarshan Dash	NIT/C/1/05- 38507 NIT/C/2/05- 38507	3.35 2.23	5.7.05 5.7.05	Completed Completed
13	Extension & Renovation in Hall No-6	Order placement yet to be done.			99.00	Fund booking yet to be done.

NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA

STATUS OF ELECTRICAL JOBS AS ON 14.11.05

S/No	DESCRIPTION	MATERIAL	SUPPLIER	POSITION	JOB ORDER STATUS	Completion	REMARKS
1	Transformer and Sub station installation	Transformer	M/s AIE	3nos recd	J.O. placed on 3 firms		
		ACB & MDB Panel	M/s KE	5 nos. recd	Hostel S/S	Cancelled	
		6 nos.		1no ready	Ceramic S/S	90 % compl	
					AKDAS	To be Charged	DEC '05
					PARIDA	Hostel S/S	Dec.'05
					started in Aug '05		
					Transformer to be Shifted		
2	Under ground cabling and Distribution panel installation	Cables	POLYCAB	Recd.	J.O. placed on 2 firms		
		Switchgears	SIEMENS	Recd	PRAKASH	started in May	Dec.'05
		Dist. Panel	M/s KE	6 nos. recd	Restarted in		
		12 nos		5 nos. ready	oct.'05		
				del. In Nov.			
					KUNNATHI	Started in oct.	Dec.'05
3	Street poles Lights	Oct. poles	BAJAJ	Recd	J.O. placed	Job started in May'05	Dec.'05
		Light fixtures	BAJAJ	Recd	P.TECH	96 casting over and	
		Cables	Polycab	Recd		75 poles erected	
		Cables	order processed			2000 M cables laid	
			cables to be purchased			40 nos. fittings fixed	
						In Progress	

4	Hostel Rewiring	All material	Recd	J.O. placed Hall 1,2,3,5,LH Hall 4	Sept. 04 AUG '05
5	Ravring of Academic Buildings	Switches Wires MCB DB	Anchor Anchor Pradip	J.O placed on 2 Firms Prakash Job started in May '05 A K Das part of the job finished Balance to be done during Dec. '05	Aug.'05 Aug '05
6	Renovation of Old Guest House	Switches Wires MCB	Anchor Finolex Siemens	J.O placed PerfectElec no site clearance	
	Visitors Hall	Light fitting Geyzers Ceiling fans Exhaust fan	Bajaj Philips Usha Usha	SahodEnt In progress	Nov. '05
	New Guest house	Purchase Enq. For 5 items to be issued		J.O. to be placed Sarat Kumar Sahoo	
7	Hostel 7	Bought out items to be purchased Enq. Initiated		J.O. placed on Hindusthan Elec.Co. Job Started	
8	Hostel 6	Details recd from Consultant, Changes discussed, Final B O Q. by 17.11.05		Enq to be issued	

9	LH D Block	SAHOO ENT. Almost completed	Nov. '05
10	New E type flats near G block	In progress along with civil jobs Power to be made available A new S/S is to be installed near the Flats as the Colony Transformer is overloaded	
11	H 2,3,4,5,LH Kitchen and LH common room Renovation	Completed in H2,4,5,& LH To be done in H3	Aug. '05 Nov. '05
12	Campus gate(Jagda)	Wiring completed Light Fittings to be fixed	Nov. '05
13	250 KVA Transformer Repair		
14	Energy Meter Fixing	Service pipe fixed DB, MCB are to be fixed Meter to be Fixed	Dec. '05
15	Colony Under ground Cabling in A,B,C Block	J.O. to be processed	
		Cables to be bought Feeder Panels to be bought	

ANNEXURE-3

List of Awardees for Third ConvocationINSTITUTE GOLD MEDAL

1. Best Post Graduate – 2005 : Soma Sekhar K (ME)
2. Best Graduate – 2005 : Rumki Bhadury (EE)

Prof. Bhubaneswar Behera Gold Medal

3. Best all-rounder –B.Tech.– 2005 : Piyush Kumar (EE)

INSTITUTE SILVER MEDAL (FOR BRANCH TOPPERS)

4. B.Tech, Ceramic Engineering – 2005 : Naveen. S
5. B.Tech, Chemical Engineering – 2005 : Debi Prasad Dash
6. B.Tech, Civil Engineering – 2005 : Pradeep Kumar Sahu
7. B.Tech, C.S. Engineering – 2005 : Nilam Jyoti Sharma
8. B.Tech, Electrical Engineering – 2005 : Rumki Bhadury
9. B.Tech, E & I Engineering – 2005 : Manoranjan Satapathy
10. B.Tech, Mechanical Engineering – 2005 : Avijit Acharya
11. B.Tech, M & M Engineering – 2005 : Soubhagya Ranjan Mohapatra
12. B.Tech, Mining Engineering – 2005 : Priyadarshi Sandeep Kumar Bal
13. M.Tech, Chemical Engineering – 2005 : Sujata Devi
14. M.Tech, Civil Engg Struct. Engg - 2005 : Srinivaskiran K
15. M.Tech, Civil Engg S.M.F.E. - 2005 : Biranchi Narayan panda
16. M.Tech, C.S. Engineering – 2005 : Ajaya kumar Nayak
17. M.Tech, Electrical Engineering – 2005 : Durgarao Meka
18. M.Tech, E & I Engineering – 2005 : Shakti Prasad Rath
19. M.Tech, Mechanical Engineering – 2005 : Soma Sekhar K
20. M.C.A. – 2005 : Pradeep Kumar Dey
21. M.Sc., Physics – 2005 : Arundhati Chakrabarti
22. M.Sc., Chemistry – 2005 : Rudra Prasanna Nayak
23. M.Sc., Mathematics – 2005 : Shakuntala Panda

ENDOWMENT MEDALS :

24. ISTAM Medal – - 2005 : Rumki Bhadury (EE)
(For Best Graduate of the Institute)
25. Saurav Ranjan Kar Memorial Medal – 2005 : Rumki Bhadury (EE)
(For Best Graduate of the Institute)
26. Sugat Kishore Mall Memorial Medal – 2005 : Rumki Bhadury
(for Best Graduate in Electrical Engg.)
27. Pranab Memorial Medal – 2005 : Avijit Acharya
(For Best Graduate in Mechanical Engg.)

28. Metallurgical Engg Assn. Medal -2005 : Soubhagya Ranjan Mohapatra
(for Best Graduate of M & M.Engg)
29. Institution of Engineers (India) Medal – 2005: Priyadarshi Sandeep Kumar Bal
(For Best Graduate of Mining Engg)
30. Institution of Engineers (India) Medal – 2005: Avijit Acharya
(For Best graduate in Mechanical Engg.)
31. Prof Ashok Kumar Mohanty - Medal -2005 : Soubhagya Ranjan Mohapatra
(for Best Graduate of Metallurgical and
Materials Engineering-2004)

INSTITUTE GOLD MEDAL :
[For Best B.Tech Project]

32. Best B.Tech Project – 2005 : Subrat Nayak (EE)
33. Best B.Tech Project – 2005 : Sri Debadatta Das (EE)

CASH AWARDS

34. Institution of Engineers (India) Award - 2005 : Debi Prasad Dash (CH)
(Best Graduate in Chemical Engg.)
35. Institution of Engineers (India) Award - 2005 : Rumki Bhadury (EE)
(Best graduate other than in Chemical Engg.)
36. Prof. Raja Raman Award - 2005 : Nilam Jyoti Sharma (CS)
(Best Graduate in Computer Sc.)

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CHEMICAL ENGG

LIST OF DEGREE RESEARCHER FOR 3rd CONVEGSION

1.	H-01404	DEBI PRASAD DASH	3410	Hons
2.	H-01002	BIBHURANJAN SENAPATI	3211	Hons
3.	H-01015	SUNANDA PANDA	3221	Hons
4.	H-01017	TAPASYA MOHANTY	3170	Hons
5.	H-01020	SUBHASH KAIPA	3162	Hons
6.	H-01032	ROHIT MAHESHWARI	3223	Hons
7.	DR-01030	ARUN KUMAR MAHAPATRA	2177	Hons
8.	H-01403	DEBASRATA PRUSETH	3303	Hons
9.	H-01400	KESHAPPRAGADA SUBASH	3170	Hons
10.	H-01510	SIDDHARTHA MAHAPATRA	3207	Hons
11.	H-01003	CHITTARANJAN HOTA	2923	1 st
12.	H-01005	JAYA PRAKASH DORA	2808	1 st
13.	H-01000	KHIROD KUMAR NAYAK	2831	1 st
14.	H-01007	MANASI ROY	3000	1 st
15.	H-01009	RAJESH KUMAR SETHI	2804	1 st
16.	H-01012	SIDHARTH MISHRA	2709	1 st
17.	H-01014	SUDEEP MUKHERJEE	2959	1 st
18.	H-01010	SWARNAPRAVA RAY	2926	1 st
19.	H-01018	V. SUDHA	2759	1 st
20.	H-01019	MANISH MOHANDAS	2895	1 st
21.	H-01020	SK. FARUQUE AHMED	2737	1 st
22.	H-01023	VISHWANATH V. CHANNAL	2871	1 st
23.	H-01024	CHANSHYAM	2819	1 st
24.	H-01025	GUPTA TUSHAR SOMPRKASH	2819	1 st
25.	H-01027	POOJA MALIK	2910	1 st
26.	H-01028	AMIT NIGAM	2911	1 st
27.	H-01031	N. BALAJI KARTHIK	2903	1 st
28.	H-01033	RAKESH KUMAR	2977	1 st
29.	H-01034	GAYAN RANJAN DUTTA	2940	1 st
30.	DR-01037	AKSHYA KUMAR MAHAPATHY	2576	1 st
31.	H-01420	VIJU B	3144	1 st
32.	H-01517	SOHAG MOHANTY	2894	1 st
33.	H-01029	NAIR RATHEESH GOPALAN	2834	2 nd
34.	H-00042	YAJNIK PRANAV RAJENDRA KUMAR		2 nd
35.	H-01022	JATINDER KUMAR		2 nd
36.	H-00045	RAHUL NIGAM		2 nd
37.	H-0101	RAMCHANDRA MAJHI		2 nd
38.	H-01030	MADHU BABU UCHULA		2 nd
39.	H-00036	PARVINDER SAHOTA		2 nd
40.	H-00019	DEEPAK SINGH		2 nd

CIVIL ENGINEERING

41.	C-01105	PRADEEP KUMAR SAHU	3524	Hons
42.	C-01107	PRACHISMITA SAHU	3395	Hons
43.	C-01114	SOUMYA MOHAPATRA	3392	Hons
44.	C-01119	SOHAM GHOSH	3312	Hons
45.	C-01128	NISHANT KUMAR AGGARWAL	3459	Hons
46.	DC-01133	JAGANNATHA MAHANTA	2843	Hons
47.	DC-01134	DEBASIS DAS	2804	Hons
48.	C-01511	NARASINGHA MOHANTA	3254	Hons
49.	C-01192	BISHWES DAS	2712	1 st
50.	C-01103	CHANDRA BHAN SINGH	3051	1 st
51.	C-01105	MINARANI PALEI	2676	1 st
52.	C-01115	VIVEK PARIDA	3133	1 st
53.	C-01116	ARITRI BHOWMIK	2901	1 st
54.	C-01117	PALASH DUTTA	3071	1 st
55.	C-01116	JUGRAJ MEENA	2910	1 st
56.	C-01120	KOJILYA KUMAR GOGINENI	2783	1 st
57.	C-01121	SUBRAMANYAM REDDY K	3143	1 st
58.	C-01124	PATIL SANDIP ASHOKRAO	2742	1 st

59.	C-01127	ANAND SINGH	2821	1 st
60.	C-01129	UPHAR GANDHI	3128	1 st
61.	C-01130	MONALISA BARIK	3052	1 st
62.	C-01131	EDWIN IRUDAYARAJ P	2646	1 st
63.	C-01509	MANIK KUMAR DAS	3002	1 st
64.	C-01514	RAIJAN KUMAR BALABANTARAY	3090	1 st
65.	C-01519	SUKESH KUMAR SINGH	2831	1 st
66.	C-01522	DHEEMAN CHATTERJI	2971	1 st
67.	C-01524	RAJESH KUMAR YADAV	3002	1 st
68.	C-01132	MANISH KUMAR		1 st
69.	C-01110	RAJITA KUANR	2398	2 nd
70.	C-0105	DESHRAJ MEENA		2 nd
71.	C-00105	P.PRAVEENA		2 nd
72.	C-01126	CHIRAG SINGH		2 nd
73.	C-9116	NET RAM MEENA		2 nd
74.	C-9122	MATHEW M NIPHI		2 nd
75.	C-0123	USHA KAIN		P.A.S.C

CERAMIC ENGINEERING

76.	R-01809	NAVEEN S	3424	Hons.
77.	R-01808	SAMBART RAY	3378	Hons.
78.	R-01801	APARAJITA PRAMANIK	2908	1 st
79.	R-01806	PURNA CHANDRA BEHERA	2854	1 st
80.	R-01807	RAHUL MISHRA	3056	1 st
81.	R-01811	VIKRANT BHARDWAJ	2830	1 st
82.	R-01812	MUZAMIL NAZIP	2874	1 st
83.	R-01813	PIYUSH CHANDRA PANDEY	2872	1 st
84.	DE-01814	SAGARIKA BRAHMA	2553	1 st
85.	R-01805	PRADEEP KUMAR KISPOTTA	2486	2 nd

COMPUTER SCIENCE ENGINEERING

86.	P-01609	NILAM JYOTI SHARMA	3546	Hons
87.	P-01111	SAIPAM BEHERA	3165	Hons
88.	P-01312	INTU NIVEDITA	3423	Hons
89.	P-01602	ANGARISH OTTA	3478	Hons
90.	P-01605	JYOTIRMAYA PRADHAN	3337	Hons
91.	P-01610	NIRAJ KUMAR MALL	3311	Hons
92.	P-01611	PAWAN KUMAR JANGID	3514	Hons
93.	P-01612	PRIYABRAT BASTIA	3252	Hons
94.	P-01615	SONIA SINGH	3328	Hons
95.	P-01616	SUCHISMIT MAHAPATRA	3227	Hons
96.	P-01617	SURAJ KETAN SAMAL	3412	Hons
97.	P-01621	VASU GULATI	3207	Hons
98.	P-01627	GUPTA TULIKA SOMPRAKASH	3283	Hons
99.	P-01633	ASHISH GUPTA	3280	Hons
100.	P-01601	AMARNATH MISHRA	2949	1 st
101.	P-01606	LAXMINARAYAN MALLICK	3007	1 st
102.	P-01607	NAZIA	2926	1 st
103.	P-01600	NIBEDITA PANIGRAHI	2971	1 st
104.	P-01613	SARITA SETHY	2929	1 st
105.	P-01614	SMRUTI RANJAN PANIGRAHI	3037	1 st
106.	P-01618	ADITYA SINGH SENGAR	2835	1 st
107.	P-01619	PAVAN KUMAR	2936	1 st
108.	P-01620	BASANTH M P	2596	1st
109.	P-01623	RAJU MAHARJAN	2819	1 st
110.	P-01628	POLAVVAR GAJANAN TULSHIDASRAO	2628	1 st
111.	P-01631	AKSHAY KUMAR GUPTA	3099	1 st
112.	P-01634	PRADHIP P	2830	1 st
113.	DP-01635	BISHU DATTA JENA	2613	1 st
114.	DP-01636	PRATAP RUDRA SATAPATHY	2559	1 st
115.	P-9932	VIKAS SHARMA	2541	1 st
116.	P-01620	ATE CHANDRASHEKHAR RAMDAS		1 st
117.	P-01603	HEMALATA BARI		1 st

118	P-01632	SATYARTH GAUR	1 st
119	P-01633	KULKARNI NIKHIL BALKRISHNA	1 st
120	P-01635	PAWAR KISHOR NARSINGRAO	2 nd
121	P-0012	KIRAN KOTEKAR	2 nd

ELECTRICAL ENGINEERING

122	E-01207	RUMKI BHADURY	3599	Hons
123	E-01001	AMARJYOTI BOSE	3511	Hons
124	E-01008	PREET PAI SINGH SOKHI	3220	Hons
125	E-01013	SUBHRANJU SEKHAR MISHRA	3177	Hons
126	E-01201	ABHISHEK SENGUPTA	3252	Hons
127	E-01202	AFROZY APA	3386	Hons
128	E-01203	ASIT KUMAR MAHARANA	3425	Hons
129	E-01204	ASHISH MAHALYA	3382	Hons
130	E-01209	CHINIMAYA RANJAN SAHOO	3228	Hons
131	E-01210	DEBADATTA DAS	3243	Hons
132	E-01220	PIYUSH KUMAR	3177	Hons
133	E-01221	RICHA PODDAR	3285	Hons
134	E-01225	SHIBANI MISHRA	3224	Hons
135	E-01228	SIPPU ROUT	3259	Hons
136	E-01234	TAPINEE PRASAD DAS	3254	Hons
137	E-01245	ATMADEEP PAUL	3274	Hons
138	E-01237	RAJAN TIWARI	3187	Hons
139	DE-01265	GYANENDRA SAHU	2775	Hons
140	DE-01267	SRIDHAR SAHOO	2733	Hons
141	DE-01268	UMAKANTA SHUKLA	2733	Hons
142	E-01319	PRAJNA PARAMITA DASH	3450	Hons
143	E-01505	BISWAJEET DASH	3337	Hons
144	E-01123	DINA KHANIYA	2940	1 st
145	E-01205	ASHIRVAD MOHANTY	3057	1 st
146	E-01208	SHARATI NAYAK	3038	1 st
147	E-01211	DEBASHISH PRADHAN	3085	1 st
148	E-01213	LIPSA NANDA	3056	1 st
149	E-01216	MANAS RANJAN SETHI	2950	1 st
150	E-01217	MICHIKO AVANTIKA CHAND	3068	1 st
151	E-01218	NAMITA SAHOO	3113	1 st
152	E-01219	PARTHA SARATHI PUROHIT	3070	1 st
153	E-01222	SATISH SAHOO	3033	1 st
154	E-01223	SHAILENDR KUMAR BODRA	2808	1 st
155	E-01224	SHARMEE GODHULIKA	3002	1 st
156	E-01227	SMARAJIT MISHRA	2957	1 st
157	E-01229	SUBRAT NAYAK	3129	1 st
158	E-01233	SWETA AGRAWAL	3140	1 st
159	E-01235	PATHAK SONALI HARBANSKUMAR	2718	1 st
160	E-01236	VIJENDER SHARMA	2857	1 st
161	E-01237	AJIT KUMAR SAH	2559	1 st
162	E-01238	TUHIN KUMAR GUHA	3110	1 st
163	E-01241	SANDEEP K	3011	1 st
164	E-01242	SUNEEL JADON	3073	1 st
165	E-01244	P VIKRAM	3039	1 st
166	E-01246	BIDUR RAJ GAUTAM	2733	1 st
167	E-01247	AGRAWAL ANUP SUBHASHRAO	2963	1 st
168	E-01248	PRIYANKA GUPTA	2920	1 st
169	E-01249	RAVINDRA WELTURKAR	2629	1 st
170	E-01250	DUDLE HANMANT GANGAPAM	2663	1 st
171	E-01251	APSHANKAR NEERAJ PURUSHOTTAM	2590	1 st
172	E-01252	SAHARE KALYAN PRAKASHRAO	2798	1 st
173	E-01253	VIKAS KUMAR	2722	1 st
174	E-01254	SAHINARA KHATUN	2853	1 st
175	E-01255	ANUP PHILIP ZACHARIAH	2825	1 st
176	E-01256	ABHISHEK SAXENA	2574	1 st
177	E-01258	SANJEEV KUMAR	3002	1 st

176.	E-01259	ASHUTOSH SHUKLA	2730	1 st
178.	E-01261	BALAJI M	2558	1 st
180.	E-01262	BHONDEKAR GANESH NILKANTH	2551	1 st
181.	E-01263	HIRA LAL SINGH	2523	1 st
182.	E-01264	ABHIMANYU KUMAR	2792	1 st
183.	E-01265	SURENDER RAM	2709	1 st
184.	E-01411	RAJIB BHATTA	3119	1 st
185.	E-01231	SUMEDHA SUCHIBRATA SAHU		1 st
186.	E-9209	UMESH MAHAPATRA		1 st
187.	E-01206	BHABESH KUMAR DALAI	2460	2 nd
188.	E-01213	JIJEK SAEAR	2411	2 nd
189.	E-01230	SUKESINI MAJHI	2451	2 nd
190.	E-01266	SANDEEP KUMAR VERMA	2492	2 nd
191.	E-9244	AMIT PATHAK		2 nd
192.	E-9249	APURV ROSHAN KERKETTA		2 nd
193.	E-00267	AMIT XALYO		2 nd
194.	E-01214	JOGESH KUMAR KISAN		2 nd
195.	E-7256	MESHRAM ROSHAN CHANDRAPRAKASH		2 nd
196.	E-9248	PRADEEP SINGH		2 nd
197.	E-9263	JACOB P KOSHY		2 nd
198.	E-00258	RAMTEKE MANISH SHRIPAM		2 nd
199.	E-00251	R.NANDA KUMAR K RAGHU		2 nd
200.	E-8226	THYAGARAJAN M		PASS

ELECTRONICS & INSTRUMENTATION ENGINEERING

201.	A-01705	MANORANJAN SATAPATHY	3503	Hons
202.	A-01701	BASANTA KUMAR DASH	3337	Hons
203.	A-01703	BISWAJIT PATTANAYAK	3295	Hons
204.	A-01707	NARESH KUMAR BHOL	3214	Hons
205.	A-01708	PIPALAYAN NAYAK	3373	Hons
206.	A-01713	SEEIMA MOHANTY	3225	Hons
207.	A-01714	SIMI MOHANTY	3337	Hons
208.	A-01716	SMITA KHANDAI	3371	Hons
209.	A-01717	SUBHRAKANTA MOHARANA	3236	Hons
210.	A-01719	SWAGATIKA PRADHAN	3236	Hons
211.	A-01720	VINOD KUMAR SINGH	3373	Hons
212.	A-01721	ADARSH KUMAR K	3240	Hons
213.	A-01725	MOHIT AGGARWAL	3173	Hons
214.	A-01727	ANUJ GUPTA	3200	Hons
215.	A-01731	ABHISHEK SHARMA	3185	Hons
216.	DA-01734	BINOD BIHARI PANDA	2725	Hons
217.	DA-01735	JYOTI SANKAR SAHU	2950	Hons
218.	A-01122	ASHIM DHAKAL	2885	1 st
219.	A-01702	BIDHAN BHATTACHARJEE	3036	1 st
220.	A-01704	DEBASHISH SAHOO	3000	1 st
221.	A-01705	J V SESA GIRI	3059	1 st
222.	A-01709	PRAKASH CHANDRA PATRA	2660	1 st
223.	A-01710	ROHIT DHARUPTA	2804	1 st
224.	A-01711	S ANAND BHENGRA	2702	1 st
225.	A-01715	SHASHI SHEKHAR	2717	1 st
226.	A-01718	SUJATA KUJUR	2613	1 st
227.	A-01722	SHIRSHENDU ROY	2847	1 st
228.	A-01723	RAJOSREE MALLIK	2720	1 st
229.	A-01724	DEEPAK SHARMA	2709	1 st
230.	A-01726	BIRADAR PRAMOD TRIMBAKRAO	2773	1 st
231.	A-01728	CHATURVEDI ANUJ ARUN KUMAR	2523	1 st
232.	A-01731	PRAKASH E	2582	1 st
233.	A-01732	RAJNISH KUMAR	3017	1 st
234.	A-00701	BHAPATI BHOI		2 nd
235.	A-01733	ANAND KUMAR		2 nd
236.	A-00728	RIPAN KUMAR ACHARIA		2 nd
237.	A-00729	SURENDRA RAY		2 nd

MECHANICAL ENGINEERING

235.	M-01305	AVIJIT ACHARYA	3213	Hons
236.	M-01004	DEEPAK KUMAR PATEL	3288	Hons
240.	M-01011	SANJA SAMIRANA PANDA	3208	Hons
241.	M-01113	SAUMYA RANJAN PANIGRAHY	3233	Hons
242.	M-01304	ANUPAMA DASH	3231	Hons
243.	M-01305	DEBASHRAYA PADHY	3321	Hons
244.	M-01311	INDU SAHOO	3178	Hons
245.	M-01312	KSHIRABDHI TANAYA SAHU	3356	Hons
246.	M-01313	LOKANATH MOHANTA	3561	Hons
247.	M-01314	MAHENDRA KUMAR PARAMANK	3457	Hons
248.	M-01316	MAINTU BAISHYA	3190	Hons
249.	M-01317	NEETU AGRAWAL	3451	Hons
250.	M-01321	PREM PRAKASH DALUA	3199	Hons
251.	M-01326	SABYASACHI SATAPATHY	3451	Hons
252.	M-01327	SATYANARAYAN DAS	3366	Hons
253.	M-01328	SASWAT SAHOO	3450	Hons
254.	M-01332	SISIR KUMAR PANDA	3256	Hons
255.	M-01333	SONALI SWATIKA MISHRA	3317	Hons
256.	M-01334	SUBHANKAR SAHU	3520	Hons
257.	M-01335	SUNAS SAHA	3403	Hons
258.	M-01336	SUNITA PAL	3392	Hons
259.	M-01340	TUSAR KANTA SAHOO	3219	Hons
260.	M-01342	UPEENDRA KUMAR PATHY	3261	Hons
261.	M-01350	INDER JEET SINGH	3286	Hons
262.	M-01360	NASHIS KAFLE	3284	Hons
263.	M-01364	MANEESH SHARMA	3155	Hons
264.	M-01365	VIVEK KUMAR SINGH	3324	Hons
265.	M-01367	PRASHANT KUMAR RAI	3332	Hons
266.	DM-01375	BIDHAN CHANDRA SAHU	2711	Hons
267.	DM-01376	SUDHANSU SEKHAR DAS	2851	Hons
268.	M-01301	ABHIJIT PANDIA	3046	1 st
269.	M-01302	AJHARANI HANSDAH	3052	1 st
270.	M-01306	DILLIP KUMAR MUNDA	2829	1 st
271.	M-01309	GANESH KUMAR KHADIA	2744	1 st
272.	M-01310	GAUTAM SIDDHARTH TALUKDAR	3134	1 st
273.	M-01325	PRASENJIT BASAK	2592	1 st
274.	M-01322	RAJIV RANJAN SINGH	2916	1 st
275.	M-01321	RAJAKANT PRADHAN	2554	1 st
276.	M-01324	ROHIT GARG	2589	1 st
277.	M-01325	RUTUPARNA SARANGI	3133	1 st
278.	M-01329	SHAKTI PRASAD PRADHAN	3091	1 st
279.	M-01330	SHAMPA SARKAR	2908	1 st
280.	M-01331	SHEEPA PANDA	3089	1 st
281.	M-01338	SRIBASTAV MOHAPATRA	2916	1 st
282.	M-01343	V GOPINATH	2640	1 st
283.	M-01344	YUGANTAR GHADAI	2675	1 st
284.	M-01345	SANDEEP ROY	3056	1 st
285.	M-01346	BHUSHAN CHITALEY	3095	1 st
286.	M-01347	RAM MOHAN K	2863	1 st
287.	M-01348	ANSHUL UPADHYAY	2688	1 st
288.	M-01351	DEEPAK K B	2674	1 st
289.	M-01354	DEKARLA BHASKAR RAO	2890	1 st
290.	M-01355	ABHISHEK KUMAR JAIN	2935	1 st
291.	M-01357	OMPRAASAD B	2957	1 st
292.	M-01358	SANJIB KUMAR DEY	2706	1 st
293.	M-01361	PIYUSH UPADHYAY	2952	1 st
294.	M-01366	VIKAS SHARMA	2524	1 st
295.	M-01366	AMIT VERMA	2764	1 st
296.	M-01369	ARUN KUMAR RAI	2976	1 st
297.	M-01370	V KARTHIKEYAN	2660	1 st
298.	M-01372	MD KALAM KHAN	2709	1 st

299.	DM-01374	PRADIPTA RANJAN LENKA	2424	1 st
300.	M-01354	BIKASH KUMAR AGRAWALA	2553	1 st
301.	M-01303	ALOK DHARI SINGH		1 st
302.	M-01315	MANJIT SINGH		1 st
303.	M-01339	T SANTOSH KUMAR		1 st
304.	M-01371	B KARTHIK		1 st
305.	M-01307	DILIP KU BAGE	2503	2 nd
306.	M-01352	AVINASH B	2420	2 nd
307.	M-7358	P RAMESH	2208	2 nd
308.	M-01359	KIRAN N	2406	2 nd
309.	M-01363	SIDDHARTH SHANKAR HAZRA	2444	2 nd
310.	M-9349	SHALEIN CHAUDHAN		2 nd
311.	M-00333	JITENDRA KUMAR MIRDHA		2 nd
312.	M-7345	SWARUP KUMAR CHOUDHURY		2 nd
313.	M-00335	SHANTILATA MAHALI		2 nd
314.	M-2363	SHREEDEEP J MAJUMDER		2 nd

METALLURGICAL & MATERIALS ENGINEERING

315.	T-01412	SOUBHAGYA RANJAN MOHAPATRA	3453	Hons
316.	T-01101	ANURAG MOHANTY	3205	Hons
317.	T-01402	ATULYA PRADHAN	3399	Hons
318.	T-01405	JAGANNATH PATRO	3202	Hons
319.	T-01430	PADHY SMITA	3327	Hons
320.	DT-01435	CHINMAYA KUMAR SARANGI	2784	Hons
321.	T-01802	ARPITA UPADHYAYA	3267	Hons
322.	T-01803	LAGNAJIT PATNAIK	3333	Hons
323.	T-01109	PRANAYA RANJAN DALAI	2952	1 st
324.	T-01407	MANAS KUMAR PANDA	3065	1 st
325.	T-01408	MD CAISAR	3035	1 st
326.	T-01410	PRIYANKA PARIJA	3135	1 st
327.	T-01413	SUMEET CHAMPATIROY	3048	1 st
328.	T-01414	SUPRAVA PRADHAN	3088	1 st
329.	T-01415	SWETAPADMA MISHRA	3017	1 st
330.	T-01416	SANDHYABATI MAJHI	2575	1 st
331.	T-01417	SAROJ KUMAR AMAT	2552	1 st
332.	T-01418	SUNITA DUTTA	2721	1 st
333.	T-01419	TAMANNA ROUTH	3148	1 st
334.	T-01421	ASHISHEK SINHA	2851	1 st
335.	T-01422	PIYUSH MAHESHWARI	3065	1 st
336.	T-01423	GOURAB SEAL	2874	1 st
337.	T-01424	MOHAMMED BASHA TAPPA	2939	1 st
338.	T-01425	YAYATI BHAGWAT	2879	1 st
339.	T-01426	CHIDRAWAR GURURAJ	3070	1 st
340.	T-01427	SANDEEP SINGH	3092	1 st
341.	T-01428	VIJAYENDRA SINGH	3086	1 st
342.	T-01429	VIKASH KUMAR	3068	1 st
343.	T-01431	RAGHAVENDRA MISHRA	2980	1 st
344.	T-01432	CHANDRA DUTT	2785	1 st
345.	T-01433	VISHAL BHARDWAJ	3000	1 st
346.	T-01434	ARUN V	2596	1 st
347.	DT-01437	SUSIL KUMAR SAHOO	2562	1 st
348.	T-01501	AJAY KETAN UPADHYAYA	3050	1 st
349.	T-01505	DEBENDRA KUMAR ROUT	2963	1 st
350.	T-01507	JEETENDRA KUMAR PATH	3002	1 st
351.	T-01508	MAHESWAR BEHERA	3003	1 st
352.	T-01523	SUMIT AGARWAL	2837	1 st
353.	T-01401	ASHRIT KUMAR		1 st
354.	T-01409	PRAVAS RANJAN BEHERA		1 st
355.	T-8435	DEBANANDA BESHRA		2 nd
356.	T-9401	MADHASI LATA BARIHA		2 nd

357	T-55418	SANJITA XESS	2 nd
358	T-5495	SUSHREE SHRABAN MATHA	2 nd

MINING ENGINEERING

359	DN-01529	PRİYADARSHI SANDEEP KUMAR BAL	2910	Hons
360	N-01520	SIVAPRASADSINGH SIRIVELL	3187	Hons
361	N-01502	ANIL KUMAR MARANDI	2730	1st
362	N-01510	MANOJ KUMAR BEHERA	3100	1st
363	N-01512	NILLIP MALIK	2901	1st
364	N-01515	SURJIT SHARMA	2635	1st
365	N-01518	NETIN LADDA	3082	1st
366	N-01521	NURENDRA KUMAR	2952	1st
367	N-01527	B VINOTH	3130	1st
368	N-01528	BENDANGNUKSUNG	3105	1st
369	N-01525	MANISH KUMAR SHARMA		1st
370	N-5307	SANTOSH KUMAR		2nd

M.TECH.

CHEMICAL ENGINEERING (COAL CHEMICALS AND FERTILIZER)

371	20300003	SUJATA DEVI
372	20300006	BASANT KUMAR SAHOO
373	20300004	AMBATI KIRANKUMAR
374	20300008	SWAYAMHUBA MISRA
375	20300007	LOPAMUDRA PANDA
376	20300002	MANISH KUMAR

CIVIL ENGINEERING (STRUCTURAL ENGINEERING)

377	20301001	SRIJIVASKIRANK
378	20301002	TARAKANT DWIVEDI
379	20301003	MATRUPRASAD BEHERA
380	20301004	BUTCHESWARA RAO PANDI
381	20301005	NIGAMANANDA ADHIKARI
382	20301006	SHARIMISTHA DAS

CIVIL ENGINEERING (SOIL MECHANICS & FOUNDATION ENGINEERING)

383	20301015	BIRANCHI NARAYAN PANDA
384	20301011	BHASKARA RAO
385	20301012	SATYAJIT PATEL
386	20301013	BHANU SHANKAR SAHOO
387	20301014	R VENUGOPAL
388	20301015	BINAYA KUMAR PANIGRAHI

CIVIL ENGINEERING (SOIL MECHANICS & FOUNDATION ENGINEERING) (PART TIME)

389	2000MEC(PT)SMFE-03	DEBASHIS MAHAPATRA
390	2002MEC(PT) SMFE-04	UMA CHARAN PADHY
391	2000MEC(PT) SMFE-01	UJJALESWAR BEHERA

ELECTRICAL ENGINEERING (ELECTRONIC SYSTEMS & COMMUNICATION)

392	20302004	DURGARAO MEKA
393	20302001	ACHINTA PRADHAN
394	20302002	PRAKASH CHANDRA TAP
395	20302003	B RAVEENDAR
396	20302005	TAPANI SEN MAHANTA
397	20302006	ARJUNA RAO ANUKU
398	20302008	SATYAERAT BISWAL
399	20302009	SWAGATIKA SAHOO
400	20302010	HARISH KUMAR SAHOO
401	20302011	JANMEJAYA PANDA
402	20302007	HARI NARAYAN PRATIHARI

ELECTRICAL ENGINEERING (INDUSTRIAL POWER CONTROL & DRIVES) (PART-TIME)

403	2000MEE(PT)-004	PURAJIT MISHRA
404	MEE(PT)-07	SUSANTA KUMAR PATNAIK

MECHANICAL ENGINEERING (PRODUCTION ENGINEERING)

405.	20303004	SOMA SEKHAR K
406.	20303001	DWIVEDI MAHESHWAR
407.	20303003	GANESH MALLA
408.	20303005	DEVASMITA GANTAYET
409.	20303007	VINAY KUMAR
410.	20303008	MANABHANJAN SAHOO
411.	20303009	POTHURU SOMASEKHAR
412.	20303010	NAGASURI SREERAMAABRAHMAN
413.	20303012	SMRUTI RANJAN MOHANTY
414.	20303013	AMAR PATINAJK
415.	20303014	MANASI MANJARI MOHANTY

COMPUTER SCIENCE & ENGINEERING (COMPUTER SCIENCE)

416.	20306007	AJAYA KUMAR NAYAK
417.	20306002	K E RAJA RAMAN
418.	20306003	CH VIJAYKRISHNA
419.	20306004	MISTRY ASHOKKUMAR VRAJLAL
420.	20306005	VAMSI KRISHNA PEDDINA
421.	20306006	KALAGA GAYATRI
422.	20306008	DILLIP RANJAN NAYAK
423.	20306009	RAJAKALYAN RAM SUNKARA
424.	20306010	KUNDURTHY SUJATHA
425.	20306011	DEBASISH ROUL

ELECTRONICS & INSTRUMENTATION ENGINEERING (TELEMATICS & SIGNAL PROCESSING)

426.	20307007	SHAKTI PRASAD RATH
427.	20307001	PRIYABRATA NAYAK
428.	20307002	KESHAVA REDDY YASA
429.	20307003	RASHMITA MISHRA
430.	20307004	ABHILASHA SAKALKAR
431.	20307005	ARUN KUMAR PANDA
432.	20307006	ANUBHAV SINHA
433.	20307008	NIHAR RANJAN PANDA
434.	20307009	SUDHANSU KUMAR MISHRA
435.	20307010	SANGEETA SAHOO
436.	20207357	RASHMI ROUTRAY

M.Sc.

APPLIED MATHEMATICS

437.	40302001	SHAKUNTALA PANDA	764	1 ST
438.	40302002	AMIT KUMAR ACHARYA	632	1 ST
439.	40302003	TAPASWINI MAHAPATRA	521	2 ND
440.	40202050	RUPALI KUMARI JENA		2 ND

CHEMISTRY

441.	40301001	RUDRA PRASANNA NAYAK	798	1 ST
442.	40301002	ARUNDHATI NAYAK	785	1 ST
443.	40301006	SANGRAM KESHARI DASH	760	1 ST
444.	40301005	DILLIP KUMAR BHADRA	772	1 ST
445.	40301004	SUPRIYA NAYAK	749	1 ST
446.	40301003	DEEPAK BEHERA	721	1 ST
447.	40301007	SAROJA KUMAR BARIK	629	1 ST
448.	40301008	MAHESWATA PANDA	602	1 ST

PHYSICS

449.	40300002	ARUNDHATI CHAKRABARTI	812	1 ST
450.	40300001	PAYAL GUPTA	755	1 ST
451.	40300003	SATYAJIT SAHU	740	1 ST
452.	40300004	NIROJ KANTA RAUT	696	1 ST
453.	40300005	SHIBASISH MISHRA	668	1 ST
454.	40300006	SHAILABALA PANDA	775	1 ST
455.	40300007	BAISAKHI CHATTERJEE	652	1 ST

456.	40300008	SUNITA PRADHAN	770	1 ST
457.	40300009	CHAUDHURI DEBASHISA JENA	710	1 ST
458.	40300010	HIRANIMAYEE DASH	700	1 ST
459.	40300011	ILA SINGH	714	1 ST
460.	40300012	V. LAVANYA	702	1 ST

MASTER IN COMPUTER APPLICATIONS

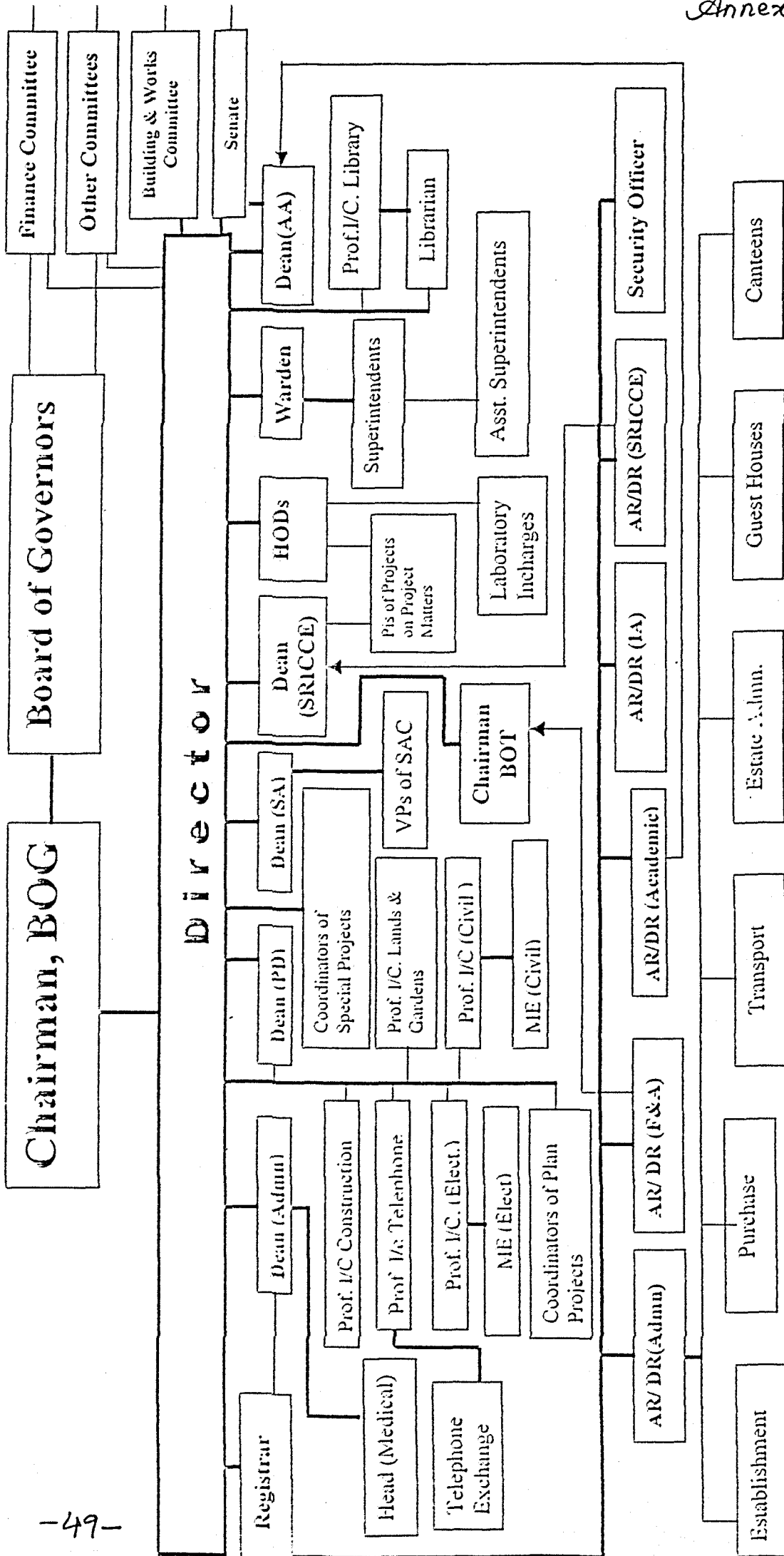
461.	02CA-18	PRADEEP KUMAR DEY		1 ST
462.	02CA-01	AMRIT PAJ		1 ST
463.	02CA-02	AMIT KUMAR UPADHAYAY		1 ST
464.	02CA-03	ABRAHAM EKKI.		1 ST
465.	02CA-04	ALOK KUMAR SONU		1 ST
466.	02CA-05	AJIT KUMAR SAHU		1 ST
467.	02CA-06	ARCHANA MOHANTY		1 ST
468.	02CA-07	BISWAJEET PANDAB		1 ST
469.	02CA-08	CHINIMAYA KUMAR PAHI		1 ST
470.	02CA-09	DEVENDRA ANURAG		1 ST
471.	02CA-10	JAINMEJAYA PANDA		1 ST
472.	02CA-11	MOHAMAD JAHANGIR		1 ST
473.	02CA-12	MANAS RANJAN DAS		1 ST
474.	02CA-13	MRITUNJAY KUMAR		1 ST
475.	02CA-14	NIHARIKA PRADHAN		1 ST
476.	02CA-15	NILANJAN LAHIRI		1 ST
477.	02CA-16	PANKAJ MISHRA		1 ST
478.	02CA-19	PITAMBAR MINZ		1 ST
479.	02CA-20	ROSHAN KUMAR		1 ST
480.	02CA-21	RITU RANJAN		1 ST
481.	02CA-23	SIBARANJAN PATTNAYAK		1 ST
482.	02CA-24	SASWATI DASH		1 ST
483.	02CA-26	SUMITA DAS		1 ST
484.	02CA-27	SUMIT RANJAN		1 ST
485.	02CA-28	VIKASH SHARMA		1 ST
486.	02CA-29	VIVEK KUMAR		1 ST
487.	02CA-30	VARUN DIXIT		1 ST
488.	30200017	PRADEEP KUMAR KAR		1 ST
489.	30200022	RANJAN KUMAR SINHA		1 ST
490.	30200025	SANGHAMITRA BEHERA		1 ST

Ph.D.

491.	DR.SUKADEV MEHER. APPLIED ELECTRONICS & INSTRUMENTATION ENGG.
492.	DR.(MRS.) ABANTI SAHOO, CHEMICAL ENGINEERING
493.	DR.(MRS.) SUSMITA DAS, ELECTRICAL ENGINEERING
494.	DR.PRAKASH CHANDRA MISHRA, CHEMISTRY
495.	DR.SHRIKANTA NAIK, CHEMISTRY

ANNEXURE-4

National Institute of Technology, Rourkela



POWER, DUTIES & RESPONSIBILITIES

Director

1. Subject to the budget provisions made for the specific purpose, the Director shall have the power to incur expenditure in accordance with the procedure as may be laid down by the Board from time to time.
2. The Director shall have the power to employ technicians on short-term contract basis within the overall budgetary allocation of the Institute and with the approval of the Finance Committee.
3. The Director shall have the power to send members of the staff for training or for a course of instruction inside India, subject to such terms and conditions as may be laid down by the Board from time to time.
4. The Director shall have the power to sanction, remission or reduction of rents for building rendered whole or partially unsuitable
5. The Director shall have the power to sanction temporary allocation of any building for any purpose other than that for which it was constructed.
6. The Director shall have the power of a Head of Department for purpose of Rules in the Account Code, the Fundamental and Supplementary Rules and other Rules of the Government in so far as they are applicable or may be made applicable to the conduct of the business of the Institute.
7. If for any reason the Registrar is temporarily absent for a period not exceeding one month, the Director may take over or assign to any member of staff of the Institute any of the functions of the Registrar as he deems fit. Provided that if at any time the temporary absence of the Registrar exceeds one month, the Board may, if it thinks fit, authorize the Director to take over or assign the function of the Registrar as aforesaid, for a period exceeding one month.
8. All contracts for and on behalf of the Institute except the one between the Institute and the Director shall when authorized by a resolution of the Board passed in that behalf be in writing and be expressed to be made in the name of the Institute and every such contract shall be executed on behalf of the Institute by the Director, but the Director shall not be personally liable in respect of anything under such contract.
9. The Director may, during his absence from headquarters, authorize one of the Deans or the senior most Professor present, to sanction advances for traveling allowance, contingencies and medical treatment of the staff and sign and counter sign bills on

his behalf and authorize him for assuming such powers of Director as may be specially delegated to one of the Deans or the senior most Professor present by him in writing.

10. The Director may, at his discretion, constitute such Committee as he may consider appropriate.
11. In the event of the occurrence of any vacancy in the office of the Chairman by reason of his death, resignation or otherwise or in the event of the Chairman being unable to discharge his function owing to absence, illness or any other cause, the Director may discharge the functions assigned to the Chairman under rule-8.
12. The Director may, with the approval of the Board delegate any of his powers, responsibilities and authorities vested in him by the MOA and Rules to one or more members of academic or administrative staff of the Institute.

Registrar

1. The Registrar of the Institute shall be appointed on such terms and conditions as may be laid down by the Rules and shall be the custodian of records, the common seal of the Institute and such other property of the Institute as the Board shall commit to his charge.
2. The Registrar shall Act as the Secretary of the Senate, Finance Committee, Building & Works Committee, Management Committee, D.P.C., Grievance Committee, Special Invitee (BOG) and such Committees as may be prescribed by the Rules.
3. The Registrar shall be responsible to the Director for the proper discharge of his functions as decided by him from time to time.
4. The Registrar shall exercise such other powers and perform such other duties as may be assigned to him by this MOA/ Rules/ the Director.
5. He will assist the Director in the routine administrative matter.
6. He will be assisted by the Asst.Registrar/ Dy.Registrar(Admn.), Asst. Registrar/Dy. Registrar(F&A), Asst. Registrar/ Dy. Registrar (Aca.), Asst. Registrar/ Dy. Registrar (IA), Asst. Registrar/Dy. Registrar(SRICCE) and Security Officer.

Dean (Academic Affairs)

1. He will be responsible for all matters related to the admission and enrolment of all students including Ph.D. scholars and part-time students, if any, subject to the policies and procedures laid down by the Senate.
2. He will be responsible for finalization of the academic calendar, time-tables, registration of students for course work and examinations, class-room arrangements and all other requirements for proper conduct of the class work.
3. He will be responsible for the conduct of class tests and semester examinations, for coordination of sessional evaluations, and for ensuring the timely declaration of results.
4. He will supervise the maintenance of up-to-date academic record of all categories of students and make them available to the Senate when necessary.
5. He will arrange for the issue of all academic certificates, medals and prizes students.
6. He will be responsible for the publication and distribution of the Institute prospectus and syllabi.
7. He will assist the Director in organizing meetings of all the Institute-level academic bodies and to liaise with the university and other academic Institutions.
8. He will assist the Director in formulating proposals for new courses and in organizing meetings of faculty members and external experts for this purpose.
9. He will assist the Director in the efforts to expand and monitor research activities of the Institute .
10. He will assist the Director in conducting convocation and Senate Meeting in the Institute.
11. He will be responsible for organizing programmes on Educational Technology, Development of Educational Aids and other Learner-Resource material.

Asst. Registrar (Academic), shall assist the Dean(AA) in the above matters.

Dean (Planning and Development)

1. He will assist the Director in planning the expansion and diversification of the institutional activities and preparation of all developmental proposals.
2. He will assist the Director in monitoring the physical targets and utilization of funds in respect of all plan and other developmental schemes and in the preparation of the relevant papers for submission of progress reports.
3. He will be responsible for organization of the Buildings and Works Committee meetings. He will, on behalf of the Director, oversee all works of the Institute – Civil construction and Maintenance, Electrical Construction & Maintenance, Lawns and Guerdons. He will be assisted by Committees created for each item.
4. He will on behalf of the Director oversee Purchase and Maintenance of Institute assets such as Refrigeration and Aircondition systems, telephone systems and equipment of similar nature.
5. He will assist Director in installation / maintenance of computers, network and telephone systems .
6. He will assist Director in monitoring major capital works in the campus.
7. He will be Chairman of Institute Works Committee.
8. He will assist the Director in the supervision of the maintenance works of buildings, roads, water supply, sanitation, lawns and gardens, water coolers, air conditioners etc.
9. He will assist the Director in processing the purchase of equipment under non-recurring Plan Grants.

The Accounts Officer will assist the Dean (Planning and Development) in the matters relating to grants, budget and financial reports.

Dean (Students Affairs)

1. He will assist the Director in organization the students counseling and advertisement activities.
2. He will be responsible for the publication of students magazines, news bulletins, newsletters, souvenir etc.
3. He will assist the Director in matters related to student discipline.
4. He will assist the Director in matters relate to the students Association/ Staff Students Consultative Committee and other extra curricular association.
5. He shall have the power on behalf of the Director for sanction/ renewal of scholarships and shall be responsible for over-seeing the disbursement of scholarships, stipends, loans welfare fund, aid etc to students.
6. He will overall coordinate the NCC, NSS, games, sports, cultural and other co-curricular and extra-curricular activities of students.
7. He will correspond with Parents / Guardians of students about their progress and individual problems/ welfare.
8. He will issue the certificates of conduct of the students.
9. The Dean will be assisted by the Asst. Registrar (Academic); the various Vice-presidents and Co-vice presidents of the students Activity Centre. The Dean will be in constant coordination with the Warden and the Superintendents of the Halls.

Dean (Administration)

1. He will assist the Director in matters related to the deputation of staff for conference, seminars, short-term courses, training programmes, foreign teaching assignments etc.
2. He will assist the Director in processing the purchase of equipment for the academic departments under recurring grants.
3. He will assist the Director in matters related to management of Dispensary, shopping complex, staff clubs, auditorium etc.
4. He will have the power to sanction leave to the members of the teaching staff and will assist the Director in other routine administrative matters like sanction of increments, medical bills, miscellaneous payments etc. as per established procedures.
5. He will assist Director in introducing and supporting office automation.
6. He will assist the Director in organizing training programmes for Class-III and IV staff.
7. He will be responsible for the preparation and submission of the Annual Report of the Institute and other progress reports to be sent to the governmental bodies.
8. He will assist the Director for recruitment and promotion of class III and class IV employees.

The Dean(Admn.) will be assisted by the Registrar and DR/AR(Admn.)in discharging of the duties.

Dean (SRICCE)

1. He will assist Director in all matters related Sponsored Research Continuing Education and Industrial Consultancy.
2. He will assist the Director in day to day administration of sponsor research, consultancy, and continuing education programme.
3. He will assist the Director towards the growth of sponsor research, consultancy, and continuing activities of the Institute.
4. He will assist the Director for both general and financial administration of all projects and send appropriate annual reports to sponsors.
5. He will assist the Director in supervise Industry-Institute Partnership Cell.
6. He will assist the Director for administration of NTMIS Nodal Centre and EDP Centre
7. He will assist the Director in coordinating the formulation and conduct of non-formal and continuing and extension programmes.
8. He will assist the Director in the efforts to expand and monitor the research, development consultancy and Industry Interaction activities of the Institute and to ensure submission of progress reports as well as final accounts to the sponsors.

Dean (SRICCE) will be assisted by AR/DR (SRICCE).

Asst. Registrar/ Dy. Registrar (Admn.)

He will be responsible for Establishment, Recruitment, Purchase, Transport, House allotment, Guest House, Canteens .

He will report to Registrar

Asst. Registrar/ Dy. Registrar (F & A)

He will responsible for Accounts, Budget, Audit, Board of Trusty (as Secretary).

He will report to Registrar

Asst. Registrar/ Dy. Registrar (Academic)

He will be responsible for Admission of Under Graduate & Post graduate courses, B.Tech / M.Tech. / M.Sc./ Ph.D., Scholarship ,Issue of Provisional Certificate, Conduct Certificate, Studentship Certificate etc. ,Convocation, All Academic matters.

He will report to Registrar and assist Dean (AA)

Asst. Registrar/ Dy Registrar (IA)

He will be responsible for Audit of all departments, Physical Store Verifications, Auction and disposal, Vetting, Coordination with CAG Audit.

He will report to registrar.

Asst. Registrar/ Dy. Registrar (SRICCE)

He will be responsible for Accounts, Project works, Vetting, and Coordinate with CAG Audit

He will report to Registrar and will assist Dean (SRICCE)

Security Officer

He will be responsible for Overall Administration of Security personnel inside the Campus and Processing of Security contracts (New/ Renewal).

He will report to Registrar

ANNEXURE-5



**National Institute of Technology
Rourkela**

PROPOSED PAY STRUCTURE AND QUALIFICATIONS FOR NON-TEACHING POSTS (GROUP B, C and D)

I Entry Level Group D Posts

Sl. No.	Post (Entry level)	Pay scale	Qualification and Experience as per existing norms
1.	Unskilled Worker	Rs. 2550-55-2660-60-3200/-	VIII th standard pass with preferably one year of relevant experience [All group D personnel without Matric certificate will start from this grade; No new appointment will be made under this category; No new appointment without a Matric qualification].
2.	Security Guard/ Attendant Gr.II/Mali	Rs. 2650-65-3300-70-4000/-	X th standard pass with one year of relevant experience. For Security Guard positions Preference will be given to persons having training in Army or Para military Services & possessing a valid Armed License. All group D personnel with Matric pass will start from this grade.

II Promotional Scales in Group D

Starting Scale	First Promotion	Second Promotion
Unskilled Worker	Security Guard / Attendant Gr.II/ Mali	Senior Security Guard / Attendant Gr.I / Senior Mali
Rs. 2550-55-2660-60-3200/-	Rs. 2650-65-3300-70-4000/-	Rs.2750-70-3800-75-4400/-
Security Guard / Attendant Gr.II/ Mali	Senior Security Guard / Attendant Gr.I / Senior Mali	Security Guard (SG) / Attendant (SG) / Mali (SG)
Rs. 2650-65-3300-70-4000/-	Rs.2750-70-3800-75-4400/-	Rs.3050-75-3950-80-4590/-

III Entry Level Group C posts.

Sl. No.	Post (Entry level)	Pay Scale	Qualification and Experience
1.	Junior Assistant	Rs.3200-85-4900/-	Bachelor Degree with a minimum Typing speed of 40 w.p.m. and proficiency in Computer Word Processing.
2.	Stenographer	Rs.4000-100-6000/-	Bachelor Degree with minimum speed in short hand 80 wpm and minimum typing speed of 40 wpm. Proficiency in Computer/Word Processing with advanced skills is essential.
3.	Mechanic	Rs.3200-85-4900/-	Diploma in Engineering of 3 years duration in appropriate field OR B.Sc. Degree in appropriate field OR Senior Secondary (10+2) and ITI Course of 12 months duration in appropriate trade OR Matric with First Division + ITI Certificate of 12 months duration in appropriate trade +2 years work experience in any trade. The duty of a mechanic will not be limited to any particular trade, but will cover all trades necessary in the laboratory/shop he is attached to. Age : upto 28 years with 5 years relaxation for Government employees and SC/ST candidates.
4.	Laboratory Assistant	Rs.3200-85-4900/-	Diploma in Engineering of 3 years duration of appropriate field / B.Sc. Degree in appropriate field. Age : upto 28 years with 5 years relaxation for Government employees and SC/ST candidates.
5.	Work Assistant	Rs.3200-85-4900/-	Diploma in Civil, Electrical or Electronic Engineering of 3 years duration.
6.	Telephone Operator Gr.II	Rs.3200-85-4900/-	Bachelor Degree in Science, Commerce or Arts, or Diploma in engineering with some knowledge of digital PABX and PC and some proficiency in speaking English and Hindi and local Language and capable of general enquiry and message handling.
7.	Driver Gr. II	Rs.3050-75-3950-80-4590/-	Senior Secondary (10+2) OR Matric + ITI pass with license for both heavy and light duty vehicles with 4 years of driving and maintenance experience.

IV List of Posts available to Group 'C' staff on promotion

Post at time of entry	(Salary scale)	Post on promotion	ACP-I	ACP-II
Junior Assistant	Rs. 3200-85-4900/-	Senior Assistant	4000-100-6000/-	5000-150-8000/-
Stenographer	Rs. 4000-100-6000/-	Senior Stenographer	5000-150-8000/-	5500-175-9000/-
Mechanic	Rs. 3200-85-4900/-	Senior Mechanic	4000-100-6000/-	5000-150-8000/-
Laboratory Assistant	Rs. 3200-85-4900/-	Senior Lab. Assistant	4000-100-6000/-	5000-150-8000/-
Driver Gr.II	Rs. 3050-75-3950-80-4590/-	Driver Gr.I	4000-100-6000/-	5000-150-8000/-

Senior
V Entry Level Group B Posts *posts* **[In some cases, entry is to a group C post, but becomes group B on promotion]**

Sl. No.	Post (Entry level)	Pay scale	Qualification and Experience
1.	Junior Administrative Officer (on contract only, upto 5 years maximum)	Rs. 6500-200-10500/-	A first class masters degree in Arts/Science/Commerce/Law or Bachelor degree in Engineering with excellent Academic record. Desirable: Degree in Management and ability to supervise computerized administration with innovative approach; Knowledge of financial management and accounting practices.
2.	Junior Scientific Officer	Rs. 6500-200-10500/-	Fresh B.Tech or MSc in any branch of science or engineering with consistently first class career.
3.	Asst. Engineer	Rs. 6500-200-10500/-	First class B.E./ B.Tech degree in Electrical/Electronic/Civil Engineering. Experience in high tension and low tension lines, electrical maintenance planning for Engineer (Electrical) or Civil Engineering, Designing and Estimation, Construction Management, Civil Maintenance for Engineer (Civil) is desirable.
4.	Assistant Superintendent/ Accountant	Rs. 5000-150-8000/-	Masters Degree with 2 years experience as UDC OR Bachelor Degree with 4 years experience as UDC or equivalent post/scale. For the post of Accountant, experience may be relaxed to 2 years for candidates with B.Com.(Hons.) with Accountancy as a special subject, or a Chartered or Cost Account's Degree or Diploma. Knowledge of Computer/Word Processor is desirable. Age : upto 30 years with 5 years relaxation for Government employees and SC/ST candidates.
5.	Secretary Gr.II	Rs. 5000-150-8000/-	Masters Degree in Commerce, Science or Arts with OR Bachelor Degree 2 years of experience as Stenographer OR A Bachelor Degree with professional Diploma/certificate in Secretarial Practice. Minimum speed of 100 wpm in shorthand and 40 wpm in typing in all cases. Knowledge of Computer/Word Processor is desirable.
6.	Technical Assistant (Laboratory, Workshop, drafting, telephones or engineering supervision, any other)/Jr. Engineer (equivalent)	Rs. 5000-150-8000/-	Masters Degree in Science OR Bachelor Degree in Engineering OR Bachelor Degree in Science with 4 years experience as Laboratory Assistant or equivalent OR Diploma in Engineering in appropriate field with 4 years experience as Mechanic or equivalent. Age : upto 30 years with 5 years relaxation for Government employees and SC/ST candidates.
7.	Library Information Assistant	Rs. 5000-150-8000/-	Bachelors Degree in Arts/Science/Commerce plus Bachelors Degree in Library Science with minimum 2 years experience. Age : upto 28 years with 5 years relaxation for Government employees and SC/ST candidates.
8.	Physical Training Instructor Gr.II	Rs. 5500-175-9000/-	Masters Degree in Physical Education with 1 year of relevant experience. OR Bachelor Degree in Physical Education with 3 years of relevant experience.

9.	Security Officer	Rs. 6500-200-10500/-	Graduate in any discipline with 3 years experience in supervisory capacity in Police or big Security Organization. Should have Military or NCC and Fire Fighting Training. Should be able to ride Motor Cycle and handle Fire Arms and having sound health and active habits. Age : upto 30 years with 5 years relaxation for Government employees and SC/ST candidates.
10.	Senior Security Officer	Rs. 8000-275-13500/-	Graduate in any discipline with 10 years experience in supervisory capacity in Police or big Security Organization. Should have Military or NCC and Fire Fighting Training. Should be able to ride Motor Cycle and handle Fire Arms and having sound health and active habits.
11.	Pharmacist	Rs. 4500-125-7000/-	Senior Secondary School (10+2) with 2 years Diploma in Pharmacy and Registration from Pharmacy Council with 2 years of relevant experience.
12.	Horticultural Assistant	Rs. 5000-150-8000/-	Bachelor Degree in Agriculture with 3 years of relevant experience.
13.	Sanitary Inspector	Rs. 5000-150-8000/-	Bachelor Degree in Science with Diploma in Public Health and Sanitation OR Senior Secondary School (10+2) with Diploma in Public Health and Sanitation with 4 years of relevant experience.

VI List of Posts available to Group B or Senior Group C staff on promotion

Post at time of entry	(Salary scale)	Post on promotion	ACP-I	ACP-II
Asst. Engineer	Rs. 6500-200-10500/-	Asst. Executive Engineer	Rs. 8000-275-13500/-	Rs. 10000-325-15200
Assistant Superintendent/Accountant/Sr. Stenographer Gr. I	Rs. 5000-150-8000/-	Superintendent (General/Accounts/Cash/ stores)/Sr. Stenographer (SG)	Rs. 5500-175-9000/- 6500 - 10500	Rs. 6500-10500/- 7500 - 12000
Secretary Gr. II	Rs. 5000-150-8000/-	Secretary Gr. I	Rs. 5500-175-9000/-	Rs. 6500-10500/-
Technical Assistant	Rs. 5000-150-8000/-	Senior Technical Assistant	Rs. 5500-175-9000/-	Rs. 6500-10500/-
Technical Assistant (Library)	Rs. 5000-150-8000/-	Senior Technical Assistant (Library)	Rs. 5500-175-9000/-	Rs. 6500-10500/-
PTI Gr. II	Rs. 5500-175-9000/-	PTI Gr. I	Rs. 6500-200-10500/-	Rs. 7500-12000/-
Pharmacist	Rs. 4500-125-7000/-	Senior Pharmacist	Rs. 5500-150-8000/-	Rs. 6500-9000/-
Horticulture Assistant Gr. II	Rs. 5000-150-8000/-	Horticulture Assistant Gr. I	Rs. 5500-175-9000/-	Rs. 6500-10500/-
Sanitary Inspector - II	Rs. 5000-150-8000/-	Sanitary Inspector-I	Rs. 6500-175-9000/-	Rs. 7500-10500/-
Security Officer	Rs. 6500-200-10500/-	Senior Security Officer	Rs. 7500-12000/-	Rs. 8000-13500/-

VII Consolidated salaries for staff employed in Sponsored Projects and other Contract Appointments

1.	All Scientific Officers	[Pay + DA] converted to consolidated remuneration	Same as for regular posts of the Institute
2.	Project Assistants	[Rs. 5000-8000/- + prevailing DA] converted to consolidated remuneration	Same as for Technical Assistant selected on basis of open advertisement over a wide area around the country
3.	Jr. Project Assistants	[Rs. 3200-4900/- + prevailing DA] converted to consolidated remuneration	Same as for Mechanic; selected on basis of open advertisement over a wide area around the country
4.	Job Assistants	Rs. 3000-6000/- consolidated (No DA)	Graduate in Arts/Science/Commerce, Diploma in Engg. or Matric with ITI certificate selected through local advertisement.



**National Institute of Technology
Rourkela**

PAY STRUCTURE, QUALIFICATION & EXPERIENCES AT ENTRY LEVEL OF GROUP A POSTS

Sl. No.	Post (Entry level)	Pay Scale	Qualification and Experience as per existing norms
1.	Scientific Officer, Gr. II / Research Engineer, Gr. II	Rs. 8000-275-13500/-	B.Tech in any branch of Engineering OR M.Sc. in any branch of Science with First class (or 6.5 CGPA) with 2 years experience in the relevant field.
2.	Scientific Officer, Gr. I / Research Engineer, Gr. I	Rs. 10000-325-15200/-	Ph.D. degree in any branch of Engineering or Science with First class at B.Tech or MSc level OR M.Tech with 5 years of experience in the relevant field.
3.	Sr. Scientific Officer / Sr. Research Engineer	Rs. 12000-375-18000/-	Ph.D. with 1 st class or equivalent at B.Tech/M.Sc level in the appropriate branch with excellent academic record throughout and at least 3 years industrial or research experience in the relevant area OR M.Tech with 1 st class or equivalent at B.Tech/M.Sc level in the appropriate branch with excellent academic record throughout and at least 8 years industrial or research experience in the relevant area
4.	Principal Scientific Officer/ Principal Research Engineer	Rs. 14300-400-18300/-	Ph.D. with 1 st class or equivalent at B.Tech/M.Sc. level in the appropriate branch with excellent academic record throughout and a minimum of 8 years of experience of which at least 3 years should be at the level of Sr. Scientific Officer/ Sr. Research Engineer or equivalent.
5.	Chief Scientific Officer/ Chief Research Engineer	Rs. 16400-500-22400/-	Ph.D. with 1 st class or equivalent at B.Tech/M.Sc. level in the appropriate branch with excellent academic record throughout and a minimum of 15 years of experience of which at least 8 years should be at the level of Sr. Scientific Officer/ Sr. Research Engineer or higher
6.	Assistant Librarian	Rs. 8000-275-13500/-	Post Graduate degree in Library Science/Information Science/ Documentation or an equivalent professional degree with at least 60% marks or equivalent grade and a consistently good academic record. OR a post graduate degree in Arts/ Science/ Commerce or equivalent with at least 60% marks or its equivalent grade (6.5 out of 10) with bachelor's degree in Library Science/ Information Science/ Documentation or an equivalent professional degree with at least 60% marks or its equivalent grade plus a consistently good academic record.

7.	Dy. Librarian	Rs. 12000-375-18000/-	<p>Post Graduate degree in Library Science / Information Science / Documentation with at least 60% marks or equivalent grade and a consistently good academic record. One year specialization in the area of Information technology/Archives and Manuscript keeping or Master's degree in an area of thrust in the Institution. At least 8 years' experience as Assistant Librarian in a University Library or a College Library. Evidence of innovative library service and organization of published work.</p> <p>Desirable: M.Phil/Ph.D. in Library Science/ Information Science/ Documentation / Archives and Manuscript keeping.</p>
8.	Librarian	Rs. 16400-500-22400/-	<p>Post graduate degree in Library Science/Information science/ Documentation with at least 60% marks or equivalent grade and a consistently good academic record. One year specialization in the area of information technology/Archives and Manuscript keeping/Database management system. At least 10 years' experience as Deputy Librarian in a University Library. Evidence of innovative library service and organization of published work.</p> <p>Desirable: M.Phil/Ph.D. in Library Science/ Information Science/ Documentation/ Archives and Manuscript keeping.</p>
9.	Assistant Registrar	Rs. 8000-275-13500/-	<p>A first class masters degree in Arts/Science/Commerce/Law or Bachelor degree in Engineering with excellent Academic record. At least 5 years of Administrative experience in a major educational or R & D Institution, Public Sector undertaking, Bank, Govt. or Industry is essential.</p> <p>Desirable: Degree in Management and ability to supervise computerized administration with innovative approach; Knowledge of financial management and accounting practices.</p>
10.	Deputy Registrar	Rs. 12000-375-18000/-	<p>A first class masters degree in Arts/Science/Commerce/Law/Business Administration or Bachelor degree in Engineering with excellent Academic record. At least 10 years of Administrative experience in a major educational or R & D Institution, Public Sector undertaking, Bank, Govt. or Industry is essential, out of which at least 5 years should be at the level of Assistant Registrar (Rs. 8000-275-13500/-) or equivalent. Candidates with degrees in Commerce / Business Administration or Chartered or cost account's degree or diploma will be given preference for the post of Dy Registrar (F & A).</p> <p>Desirable: Degree in Management/Law and ability to supervise computerized administration with innovative approach; Knowledge of financial management and accounting practices.</p> <p>Age : upto 45 years.</p>

11.	Registrar	Rs. 16400-500-22400/-	First class Bachelor degree in Engineering or Masters degree in Science/Commerce /Arts with excellent academic record. At least 15 years administrative experience in a major educational or R & D institution, public sector undertaking, bank, Government or industry, out of which at least 8 years should be at the level of Dy Registrar (Rs 12000-375-18000/-) or equivalent, is essential.
			Desirable: Degree in Management/Law and ability to supervise computerised administration with innovative approach; Knowledge of financial management and accounting practices.
12.	Asst. Executive Engineer	Rs. 8000-275-13500/-	First class B.E./ B.Tech degree in Electrical/ Civil Engineering with 3 years' experience in reputed Organization. Experience in high tension and low tension lines, electrical maintenance planning for Engineer (Electrical) or Civil Engineering, Designing and Estimation, Construction Management, Civil Maintenance for Engineer (Civil).
13.	Executive Engineer	Rs. 10000-325-15200	First class B.E./ B.Tech degree in Electrical/ Civil Engineering with 7 years' experience in reputed Organization. Experience in high tension and low tension lines, electrical maintenance planning for Engineer (Electrical) or Civil Engineering, Designing and Estimation, Construction Management, Civil Maintenance for Engineer (Civil).
14.	Superintending Engineer	Rs. 14300-400-18300/-	First class B.E./ B.Tech. degree in Civil or Electrical Engineering, with a minimum total experience of 10 years out of which at least 6 years should have been as Executive Engineer or Resident-Engineer-in-Charge in PWD/CPWD/Railways/ Defence organizations.
15.	Medical Officer	Rs. 8000-275-13500/- plus NPA benefit @ 25% of basic pay and free unfurnished accommodation	MBBS with a minimum of 60% marks or equivalent from a recognized University. Preference will be given to candidates having post graduate degree in General Medicine/ Cardiology/ Surgery/ Pediatrics/ Gynecology with at least 3 years' experience in a reputed hospital in Government/ PSU/ Private Sector.
16.	Senior Medical Officer	Rs. 10000-325-15200/- Plus NPA benefit @ 25% of basic pay and free unfurnished accommodation	MD in General Medicine/ Cardiology/ Pediatrics with at least 5 years' experience in a reputed hospital in Government/ PSU/ Private Sector. Candidate should have 60% marks in MBBS degree recognized by the Medical Council of India.
17.	Chief Security Officer	Rs. 10000-325-15200	Bachelor's degree with at least 5 years' experience in the capacity of major or equivalent rank in defence/ police organization. Should be well versed with Security rules and procedure to deal with Police and General Public. Knowledge of fire fighting is desirable. The requirement of Bachelor's degree will not be insisted in the case of candidates who joined Armed Forces through NDA.



National Institute of Technology, Rourkela

Method of Selection for all non-teaching posts, including technical, ministerial and supporting posts, but excluding all group A posts

Mode	Trade Test	Career	Relevance of Experience and special skills	Interview (Personality, Attitude, confidence, Communication)	Total
Marks	50	20	10	20	100

Experience measured in terms of number of years shall bear no extra credit, because that will reflect in performance in the trade test. Relevance of Experience will not be measured in terms of number of years, but in terms of the quality of the experience, which must be recorded by the Committees.

Trade Test (50)

Trade test is compulsory for selection in all non teaching posts of groups ~~B~~^{B, C, D}. The test may be in written or practical or a combination of both. The evaluation will be made by the Trade Test Committee appointed by the Director. The scores given by the Trade Test Committee will be passed on to the Selection Committee along with corrected answer scripts and practical jobs done (when feasible).

Candidates securing less than 50% in trade test will be disqualified.

Career (20)

The candidates will get zero credit for satisfying minimum qualification specified in the advertisement.

Post	Qualification	Marks	Total
Mechanic with Matric + ITI as required qualification	Matric 1 st Class	5	20 (Maximum)
	Class XII	5	
	Class XII first Class	5	
	Diploma Engg. / B.Sc	5	
	ITI 1 st class or Diploma Engg. 1 st Class/B.Sc. 1 st class	5	
Technical Assistant (Engg.) with Dip (Engg) as required qualification	Matric 1 st Class	5	20 (Maximum)
	Class XII with diploma	5	
	Class XII 1 st class	5	
	BTech	5	
	Diploma 1 st class / BTech 1 st Class	5	

Technical Assistant (Science)	Matric 1 st Class	5	20 (Maximum)
	Class XII 1 st Class	5	
	BSc Hons	5	
	1 st Class Hons	5	
	MSc First Class	5	
Lab. Assistant	Matric 1 st Class	5	20 (Maximum)
	Class XII 1 st Class	5	
	BSc Hons	5	
	1 st Class Hons	5	
	MSc <i>MSc 1st Class</i>	5	
Ministerial/Assistant Supdt.	Matric 1 st Class	5	20 (Maximum)
	Class XII 1 st class	5	
	BA/BSc/BCom with Hons	5	
	1 st Class Hons	5	
	Master Degree	5	
	MBA	5	
	Computer Diploma (1 year of more)	5	
	Accounting	5	
Group D	Matric 1 st Class	5	20 (Maximum)
	Class XII	5	
	Class XII 1 st	5	
	ITI	5	

Departmental Promotion

The 20 marks for "career" will be replaced by "Performance record" over the past five years.

Method :

Selection Committee will consist of

- | | |
|---|----------|
| 1. Director | Chairman |
| 2. One nominee of Central Government | Member |
| 3. Two experts as nominees of the Board | Members |
| 4. Registrar | Member |

Trade Test Committee will consist of :

1. One Senior faculty member nominated by Director: Chairman
2. 2 faculty members or officers from relevant fields : Members
3. 1 external expert for industry or academic Institute.

Advertisement :

In National newspaper, website, local paper and letters to relevant institutions from where potential candidates will receive information, internal circulation.

Short Listing :

Depending on the number of applications received, short listing may be done on the basis of career + relevance of experience. Approximately 6 times the available vacancies in each category (trade, reservation status) will be called for Trade Test.

Interview :

Persons who get above 50% in Trade Test will be called for interview. The interview will carry 20 points.

Lobbying:

Any attempt to influence the selection process through pressure or persuasion, or any attempt to contact members of the Selection Committee or Trade Test Committee will disqualify a candidate.

Information :

This document will be made available to all candidates for their information and understanding.

RATIONALISED SCALE FOR EXISTING EMPLOYEES

Rationalised Scales of Pay for Non-Teaching Employees of NIT Rourkela

Sl. No.	Existing Designation	Existing Scale of Pay at entry grade	Rationalised Designation & Scale		Entry Level Designation in the rationalized scale		Remarks
			Designation	Scale	Designation	Scale	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1.	Medical Officer	8000-13500	Medical Officer	8000-13500	Medical Officer	8000-13500	
2.	Junior Engineer/Jr. ME (Elect)	6500-9900	Asst. Engineer	6500-10500	Junior Engineer	5000-8000	
3.	Asst Engineer	6500-10500	Asst Engineer	6500-10500	Asst Engineer	6500-10500	
4.	Estate Engineer-cum-Manager/ME-cum-EM	8000-13500	Asst Executive Engineer	8000-13500	Asst Engineer	6500-10500	
5.	Technical Asst.	5900-9700	Technical Asst.	5500-9000	Technical Asst.	5000-8000	Special scale for incumbents only
6.	Sr. Tech. Asst.	6500-9900	Sr. Tech. Asst.	6500-10500	Technical Asst.	5000-8000	
7.	Draughtsman	5300-8300	Draughtsman	5000-8000	Jr. Draughtsman	4000-6000	Special scale for incumbents only Promotion scale Rs. 5500-9000
8.	Junior Assistant/ Jr. Record Keeper/Diarist /Asst Cashier	4000-6000	Junior Assistant	4000-6000	Junior Assistant	3200-4900	* Time bound Career Progression Scheme of Govt. of Orissa
9.	Jr Assistant Telephone Operator	4500-7000 4000-6000	Jr. Assistant Telephone Operator Gr.I	4500-7000 * 4000-6000	Telephone Operator Gr.II Junior Assistant	3200-4900 3200-4900	
10.	Senior Assistant/ UDC/ Cashier/Sr. Typist/ Store Keeper	5300-8300	Senior Assistant	5000-8000			
11.	Superintendent/Accountant	5900-9700	Superintendent/ Superintendent (Accounts)	5500-9000			Special scale for incumbents only (No more ACP)
12.	Junior Steno	4500-7000	Stenographer	4500-7000	Stenographer	4000-6000	Special scale for incumbents

13.	Senior Stenographer	5300-8300	Senior Stenographer	5000-8000	Stenographer	4000-6000	
14.	Lab Assistant	5300-8300	Lab Assistant	5000-8000	Lab Assistant	3200-4900	
15.	PTI	5300-8300	PTI Gr.II	5500-9000 *	PTI Gr.II	5500-9000	* As per TGT (Physical Edn) scale under GOI)
16.	PTO	6500-10500	PTO	6500-10500			Special scale for incumbents
17.	Pharmacist (With Diploma)	4500-7000	Pharmacist	4500-7000	Pharmacist	4500-7000	
18.	Driver	4000-6000	Driver Gr.II	4000-6000	Driver Gr. II	3200-4900	
19.	Mechanic-Grade-III	4500-7000	Mechanic	4500-7000	Mechanic	3200-4900	Special scale for incumbents
20.	Mechanic Gr.II	5300-8300	Sr. Mechanic	5000-8000	Mechanic	3200-4900	
21.	Mechanic Gr.I	5900-9700	Mechanic (SG)	5500-9000	Mechanic	3200-4900	Special scale for incumbents
22.	Tracer/Carpenter/plumber	4000-6000	Sr. Mechanic(ITI)	4000-6000	Mechanic	3200-4900	ACP after 24 years from date of 3200-4900 or 3050-4590 scale
			Attendant (SG) (Non ITI)	4000-6000	Attendant Gr.II	2650-4000	No more ACP
23.	Lineman-cum-Wireman-C	4000-6000	Sr. Mechanic(ITI)	4000-6000	Mechanic	3200-4900	ACP after 24 years from date of 3200-4900 or 3050-4590 scale
			Attendant (SG) (Non ITI)	4000-6000	Attendant Gr.II	2650-4000	No more ACP
24.	Lineman-cum-Wireman-B	4500-7000	Sr. Mechanic	4500-7000	Mechanic	3200-4900	Special scale for incumbents
25.	Lineman-cum-Wireman-A	5300-8300	Mechanic(SG)	5000-8000	Mechanic	3200-4900	
26.	Library Attendant	3050-4590	Attendant Gr.I (Matric)	3050-4590	Attendant Gr. II	2650-4000	
			Attendant Gr.I (Non-Matric)	3050-4590	Unskilled Worker	2550-3200	

27.	Dresser	3050-4590	Attendant Gr. I (Matric)	3050-4590	Attendant Gr. II	2650-4000	
			Attendant Gr. I (Non-Matric)	3050-4590	Unskilled Worker	2550-3200	
28.	Groundsman	3050-4590	Attendant Gr. I (Matric)	3050-4590	Attendant Gr. II	2650-4000	
			Attendant Gr. I (Non-Matric)	3050-4590	Unskilled Worker	2550-3200	
29.	Bus Helper	3050-4590	Attendant Gr. I (Matric)	3050-4590	Attendant Gr. II	2650-4000	
			Attendant Gr. I (Non-Matric)	3050-4590	Unskilled Worker	2550-3200	
30.	Head Class Room Bearer	3050-4590	Attendant Gr. I (Matric)	3050-4590	Attendant Gr. II	2650-4000	
			Attendant Gr. I (Non-Matric)	3050-4590	Unskilled Worker	2550-3200	
31.	Daftary	3050-4590	Attendant Gr. I (Matric)	3050-4590	Attendant Gr. II	2650-4000	
			Attendant Gr. I (Non-Matric)	3050-4590	Unskilled Worker	2550-3200	
32.	Pump Driver	3050-4590	Attendant Gr. I (Matric)	3050-4590	Attendant Gr. II	2650-4000	
			Attendant Gr. I (Non-Matric)	3050-4590	Unskilled Worker	2550-3200	
33.	Electrical Helper	3050-4590	Attendant Gr. I (Matric)	3050-4590	Attendant Gr. II	2650-4000	
			Attendant Gr. I (Non-Matric)	3050-4590	Unskilled Worker	2550-3200	
34.	Helper Water Supply	3050-4590	Attendant Gr. I (Matric)	3050-4590	Attendant Gr. II	2650-4000	
			Attendant Gr. I (Non-Matric)	3050-4590	Unskilled Worker	2550-3200	

35.	Helper Building	3050-4590	Attendant Gr. I (Matric)	3050-4590	Attendant Gr. II	2650-4000	
			Attendant Gr. II (Non-Matric)	3050-4590	Unskilled Worker	2550-3200	
36.	Head Watchman	3050-4590	Attendant Gr. I (Matric)	3050-4590	Attendant Gr. II	2650-4000	
			Attendant Gr. I (Non-Matric)	3050-4590	Unskilled Worker	2550-3200	
37.	Peon/Class Room/Bearer/ Helper Director's Residence/ Bearer/Sweeper/Key man/ Female Attendant/Word boy (Medical)/Helper-cum- Gardener/ Watchman	2650-4000	Attendant Gr. II (Matric)	2650-4000	Attendant Gr. II	2650-4000	
			Attendant Gr. II (Non-Matric)	2650-4000	Unskilled Worker	2550-3200	
38.	Mali	2650-4000	Attendant Gr. II (Matric)	2650-4000	Mali	2650-4000	
			Attendant Gr. II (Non-Matric)	2650-4000	Unskilled Worker	2550-3200	
39.	Mistry	2650-4000	Attendant Gr. II (Matric)	2650-4000	Attendant Gr. II	2650-4000	
			Attendant Gr. II (Non-Matric)	2650-4000	Unskilled Worker	2550-3200	
40.	Fireman	3050-4590	Attendant Gr. I (Matric)	3050-4590	Attendant Gr. II	2650-4000	
			Attendant Gr. II (Non-Matric)	3050-4590	Unskilled Worker	2550-3200	
41.	Work Sarkar/Work Asst	4000-6000	Sr. Mechanic(ITI)	4000-6000	Mechanic	3200-4900	
			Attendant(SG) (Non-ITI)	4000-6000	Attendant Gr. II	2650-4000	
42.	Reprographic Operator/ Duplicating Operator	4000-6000	Sr. Mechanic(ITI)	4000-6000	Mechanic	3200-4900	
			Attendant(SG) (Non-ITI)	4000-6000	Attendant Gr. II	2650-4000	

43.	Head Mali	4000-6000	Mali(SG)	4000-6000	Mali	2650-4000	
44.	Ferro Printer	3200-4900	Attendant Gr.I (Matric)	3200-4900	Attendant Gr. II	2650-4000	
			Attendant Gr.I (Non Matric)	3200-4900	Unskilled Worker	2550-3200	
45.	Book Binder	3200-4900	Attendant Gr.I (Matric)	3200-4900	Attendant Gr. II	2650-4000	
			Attendant Gr.I (Non Matric)	3200-4900	Unskilled Worker	2550-3200	
46.	Treasury Sarkar	3050-4590	Attendant Gr.I (Matric)	3050-4590	Attendant Gr. II	2650-4000	
			Attendant Gr.I (Non Matric)	3050-4590	Unskilled Worker	2550-3200	
47.	Khansama	3050-4590	Attendant Gr.I (Matric)	3050-4590	Attendant Gr. II	2650-4000	
			Attendant Gr.I (Non Matric)	3050-4590	Unskilled Worker	2550-3200	
48.	Matron	3050-4590	Attendant Gr.I (Matric)	3050-4590	Attendant Gr. II	2650-4000	
			Attendant Gr.I (Non Matric)	3050-4590	Unskilled Worker	2550-3200	
49.	Mate	3050-4590	Attendant Gr.I (Matric)	3050-4590	Attendant Gr. II	2650-4000	
			Attendant Gr.I (Non Matric)	3050-4590	Unskilled Worker	2550-3200	
50.	Mason	4000-6000	Sr. Mechanic(ITI)	4000-6000	Mechanic	3200-4900	
			Attendant(SG) (Non-ITI)	4000-6000	Attendant Gr. II	2650-4000	
51.	Medical Technician	4500-7000	Technical Asst (Medical) [With Diploma]	4500-7000	Technical Asst (Medical)	5000-8000	Special scale for incumbents only
			Medical Technician [Non-Diploma]	4500-7000	Medical Technician	4500-7000	

52.	Sanitary Filter/Meter reader	4000-6000	Sr. Mechanic(ITI) Attendant(SG) (Non-ITI)	4000-6000 4000-6000	Mechanic Attendant Gr. II	3200-4900 2650-4000	
53.	Programming Asst.	5900-9700	Technical Asst	5500-9000	Technical Asst	5000-8000	Special scale for incumbents only
54.	System Programmer	8000-13500	Scientific Officer Gr.II	8000-13500	Scientific Officer Gr.II	8000-13500	
55.	System Analyst	10000-15200	Scientific Officer Gr.I	10000-15200	Scientific Officer Gr.II	8000-13500	
56.	Security Inspector	5300-8300	Security Inspector	5000-8000	Security Inspector	5000-8000	Special scale for incumbents only
57.	Asst. Head Mali	3050-4590	Attendant Gr.I (Matric) Attendant Gr.I (Non Matric)	3050-4590 3050-4590	Attendant Gr. II Unskilled Worker	2650-4000 2550-3200	
58.	Gasman	4000-6000	Sr. Mechanic(ITI) Attendant(SG) (Non-ITI)	4000-6000 4000-6000	Mechanic Attendant Gr. II	3200-4900 2650-4000	
	LIBRARY STAFF						
59.	Library Attendant	3050-4590	Attendant Gr.I (Matric) Attendant Gr.I (Non Matric)	3050-4590 3050-4590	Attendant Gr. II Unskilled Worker	2650-4000 2550-3200	
60.	Library Clerk	4000-6000	Jr. Assistant	4000-6000	Jr. Assistant	3200-4900	
	LABORATORY STAFF						
61.	Lab Attendant	3050-4590	Attendant Gr.I (Matric) Attendant Gr.I (Non Matric)	3050-4590 3050-4590	Attendant Gr. II Unskilled Worker	2650-4000 2550-3200	

ANNEXURE-6



National Institute of Technology
Rourkela - 769 008 (Orissa)

Strategy for growth of the Institute over the
11th Five Year Plan period

The Regional Engineering College, Rourkela established in 1961 was converted to National Institute of Technology, Rourkela (NIT) on 26th June 2002. Till today the Institute has focused on reorganization of the academic programme and administrative set up, as well as on the renovation of existing civil and electrical infrastructure. It is time for further growth of the Institute to satisfy the objectives of the NIT system. The following are the brief outlines of the growth plan of the Institute during the next 6 years.

A Present Student Strength

B. Tech:

Intake	390 per year in 9 Engineering Departments
Total Student Strength:	1400 approximately

M. Sc.:

Present Intake	40 per year
Total Student strength	80

MCA :

Present Intake	30 per year
Total Strength	90

Proposed to be discontinued from academic year 2006-07.

M. Tech.:

Present intake about	100 per year (approx.)
Total Strength:	200

Ph. D.:

Total strength about	40	(approx.)
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Total number of students: 1810

B. Proposed student strength by 2011.

B. Tech.:

Student Intake	600
Total Strength	2200 approximately

M. Sc.:

Student intake	120
Total strength	240

MCA:

NIL

M. Tech. and MBA:

Student Intake	300 per year
Total Strength	600

U.G. Programme:

Student Intake	50
Total student strength	100

Ph.D.:

Student Intake	50
Total Strength:	200

Total student strength	3340
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The increase in student strength will be achieved by enhancement of intake strength in existing departments and opening of new departments. The following are proposed.

- (a) Increase of UG intake in major departments such as Computer Science and Engineering, Electronics and Communication Engineering, Electrical Engineering and Mechanical Engineering from 60 to 90 per year.
- (b) Enhancement of intake strength of departments such as Civil Engineering, Material and Metallurgical Engineering and Chemical Engineering from 30 to 60 per year in B. Tech. Programme.
- (c) Starting of one new department named Department of Bio Medical Engineering with two B. Tech. Programmes:

Bio Medical Engineering: Student Intake strength:	30
Bio Technology: Student Intake strength	30
- (d) Increase in M. Sc. Courses for Physics, Chemistry and Mathematics from 15 to 30 students per year.
- (e) Introduction of M. Sc. Programme in Economics in Department of Humanities and Social Sciences – Student intake 30 per year.
- (f) Strengthening of all M. Tech. Programmes in all Engineering departments including Bio Medical Engineering with strength of 18 students (13 + 5 sponsored) in every specialisation.
- (g) Strengthening of M. Tech. (Res) and Ph.D. programmes.

C. New Academic programmes

- (a) Department of Bio Medical Engineering with 2 B. Tech. Programmes, one M. Tech. Programme and Ph. D. programme.
- (b) School of Business Management with 2 years MBA programme, 5 years integrated B. Tech. + MBA programme for B. Tech. Students of all disciplines, 3 years M. Sc. + MBA programme for M. Sc. in Economics.
- (c) School of Research (Centre of Excellence) in certain specialized areas such as
 - (i) School of Research in Refrigeration and Cryogenic Engg. in the Department of Mechanical Engineering.
 - (ii) School of Research in Computer Security in the Department of Computer Science.
 - (iii) School of Research in the Digital Signal Processing in the Department of Electronics & Communication Engineering.
 - (iv) School of Research in Power Electronics and Control in the Department of Electrical Engineering.
 - (v) School of Research in BioCeramics in the Department of Ceramic Engineering.

The BOG shall consider specific proposals on these and other centers of excellence in due course.

E. Renovation and upgradation of existing infrastructure

The existing infrastructure is more than four decades old with very little maintenance. Most buildings have degraded significantly. Water supply, sewerage, electrical distribution systems are outdated and fail frequently. The following maintenance work needs to be provided on urgent basis.

- (a) Upgradation of academic buildings including civil structure, electrical wiring, plumbing, furniture, doors and windows etc.

Duration: 3 years

Cost of renovation: Rs. 10.00 crore

- (b) Upgradation of hostel buildings including civil structure, electrical wiring, plumbing, furniture, doors and windows etc.

Duration: 3 years

Cost of renovation: Rs. 7.00 lakhs

- (c) Renovation of residential quarters.

The Institute has 459 residential quarters, most of which are old and dilapidated. It is proposed to renovate the buildings covering civil work, plumbing, electrical wiring and doors and windows.

Duration: 3 years

Cost of Renovation: Rs. 3 crore

- (d) Renovation of water supply and sewerage system

Duration: 1 year

Cost of renovation: Rs. 2.00 crores

- (e) Development of campus including roads, plantation, storm water drainage and water bodies.

Duration: 3 years

Cost of development: Rs. 3 crore

F. Scientific and Technical Infrastructure

During the early years of REC, there was focus on good laboratories. But during the last three decades, most teaching equipment have eroded in functionality and visual appeal. It is urgently necessary to upgrade the equipment base not only for UG teaching but also for PG teaching and research.

Some equipment have been added under the TEQIP programme. But as directed by TEQIP policy, the expenditure is limited to only one or two laboratories of each department. The rest of the department sustaining other B. Tech./M. Sc. subjects and other PG programmes are still under developed. It is proposed to add equipment to all departments during the next six years.

Funds needed = Rs. 10 crores/yr x 6 years.

D. Major Constructions need

(a) Academic Buildings

- (i) Lecture Hall complex for B. Tech. 1st year and 2nd year classes, as well as for conducting tutorial classes.

Duration of construction – Approximately 2 years

Cost of construction – Rs. 10.00 crores

- (ii) Academic building for the Electrical Sciences Departments. The building will house Department of Electrical Engineering and the Department of Electronics and Communication Engineering as well as specialized research Centre related to Electrical Sciences.

Construction duration – 2 years

Cost of construction – Rs. 10.00 crores

- (iii) Academic Building for Departments of Bio Medical Engineering and School of Business Management.

Construction Duration – Approximately 2 years

Construction cost – Rs. 10.00 crores

(b) Central Library & Computer Centre

The existing facilities in the Institute are too small even for present day need. As the student population grows, it is essential to build a modern library building and a modern facility for housing computers for students used.

Construction duration – 2 years

Cost of construction – Rs. 15 crores

(c) New Students' Hostel

Since the student strength is expected to double in the next 6 years it will be necessary to add another 1600 rooms. This should be done in two phases. Two separate hostels of capacity of 800 each may be constructed one after other.

Construction cost – Rs. 20.00 crores each

Construction duration – 2 years X 2 = 4 years

(d) Student Activity Centre (SAC) & Auditorium

The Institute does not have a Student Activity Centre worth the name. It is necessary to create a decent facility for the student.

Construction cost – Rs. 5 crores

Construction duration – 2 years.

(e) Swimming Pool and Gymnasium for use by students & staff

The students of this Institute are deprived of essentials sports facilities which is affecting their morale and encouraging indiscipline. A standard swimming pool, a gym and an outdoor cricket field must be provided at the earliest.

Cost of construction – Rs. 2.00 crores

Construction duration – 1 year

(f) Faculty Accommodation

There is a shortage of accommodation for faculty both in numbers and quality. It will be necessary to construct another 60 units.

Cost of construction – Rs. 10.00 crores

Construction duration – 2 years.

(g) Non – Faculty accommodation

The composition of the non-faculty population is expected to change from predominantly group D posts to more qualified group C and B posts. There will be a need for change in accommodation in appropriate category even if the total non-faculty population is not accepted to rise significantly. It is proposed to build 60 units immediately to provide essential accommodation at a cost of Rs. 6 crores. Construction duration will be 2 years.

G. Technology-based Entrepreneurship Park.

As a major technological institution, NIT Rourkela has the potential to assist the local industry to grow and to change in character from a low grade heavy industry to a composite high precision engineering culture. The academic curriculum has already been changed to address to this need. Land has been set aside to create the infrastructure for inviting technology entrepreneurship Funds are needed to create the basic infrastructure for the purpose which includes roads, buildings, electricity and water supply.

Construction duration: 2 years

Cost of infrastructure: Rs. 5.00 crore

A preliminary land use plan has been created by M/s M. N. Dastur, consultants which will be refined with feedback from the Institute community. The Board is requested to approve the basic plan and the individual projects described above. The Administration may be permitted to seek funds from the Ministry and other Government and Non-Government funding agencies, and to use internally generated resources such as student tuition fees, Institute development fees and returns from SRICCE activities to fund these projects.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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LAND AREA: 800 ACRES

K.P. DAVIS & COMPANY LTD NATIONAL INSTITUTE OF TOPOGRAPHY MASTER PLAN		1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100	
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ANNEXURE-7



**NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA-769 008 (ORISSA)**

No.NITR/Estt/ Adv.01 / 2005

Dt. 28.11.2005

NIT, Rourkela invites applications from Indian Nationals, possessing excellent academic background along with commitment to quality teaching and potential for carrying out relevant research, for faculty positions at the level of Professor, Assistant Professor and Lecturer. While the appointment for the posts Professor and Assistant Professor will be in the regular cadre, that of Lecturer will be on a contract of mutually agreed duration. The contract position will be automatically regularized on acquiring Ph.D. degree.

Qualifications for the posts:

Ph.D. with First Class or equivalent at the B.Tech degree in appropriate branch and evidence of ability to pursue independent research. Candidates without Ph.D. degree, but possessing Master's degree (M.Tech) in Engineering will be hired only as Lecturer on contract. Ph.D. is compulsory for Science and Humanities subjects. A first class (60% marks) or equivalent grade (6.5/10) is necessary at B.Tech. or M.Sc./ M.A. Level in all cases. The following provide some exceptions or clarifications to "appropriate Branch".

- i) Computer science & Engineering: B.Tech in Computer Science followed by M.Tech/Ph.D., or B.Tech in Electronics/Electrical Engineering followed by M.Tech/Ph.D. in Computer Science.
- ii) Electronics & Communication Engineering: Candidates having B. Tech. in Electrical Engineering will be eligible depending on the curriculum covered.
- iii) Mining Engineering: M.Sc. in Geology followed by Ph.D. in Geology or Mining Engineering or B.Tech. (Mining Engineering) followed by Ph.D. in Geology necessary for specialization in Mining Geology.
- iv) Humanities & Social Sciences: MA/M.Sc in Economics or Sociology, followed by Ph.D.

Experience:

Professor : At least 10 years teaching/research/industrial experience of which 5 years should be at the level of Assistant Professor.

Assistant Professor : At least 3 years' teaching/research/industrial experience.

The candidates should preferably be below 35 years of age.

Lecturer : None.

Scale of Pay :

Professor : Rs.16400-450-20900-500-22400/- plus allowances as admissible to Central Government employees.

Assistant Professor: Rs.12000-420-18300/- plus allowances as admissible to Central Government employees.

Lecturer : Rs.8000-275-13500/- plus allowances as admissible to Central Government employees. Lecturer given a contract appointment will be given a suitable consolidated pay, to be revised once a year.

Department	Area of Specialization
Ceramic Engineering	Any branch of Ceramics and relevant branches of Materials & Metallurgical Engineering.
Chemical Engineering	Bio-Chemical Engineering & Biotechnology/Transfer operations/ Process dynamics & control/ Simulation and Modelling/ Particle technology/ Multiphase flow/ Thermodynamics and reaction Engineering/ Polymer Science
Civil Engineering	Structural Engineering/Soil Mechanics and foundation Engineering / Transportation Engineering/ Environmental Engineering/ Water Resource Engg./ Town Planning and Architecture.
Computer Science Engineering	Computer architecture, Advance Microprocessor Based Systems, Computer Networks, VLSI Design, Digital Communication, Database Engineering, Software Engineering, Soft Computing, Theoretical Computer Science, Image Processing, Parallel & Distributed Computing. Data Communication, Distributed & Parallel Computing.
Electrical Engineering	Electrical Machines/Power System/ Power Electronics & Drives/ Control Systems/ High Voltage Engineering/ Instrumentation/ Signal Processing/ Communications Systems/ Microprocessors & Embedded Systems/ Electronic Circuits & Devices
Electronics & Communication Engineering	Communication Systems/ Microelectronics & VLSI Design/ Embedded Systems/ Telecommunication and Networking/ Digital Signal Processing/ Systems & Control Engineering/ Electronic/ Instrumentation/ Industrial Electronics/ Computer Vision and Image Processing/ Soft Computing

Mechanical Engineering	Mechanisms/Machine Design/ Vibration/ Tribology/ Mechatronics Production Engg./ Manufacturing Engg./ Robotics/ Flexible Manufacturing/ Thermal Engg./ Refrigeration and Cryogenic Engineering/ Heat Transfer/ Fluid Mechanics/ CFD Industrial Engg./ Industrial Management/ Operation Research
Metallurgy and Materials Engineering	Process Metallurgy/Physical Metallurgy/Materials Engineering/ Polymer Engineering
Mining Engineering	Mine Planning/Mining Methods/Mine Safety Engineering/Quality Control/Computer Application in Mines/Mine Environmental Engineering/CIS & CPS/Geo-Mechanics/Mine Economics/Mining Machinery/ Mine Resource Development & Management/Mining Geology.
Physics	Solid State Physics/X-rays/Electronics/Nuclear Physics/ Material Science.
Chemistry	Physical, Inorganic, Organic and Environmental
Mathematics	Analysis/ Algebra/ Topology/ Probability and Statistics/ Advanced Computing
Humanities and Social Sciences	Economics: Managerial Economics Sociology: Sociology of Development

Accommodation:

Suitable residential accommodation as per rules will be provided in the Campus of the Institute on joining the Institute as per availability.

General information:

- Minimum requirement of experience may be relaxed for outstanding candidates.
- Mere fulfillment of minimum qualification and experience requirements does not entitle any candidate for a call for interview.
- The Institute reserves the right to fill or not to fill any or all the posts advertised.
- Reservation as per Government of India norms apply.
- Application should be submitted on a signed hard copy. [DO NOT SEND APPLICATION THROUGH ELECTRONIC MEDIA]
- Enclosures such as Publication, Research Plan etc as stated in the Application form should be sent along with the application form.

- Names and Addresses (with e-mail addresses and fax numbers) of at least three referees who may also be requested to send their reports directly in confidence to Director, NIT, Rourkela-769008.
- Persons employed in Government and Semi-Government organizations must apply through proper channel.

Note: (a) For faculty members presently serving at NIT Rourkela, all specializations are acceptable.

(b) External candidates possessing strong academic record and relevant research experience, but not possessing qualifying degrees as stated, will be considered on merit.

- Any other details may be submitted in a separate sheet.

How to apply:

1. Interested candidates may apply in prescribed application form, which may be downloaded from the web site http://www.nitrkl.ac.in/news_career.asp
2. For obtaining the application form by post, please send a self-addressed envelope (26 cm X 11 cm) to the Registrar, NIT, Rourkela-769008 writing "Request for application form for faculty appointment" on the envelope.
3. Apply any time – throughout the year.
4. Application forms complete in all respects along with Xerox copies of certificates (Attestation not required), list of publication, reprints/preprints of publication and a detailed research plan should reach the Office of the Registrar on or before 31st December, 2005 for consideration in the forthcoming round of selection process. Application received after this date may be considered in the forthcoming selection round or deferred to the next round depending on administrative convenience. Incomplete application forms will not be entertained.
5. Candidates applying from Government/Public Sector undertaking must forward their applications through proper channel.
6. Those applied in response to our earlier advertisement No. No.NITR/Estt/Adv.01/2004 Dt. 29.11.2004 need not apply again. Their applications are under active consideration. However, they can send any additional information that will be attached to their biodata.

For further details contact:

Registrar,

National Institute of Technology,

Rourkela - 769 008

Phone : 0661-2476773 / 09437153285 (M)

FAX : 0661-2472926

REGISTRAR

ANNEXURE-8



**National Institute of Technology
Rourkela - 769 008 (Orissa)**

Expert List for Selection of Faculty Members

BOG Nominees

Department : Civil Engineering

1. Dr. Sarvesh Chandra (*Geotechnical Engineering*), IIT, Kanpur
2. Prof. G.K.Bhattacharya (*Geotechnical Engineering*), B.E.College, Shibpur
3. Prof. S.R. Gandhi (*Geotechnical Engineering*), IIT, Madras
4. Prof. D.P.Ghosh (*Geotechnical Engineering*), IIT, Kharagpur
5. Prof. S.K.Bhattacharyya (*Structural Engineering*), IIT, Kharagpur
6. Prof. T.K.Datta (*Structural Engineering*), IIT, Delhi
7. Prof. J.N.Bandopadhyay (*Structural Engineering*), IIT, Kharagpur
8. Prof. B.B. Pandey (*Transportation Engineering*), IIT, Kharagpur
9. Prof. Gurdeep Singh (*Environmental Engineering*), ISM, Dhanbad
10. Prof. Manas Bandopadhyay (*Environmental Engineering*), IIT, Kharagpur
11. Dr. P.S.Nema (*Environmental Engineering*), NEERI, Nagpur
12. Prof. S.K.Kar (*Hydraulics & Water Resources Engineering*), IIT, Kharagpur
13. Prof. B.C. Mal (*Hydraulics & Water Resources Engineering*), IIT, Kharagpur
14. Dr. G.C.Mitra , Retired Works Secy, Government of Orissa

Department : Chemical Engineering

1. Prof.A.N.Samanta, IIT, Kharagpur
2. Prof. S.C. Kundu, IIT, Kharagpur
3. Prof. Sudip K.Das, Calcutta University
4. Prof. P.Bhattacharya, Jadavpur University
5. Prof. J.P.Gupta, IIT, Kanpur
6. Prof. Ashok Khanna, IIT, Kanpur

7. Prof. S.Pushpavanam, IIT, Madras
8. Prof. Chandra Prakash Agrawal, IIT, Roorkee
9. Prof. V.G.Gaikar, University of Mumbai
10. Prof. S.B.Sawant, University of Mumbai
11. Dr. C.R.Mishra, NALCO
12. Prof. Rintu Banerjee, IIT, Kharagpur
13. Prof. Debabrata Das, IIT, Kharagpur

Department : Ceramic Engineering

1. Dr. H. S. Ray, CGCRI, Calcutta
2. Dr. L.Tiwari, SAIL, Ranchi
3. Prof. Om Prakash, IT-BHU
4. Prof. H.S.Maity, CGCRI, Calcutta
5. Prof. D.C.Agarwal, IIT, Kanpur
6. Dr. S.Ghatak, CGCRI, Calcutta
7. Dr. R.K.Galgali, RRL, BBSR
8. Prof. T.R. Rama Mohon, IIT, Bombay
9. Prof. R.Mazumdar, Calcutta University
10. Prof. D.Kumar, IT-BHU
11. Dr. P.S.Mukherjee, RRL, BBSR

Department : Computer Science & Engineering

1. Dr. Anupam Basu, IIT, Kharagpur
2. Dr. P.P.Chakrabarti, IIT, Kharagpur
- ✓ 3. Dr. S.C. De Sarkar, KIIT, Bhubaneswar
- ✓ 4. Dr. Sujoy Ghosh, IIT, Kharagpur
5. Dr. S.V.Raghavan, IIT, Madras
6. Dr. R.K.Ghosh, IIT, Kanpur

7. Dr. Rajat Moona, IIT, Kanpur
8. Dr. Pankaj Jalote, IIT, Kanpur
9. Dr. D.M.Dhamdhare, IIT, Bombay
10. Dr. S.S.S.P.Rao, IIT, Bombay

Department : Electronics & Communication Engineering

1. Dr. Alope Dutta, IIT Kanpur
2. Dr. Bhaskar Ramamurthi, IIT, Madras
3. Dr. A.Mahanta, IIT, Guwahati
4. Dr. Swapna Banerjee, IIT, Kharagpur
5. Dr. P.K.Dash, College of Engineering, Bhubaneswar
6. Prof. B.N. Chatterjee, IIT, Kharagpur
7. Prof. A.K.Chakraborty, IIT, Kharagpur
8. Prof. T.S.Lamba, IIT, Kharagpur
9. Prof. Govind Sharma, IIT, Kharagpur
10. Prof. Bhabatosh Chanda, ISI, Kolkata
11. Prof. R.V.Rajakumar, , IIT, Kharagpur

Department : Electrical Engineering

1. Prof. D.C. Saha (*Power Systems, Circuits, Control System, Power Electronics & Mechanics*), IIT, Kharagpur
2. Prof. Amit Patra (*Power Systems, Circuits, Control System, Power Electronics & Mechanics*), IIT, Kharagpur
3. Prof. Anjan Rakshit (*Power Systems, Circuits, Control System, Power Electronics & Mechanics*), Jadavpur University
4. Prof. Arindam Ghosh (*Power Systems, Circuits, Control System, Power Electronics & Mechanics*), IIT, Kanpur
5. Prof. Bhim Singh (*Power Systems, Circuits, Control System, Power Electronics & Mechanics*), IIT, Delhi
6. Prof. A.K.Sinha (*Power Systems, Circuits, Control System, Power Electronics & Mechanics*), IIT, Kharagpur

7. Prof. B.N. Chatterji (*Communication, Signal Processing, Electronics, Image Processing, Embedded System & VLSI*), IIT, Kharagpur
8. Prof. U.B.Desai (*Communication, Signal Processing, Electronics, Image Processing, Embedded System & VLSI*), IIT, Bombay
9. Prof. A.K.Chakraborty (*Communication, Signal Processing, Electronics, Image Processing, Embedded System & VLSI*), IIT, Kharagpur
- ✓ 10. Prof. T.S.Lamba (*Communication, Signal Processing, Electronics, Image Processing, Embedded System & VLSI*), IIT, Kharagpur
11. Prof. Govind Sharma (*Communication, Signal Processing, Electronics, Image Processing, Embedded System & VLSI*), IIT, Kanpur
12. Prof. R.V.Rajakumar (*Communication, Signal Processing, Electronics, Image Processing, Embedded System & VLSI*), IIT, Kharagpur
- ✍ 13. Prof. Bhabatosh Chanda (*Communication, Signal Processing, Electronics, Image Processing, Embedded System & VLSI*), ISI, Kolkata

Department : Mechanical Engineering

1. Prof. Ashitava Ghosal (*Production Engineering*), IISc, Bangalore
2. Prof. J.B.Doshi (*Production Engineering*), IIT, Bombay
3. Prof. Sunil Pandey (*Production Engineering*), IIT, Delhi
- ✍ 4. Prof. R.Krishnakumar (*Production Engineering*), IIT, Madras
5. Prof. S.Pushpavanam (*Production Engineering*), IIT, Madras
6. Prof. V.K.Nema (*Production Engineering*), MNIT, Allahabad
7. Er. S.P.Rao (*Production Engineering*), RSP, Rourkela
- ✍ 8. Er. Trilok Singh (*Production Engineering*), BARC, Mumbai
- ✓ 9. Prof. A.B. Chattopadhyay (*Production Engineering*), IIT, Kharagpur
10. Prof. V.Kurien Issac (*Machine Design*), IIT, Bombay
11. Prof. A.S.Sekhar (*Machine Design*), IIT, Kharagpur
12. Prof. R.Karmakar (*Machine Design*), IIT, Kharagpur
- ✍ 13. Prof. T.K.Kundra (*Machine Design*), IIT, Delhi
- ✓ 14. Prof. A.N.Sinha (*Machine Design*), BIT, Mesra
15. Prof. J.H.Arakeri (*Thermal Engineering*), IISc, Bangalore

16. Prof. N.Ramakrishnan (*Thermal Engineering*), IIT, Bombay
17. Prof. S.R.Kale (*Thermal Engineering*), IIT, Delhi
18. Prof. Ajit Kumar Kolar (*Thermal Engineering*), IIT, Madras
19. Prof. S.K.Som (*Thermal Engineering*), IIT, Kharagpur
20. Prof. Souvik Bhattacharyya (*Thermal Engineering*), IIT, Kharagpur

Department : Metallurgical & Materials Engineering

1. Dr. S.C. Panigrahi (*Extractive Metallurgy / Ferrous Process Metallurgy*), IIT, Kharagpur
- ✓ 2. Dr. R.C.Gupta (*Extractive Metallurgy / Ferrous Process Metallurgy*), BHU
3. Dr. B.Deo (*Extractive Metallurgy / Ferrous Process Metallurgy*), IIT, Kanpur
4. Dr. S.C. Koria (*Extractive Metallurgy / Ferrous Process Metallurgy*), IIT, Kanpur
5. Dr. N.B. Ballal (*Extractive Metallurgy / Ferrous Process Metallurgy*), IIT, Bombay
- ✍ 6. Prof. M.Chakraborty (*Extractive Metallurgy / Ferrous Process Metallurgy*), IIT, Kharagpur
7. Dr. K.K.Ray (*Physical Metallurgy / Material Science*), IIT, Kharagpur
- ✓ 8. Dr. M.M.Godkhindi (*Physical Metallurgy / Material Science*), IIT, Kharagpur
9. Dr. Deo Nath (*Physical Metallurgy / Material Science*), BHU
10. Dr. S.Bhargava (*Physical Metallurgy / Material Science*), IIT, Kanpur
11. Dr. R.K.Pandey (*Physical Metallurgy / Material Science*), IIT, Delhi
12. Prof. O.N.Mohanty (*Physical Metallurgy / Material Science*), BPUT

Department : Mining Engineering

1. Dr. A.Bhattacharjee, IIT Kharagpur
2. Dr. Phalguni Sen, ISM, Dhanbad
- ✍ 3. Dr. Sajal Kr. Dasgupta, B.E.College
4. Dr. B.K.Srivastava, IT-BHU
5. Dr. V.R.Sastry, KNIT, Surathkal
6. Dr. Y.V.Rao, KNIT, Surathkal
7. Dr. P.K.Banik, ISM, Dhanbad

- ✓ 8. Prof. D.D.Mishra, CMRI, Dhanbad
- 9. Dr. R.N.Gupta, ISM, Dhanbad
- ✓ 10. Prof. B.S.Sastry, IIT, Kharagpur

Department : Physics

- ✓ 1. Prof. B.K.Chakrabarti, Saha Institute of Nuclear Physics
- 2. Prof. R.C.Bhudani, IIT, Kanpur
- 3. Prof. Arup K Choudhary, SN Bose National Centre for Basic Science
- ✍ 4. Prof. R.N.P.Choudhary, IIT, Kharagpur
- 5. Prof. M.K.Sanyal, Saha Institute of Nuclear Physics
- 6. Prof. Kushal Goswami, Jadavpur University
- 7. Prof. D.Chakrabarty, Indian Association of Cultivation of Science
- 8. Prof. N.C.Mishra, Utkal University
- ✓ 9. Prof. L.P.Singh, Utkal University
- 10. Prof. B.K.Mathur, IIT, Kharagpur
- 11. Prof. L.Satapathy, Institute of Physics, Bhubaneswar
- 12. Prof. A.Khare, Institute of Physics, Bhubaneswar
- 13. Prof. Gyan Moharana, Institute of Physics, Bhubaneswar

Department : Chemistry

- 1. Prof. Satya Sheo Prakash, Patna University
- 2. Prof. Ashok Mohan, Allahabad University
- 3. Prof. B.V. Appa Rao, NIT, Warangal
- 4. Prof. P.Pramanik, IIT, Kharagpur
- ✓ 5. Prof. J.K.Ray, IIT, Kharagpur
- ✓ ✓ 6. Prof. B.Sahoo, Retired Professor, IIT, Kharagpur
- 7. Prof. M.K.Banerjee, NIT, Jamshedpur
- 8. Prof. A.P.Gupta, Delhi College of Engineering

9. Prof. K.S.Pitre, Dr. Hari Singh Gour University
10. Prof. K.K.Mishra, Rani Durgavati University
11. Dr. O.P.Srivastav, Magadh University
12. Prof. Lallan Mishra, Banaras Hindu University
13. Prof. N.S.Prakash Rao, Nagarjuna University

Department : Mathematics

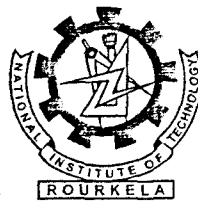
1. Dr. R.K.S. Rathore, IIT Kanpur
2. Dr. V.Raghavendra, IIT, Kanpur
3. Dr. J.C.Mishra, IIT, Kharagpur
- ✓ 4. Dr. S.S.Alam, IIT, Kharagpur
5. Dr. U.C.Gupta, IIT, Kharagpur
6. Dr. P.R.Pathasarathy, IIT, Madras
7. Dr. P.V. Subrahmanyam, IIT Madras
8. Dr. Sudhir R.Ghorpade, IIT, Bombay
9. Dr. K.D.Joshi, IIT, Bombay
10. Dr. A.B.Raha, ISI, Calcutta
- ✓ 11. Dr. S.M.Srivastava, ISI, Calcutta
12. Dr. T.S.S.R.K.Rao, ISI, Bangalore
13. Dr. S.Pattanayak, Institute of Mathematics
14. Dr. A.K.Mishra, Berhampur University
15. Dr. S.K.Acharya, Sambalpur University

Department : Humanities & Social Sciences

1. Prof. P.Mishra (*Economics*), Utkal University
- ✓ 2. Prof. B.Chatterjee (*Economics*), IIT, Kharagpur
3. Prof. D. Malathy (*Economics*), IIT, Madras
4. Prof. A.K.Sharma (*Sociology*), IIT, Kanpur
- ✍ 5. Dr. (Mrs.) Rita Ray (*Sociology*), Utkal University

6. Prof. Rowena Robinson (*Sociology*), IIT, Bombay
7. Dr. G.Neelakantan (*English*), IIT, Kanpur
- ✓ 8. Prof. Sarat Chandra Satapathy (*English*), Utkal University
9. Prof. M.K.Mandal (*Psychology*), IIT, Kharagpur
10. Prof. D.Suar (*Psychology*), IIT, Kharagpur

ANNEXURE-9



NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA

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1. Introduction

- 1.1 The provisions contained in these regulations govern the conditions for imparting courses of instructions, conducting examinations and evaluation of students' performance leading to B.Tech. Degree.

This regulation is effective for the batches of students admitted in the Academic Session 2006 – 2007 onwards.

- 1.2 **Disciplines:** The disciplines in which the courses of study are available and degrees will be offered are:

1.	Ceramic Engineering	(CR)
2.	Chemical Engineering	(CH)
3.	Civil Engineering	(CE)
4.	Computer Science & Engineering	(CS)
5.	Electrical Engineering	(EE)
6.	Electronics & Communication Engineering	(EC)
7.	Electronics & Instrumentation Engineering	(EI)
8.	Mechanical Engineering	(ME)
9.	Metallurgical & Materials Engineering	(MM)
10.	Mining Engineering	(MN)

New disciplines may be added in future with approval of the BOG.

- 1.3 The provisions of this regulation shall also be applicable to any new discipline(s) that is(are) introduced from time to time and added to the list in Section 1.2.
- 1.4 The Board of Governors of the Institute may, on the recommendation of the Senate, change any or all parts of this Regulation at anytime.
- 1.5 Supplementary regulations, whenever necessary may be framed and implemented by the Senate.

2. Admission

- 2.1 Admission to all courses will be made in the Autumn Semester of each session at the First Year level through All India Engineering Entrance Examination (AIEEE), the counseling for which is done by Central Counseling Board.
- 2.2 Besides the successful AIEEE candidates a specified number of foreign nationals selected with the policy laid down by Government of India may be admitted directly to the 1st year of any of the courses covered by this regulation.
- 2.3 There is no provision of transfer of students from other NITs/Engineering colleges. However, in exceptional cases as defined and laid down by the Board of Governors, the Institute may admit students to a course on transfer from other NITs and IITs. Such admission may be made at any level considered appropriate except at 1st year level by a procedure to be defined by the Senate on case to case basis. In such cases a Subject Equivalence Committee will be formed by the Senate to recommend the courses to be taken by the student so admitted.
- 2.4 The Institute reserves the right to cancel the admission of any student and ask him/her to discontinue his/her studies at any stage of his/her career on grounds of unsatisfactory academic performance, irregular attendance in classes or indiscipline.

- 2.5 At the time of admission, the student is required to provide the following documents:

- (a) A certificate for proof of age (Birth certificate or Board certificate).
- (b) Pass certificate of the qualifying examination.
- (c) College / School leaving certificate.
- (d) Migration certificate (If applicable)

A provisional admission may be given if any of the certificates is not produced. It has to be submitted before a date to be fixed by the Senate, failing which admission will be cancelled and all fees deposited will be forfeited.

- 2.6 The department will assign a faculty member to each batch of students to serve as 'Faculty Adviser', who will continue to act till all students admitted in a batch graduate or leave the Institute. He will serve as a mentor to the students and shall proactively monitor their academic progress. He will approve selection of elective courses, liaison with course teachers in matters of students' attendance and performance, recommend leave of the students to HOD, and communicate with their parents. His role is critical in case of academically weak or de-motivated students, who need to be guided out of their academic or social situations.

3. Academic Calendar

- 3.1 The academic session is divided into two semesters each of approximately 17 weeks duration: An Autumn / Odd semester (July – December) and a Spring / Even semester (January – June). In addition a summer session (May – July) may be offered at the discretion of the Senate under special circumstances.
- 3.2 The AIEEE selected candidates have to take admission to the institute on the dates as per Academic Calendar approved by the Senate. Under special circumstances, e.g. foreign students nominated by the Government of India or a serious medical illness, the Senate may condone delay up to one month from the starting of classes.
- 3.3 The Senate will approve the academic calendar consisting of schedule of activities for a session inclusive of dates for registration, Mid-semester and End-semester examinations, inter-semester breaks etc. well in advance of start of a semester. The academic calendar shall usually provide for approximately 85 working days (including examination dates) in each semester.

4. Course Structure

- 4.1 The duration of the course leading to B.Tech. Degree will be four years.
- 4.2 The curricula for the different degree programmes as proposed by the respective departments and recommended by the Under-graduate Programme and Evaluation Committee (UGPEC) shall have the approval of the Senate. The departments will also prepare the syllabus of each subject containing the scope of studies and instructions to be imparted which must have the approval of the Senate.

- 4.3 All subjects would have a Lecture – Tutorial – Laboratory / Design component (L–T–P) to indicate the contact hours. The Tutorial (T) component may be absent in certain theory courses. In general design or laboratory courses will be offered as distinct (0 – 0 – P) courses without being mixed with lecture components. Some courses may have pre – and co-requisites. Co-requisite courses may be taken in the same or different semesters.

All subjects will have a credit count 'C'. Teaching of subjects will be reckoned in terms of credits.

- 4.4 In each of the first two semesters, there shall be two credits for Extra Academic Activity (EAA) / Physical Education consisting of 3 hours activity per week. The Physical Education may be N.S.S., N.C.C., Sports or any other physical activity. The detailed instructions will be imparted by the concerned faculty and/or officers. The Senate may, at its discretion, recommend EAA courses as electives in higher semesters.
- 4.5 The curricula to be followed in the first two semesters by the students of all disciplines are almost common. The Senate may alter the contents of 1st year curriculum for any branch keeping the total academic (credit) load unchanged.
- 4.6 The curricula for B.Tech. Course will include compulsory industrial or R & D training of 8 weeks duration after 6th semester only. The training may be taken in any reputed industry, research laboratory, IIT, NIT and any other organization of comparable repute. The place of training has to get prior approval of the Department. On completion of training, the student shall submit a report to the department, which will earn credit in the 7th semester. For certain branches of study, the Senate may prescribe additional practical training and study tours.
- 4.7 Under special circumstances, a student may be permitted by the Senate, or by the Chairman Senate on behalf of the Senate, to carry out a mini-project of 8 weeks duration at NIT Rourkela in lieu of the industrial training. Such a project, should preferably be based on a real life industrial problem.
- 4.8 The Project work will carry a total of 10 credits between 7th & 8th Semesters, the distribution being 4 & 6 (or 6 & 4) credits respectively.
- 4.9 When circumstances so permit, it will be possible for a student to spend a semester or more in another NIT, IIT or another reputed institute and transfer the credits. The core (compulsory) courses need to have a one-to-one correspondence between the participating institutions. The Senate shall constitute a course equivalence committee to establish the adequacy of the education received in another institution.

5. Registration

- 5.1 Every student in under-graduate programme is required to be present and register at the commencement of each semester on the date fixed and notified in the Academic Calendar.
- 5.2 Registration of students in each semester will be centrally organized by the Academic Section. The registration will be done in respective departments; the subject details being verified by the Faculty Adviser of the batch. Payment of dues etc. will be verified by the Academic Section. An appropriate semester registration form as enclosed in this book will be used for the purpose.

- 5.3 A student who does not register on the day announced for the purpose may be permitted, in consideration of any compelling reason, late registration within next 5 working days on payment of an additional late fee as prescribed by the Institute. Normally no late registration shall be permitted after the fifth working day from the scheduled date, except in special cases (like those directed by MHRD or MHRD approved authorities in 1st semester) to be approved by the Director on recommendation of Dean (AA). However, in any circumstances late registration after 45 days from the scheduled date of registration is not allowed. The attendance of MHRD approved students will be calculated from the date of their joining. However no special allowance may be claimed in the matter of assessment / evaluation.
- 5.4 In case of transfer from other NITs after the semester commences, such a student must produce his/her attendance statement from the concerned Institution in each subject at the time of admission.
- 5.5 (a) Only those students will be permitted to register who have
- (i) cleared all Institute and Hall dues of the previous semesters,
 - (ii) paid all required prescribed fees for the current semester,
 - (iii) not been debarred from registering for a specified period on disciplinary or any other ground,
 - (iv) registered in the previous semester and appeared in the previous semester examinations and
 - (v) satisfied the academic requirements outlined in Clause 5.8.
- (b) A student who was registered in the relevant semesters but could not appear in the End Semester examination due to illness, family calamity, or any other reason approved by the Senate can be allowed to register in the next higher semester provided he satisfies the conditions mentioned in para 9.3 (ii)(b). The application with supporting documents for such cases should reach the office of the Deputy / Assistant Registrar (Academic) at least 15 days prior to the date of registration.
- 5.6 To be able to register in the 2nd year (3rd semester) and continue his/her study in the Institute at the end of 1st year, a student must
- (i) complete satisfactorily at least two-thirds of the total credits registered for during the two semesters, i.e., have 'P' grade in at least two-third of the credits registered.
 - (ii) obtain a Cumulative Grade Point Average (CGPA) of not lower than 5.5(considering all courses including those in which the student has secured an F grade) calculated on the basis of combination of the best grades obtained by him/her to attain the above minimum credits (Semester Examination and Supplementary Examination, the Supplementary Examination grade being awarded according to Appendix-V para-5)

SGPA & CGPA calculation method is illustrated in Appendix-I.

If the CGPA at the end of the First year is between 5.0 and 5.5, the student may be permitted to suspend his/her studies and resume it in the following year later along with the next batch of students.

N.B. A student failing to complete satisfactorily both the above conditions even after going through supplementary examination is required to discontinue his/her studies after the 1st year and leave the Institute.

- 5.7 While registering for 3rd, 5th or 7th semester, a student may register for back papers of 1st, 3rd or 5th semester respectively and while registering for 4th, 6th or 8th semester, he/she may register for back papers of 2nd, 4th or 6th semester respectively. A separate registration form (same as supplementary examination application form) has to be filled up for this purpose. A student need not attend classes in paper registered as a "back paper". He has to sit for both mid-semester and end-semester examinations and the grade will be awarded based on the scores of the latest examinations. The Teacher's assessment component will be same as that given by the instructor in the original semester. If regulations and time table otherwise permit, a student may register for an even semester elective in odd semester and vice versa. A student may change an elective course if he satisfies the pre-requisites and timetable permits. The registration for back papers must be done at the time of semester registration.
- 5.8 A student can register for all the courses of the 5th, 6th, 7th or 8th semester provided he/she has obtained at least Pass (P) Grade in all subjects of 1st, 2nd, 3rd or 4th semester respectively; i.e., for registering in the full list of courses of any semester beyond 4th semester, a student must have cleared ALL courses studied two years earlier. Thus a student gets four chances to clear a paper. If the student still does not clear papers due 2 years earlier he has to register for the courses and attend classes. In case of elective courses, he may change the courses if he so desires. The Faculty adviser will help him in selecting courses for registration considering the students' academic ability and possible timetable conflicts. Starting with the lowest level courses (due two or more years earlier) he may take courses up to the current semester, the total credit load being lower than that of a normal student. The student and his faculty advisor must check the time table before deciding the courses.
- 5.9 The provisions of sections 5.7 and 5.8 will continue to be valid even after a student has attended classes for 8 semesters.
- 5.10 A student must pay full semester fees till he clears all courses even if he is registered for one course only in a particular semester.
- 5.11 The classes of all semesters will start from the day following the registration.
- 5.12 A student who has been debarred from appearing at an examination either (i) as per recommendation of the subject teacher for unsatisfactory attendance or (ii) by the Institute as a measure of disciplinary action or (iii) for adopting malpractice at an examination and consequently awarded a grade 'X', may register for the subject(s) after the term of the debarment expires, provided that other provisions of the regulation do not prevent him.
- 6. Attendance**
- 6.1 Attendance in all classes (Lectures, Tutorials, Laboratories, EAA etc.) is compulsory. A student may be debarred from appearing at an examination on ground of unsatisfactory attendance.
- 6.2 (a) Every student is required to obtain prior permission of the Academic authorities before availing leave.

- (b) A student can be granted leave up to a maximum of 5 working days (class days) in a semester by the concerned Head of the Department for any personal reason and 5 days for all other reasons (except medical ground). Leave for SAC or Training & Placement activity will be approved by HOD on the basis of written note from concerned Vice President or Professor, Training & Placement. Personal leave may be sanctioned only on genuine circumstances. Any such sanction will be noted in a register kept in the department office. Once the leave is granted, the student can show the H.O.D's approval to concerned subject teachers, so that this leave period will not be counted as absence. The subject teachers will note it in the attendance register and return the original to the student. [They, however, have discretion to ask for a photocopy for their records].
- (c) Similarly a student can be granted Medical Leave up to a maximum of 7 days in a semester by the Institute Doctor(s) on medical ground. The student has to show the medical prescription slip to concerned subject teacher who will mark as Medical Leave (M.L.) against the attendance.
- (d) For leave beyond this period due to prolonged illness or for participation in any national or international activities, the leave up to one month can be granted by Dean (AA) with due recommendation of Institute Doctor (if it is medical ground) or of Head of the Department if it is other than medical ground. Similar post sanction procedure has to be followed.
- (e) For any leave beyond one month but maximum upto 45 days, Director's sanction is necessary with due recommendation of Institute Doctor / H.O.D. All such leave applications should be routed through Dean (AA). A format of leave application as given in this book will be used for the purpose.
- (f) An approved leave will not to be considered as absence.

- 6.3
- (a) Absence in a subject without sanctioned leave is not permitted. If a student's absence is such that the course teacher feels that his/her preparation is not adequate to sit in the mid-semester or end-semester examination, he may recommend to the Office of Examination to debar the student from sitting in the examination. He, may, if he thinks fit, permit the student to sit in the Supplementary examination. In that case the student will be awarded one grade point less than what he scores, but not lower than a 'P' grade.
 - (b) A student may be given mess rebate (in units of one day) by the Warden of the hall for days of approved leave and permission to leave station. For this purpose he must produce the approval by the H.O.D. and submit a photocopy if the Warden so desires. In case of official duty or deputation on SAC activity mess rebate is admissible for all days. But in case of leave on personal or medical ground, the minimum absence including holidays if any must be 5 days.
 - (c) A student can get mess rebate in case of :
 - (i) leave on academic or SAC activities,
 - (ii) approved personal leave exceeding 5 days including holidays.
 - (iii) hospitalization or permission to leave station on medical ground, exceeding 5 days.

Intimation of absence must be made before leave is availed to qualify for mess rebate.

- (d) No sanction of leave by H.O.D. is necessary if a student wants to leave station over weekend or holidays and no mess rebate is admissible for such absence.

6.4 Those students debarred from appearing in examinations (including supplementary examination) on ground of poor attendance have to repeat the entire semester.

6.5 It will be the responsibility of the student to get his/her absence from classes condoned by the appropriate authority, in case a valid reason exists.

7. Assessment of Performance

7.1 There will be continuous assessment of a student's performance throughout the semester and grades will be awarded by the Subject Teacher / Coordination Committee formed for this purpose. The constitution of the Coordination Committee in multi section subjects is given in Appendix-II.

7.2 In general, there is no strict marks-to-grade linkage. The following should be taken as a guideline to ensure uniformity of grading among all courses.

- (a) For arriving at a grade obtained by a student for a particular subject, initially a numeric marks obtained by the student out of 100 (hundred) is to be determined and then, the same is to be converted to letter grade following the guidelines given in Appendix-III.

- (b) For subjects with a theory component, the subcomponents and the respective weights assigned to these are given below.

<u>Subcomponent</u>	<u>Weight</u>
Teacher's Assessment (T.A.)	20%
Mid-Semester Examination	30%
End-Semester Examination	50%

- (c) For assigning marks in Teacher's Assessment (T.A.) performance in home assignments, class tests, tutorials, viva-voce, attendance etc. are to be considered. At least two class tests for 4 credit theory and 1 test for 3 credit theory are to be conducted for a subject. The weights of different subcomponents of T.A. may be announced to the students by the teacher at the beginning of the Semester.

- (d) For assignment of marks in the laboratory component (P – component) the relevant subcomponents that are to be considered are: day-to-day work, regularity, tests (at least one in 2 credit practical and two in 4 credit practical) assignments, viva-voce etc. Percentage weights of the different subcomponents in deciding the final marks are to be announced at the beginning of the Semester.

- (e) In case of students given an F, I or X grade, the teacher must submit the marks under T.A. head to the Department Office for use in future.

- 7.3 The eight-week industrial training undergone by the students in the summer vacation will be assessed in the 7th semester. The students are required to submit written reports on the training received and give a seminar, on the basis of which a grade will be awarded. The students are also required to submit to the Head of the Department or to the faculty member in-charge, a completion certificate in the prescribed form from the competent authority of the organization where the training was received, without which he/she will not be assessed. The summer training of 8 weeks will carry 2 credits.

In special circumstances [See Section 4.7] a 8 week mini project may be carried out in lieu of industrial training. The same procedure applies to the mini project.

8. Project Work

- 8.1 The project is an important component of the Institute' B.Tech. programme. It gives an opportunity to the student to express his/her creative talents and prepare for his/her future career.
- 8.2 The Departmental Academic Committee will invite research topics for U.G. projects from its own faculty and from other departments across the Institute towards the middle of the 6th semester. One member of the Committee may be designated to coordinate this activity. Faculty members may propose project topics, singly or in collaboration with a colleague from the same or another department. Co-Supervisors from industry or other institutions may also be accepted.
- 8.3 The Departmental Academic Committee will assign research topics to students at the end of the sixth semester, after taking into consideration the requirements of the projects and choice of the students.
- 8.4 Each topic may be taken by a single student or a team of two students. In case of specially challenging problems, larger teams may work on a single problem, with the prior approval of Dean(AA).
- 8.5 B.Tech. projects may be analytical, computational, experimental or developmental or combination thereof. The department will make the necessary resources available to the students, including access to laboratory and computing facilities outside normal working hours.
- 8.6 Each team of students, consisting of one or more members and working on a single problem, will be given an official "Project Record Book" by the Institute. All concepts, drawings, formulas, derivations, experimental observations, graphs, charts, photographs, computer flow charts and pseudo codes must be recorded by the student on this note book, which must be produced before all evaluation boards. There shall no blank pages in between the writings.
- 8.7 The student is required to submit a formal project report at the end of 7th and 8th semester; that submitted at the end of the 8th semester being in the form of a well bound thesis. The Departmental Academic Committee will constitute one or more evaluation boards, for continuous monitoring of the projects. The Boards will examine the day to day records and conduct viva-voce and/or oral presentations by the students at least twice in each semester.
- 8.8 For the purpose of assignment of a grade the following will be weightage of the different components.

Supervisor's assessment
(twice in a semester 20% + 20%) = 40%

Assessment by Evaluation Boards
through oral presentation and
viva-voce (20% + 20%) = 40%

Project Report = 20%

- 8.9 On completion of evaluation, the Departmental Academic Committee or its subcommittee constituted for the purpose shall decide the grade awarded. If the performance of a student is unsatisfactory, the Committee may recommend one of the following:

- (i) rewriting of report and submission for evaluation,
- (ii) extension of time for completion of the work (the time duration is to be specified),
- (iii) complete repetition of the project in the following year.

The resubmitted thesis will be evaluated by the Committee and the grade will be sent to the examination office.

- 8.10 Rights to all intellectual property generated in project shall be distributed equally among the students, technicians and the supervisors, except where the concerned workers mutually settle on a distribution. If a project is supported by a sponsor, the sponsoring organization will be given IPR as per the contract, and the balance divided among the faculty, students and technicians.

9. Examinations

- 9.1 The Examination office of the Institute will centrally conduct the Mid-semester and End-semester Examinations in respect of theory components of the subjects unless otherwise arranged. The answer scripts will be dispatched to the Subject Teacher (Examiner) on the same day or the immediate next working day of the examination. If the concerned examiner is not available on that day, the copies will be handed over to the respective Heads of the Department (or Department office) who will pass on the copies to the concerned examiners at the earliest. It is the joint responsibility of the subject teacher (examiner) and the HOD to ensure that the scripts are examined and the grades submitted before the due date.

- 9.2 (a) A student will be permitted to appear in an examination, only if he/she has:

- (i) attendance record to the satisfaction of the subject teacher in the theory and laboratory classes and has completed the assignment works given.
- (ii) paid all Institute and Hall dues of the semester.
- (iii) not been debarred from appearing in the examination as a result of disciplinary proceedings.

- (b) A student may be debarred from appearing at the Mid-Semester or End-Semester Examination in the subject on the report of Subject Teacher / Chairman, Coordination Committee, if his/her

- (i) attendance at lecture/tutorial/laboratory classes in that subject has not been satisfactory during the period, and/or,
- (ii) performance in the assignment works in that subject during the semester has not been satisfactory.

9.3 (i) Class tests, assignments, tutorials, viva-voce, laboratory assignments, etc., are the constituent components of continuous assessment process, and a student must fulfill all these requirements as prescribed by the teacher / coordination committee of the subject. If due to any compelling reason (such as participation in national / international events with due approval of the institute, his/her illness, calamity in the family, etc.) a student fails to meet any of the requirements within/on the scheduled date and time, the teacher/coordination committee in consultation with the concerned Head of the Department may take such steps (including conduction of compensatory tests/examinations) as are deemed fit.

(ii) (a) "Appearing both at the . Mid-Semester and End-Semester Examination in the theory component of a subject is compulsory. Normally, if a student fails to appear in the Mid-Semester Examination without any valid reason he/she should get zero for that component. If such case is examined and cleared as per Clause 9.3 (ii)(b), the student will be permitted to sit for Alternative Mid-Semester examination, which will be conducted by the Departments as per convenience. Similarly, if a student fails to appear in the End Semester examination he/she will be assigned 'I' grade in the subject. Such student can appear at Supplementary Examination but is entitled to one grade less (Rules for Supplementary Examination – Appendix–V of Regulation) unless exempted as per Clause 9.3 (ii)(b)".

(b) If a student misses the End-Semester Examination due to compelling reason like participation in an national / international event with due approval of the Institute, serious illness of himself/herself or a calamity in the family, he/she may appeal to the Dean, Academic Affairs, through his/her faculty advisor and Head of the Department for permitting him/her to appear at the Supplementary Examination(s) subject to fulfilling of attendance requirement. If it is medical ground, the student has to submit the medical certificate from the Institute Doctor or the recommendation of the Institute Doctor for treatment elsewhere. In case of treatment outside the Institute (including hospitals referred by the Institute), the student must produce all medical documents (discharge certificate, prescriptions, visit slips, pathological reports, medicine purchase receipts etc.) in original. The reason for leaving the campus must also be genuine and with permission of competent authority. In case of family calamity the student's application must be supported by a letter from the parent/local guardian along with copies of documents such as medical records, death certificates (if that happens). A Sub-committee of the Under-graduate Programme & Evaluation Committee (UGPEC) consisting of the following members may, after examining the documents and being convinced about the merit of the case, recommend permitting him/her to appear in the Supplementary Examination(s) with full credit condoning his/her absence. In case of prolonged illness of a student, if he/she misses both the End-Semester Examination and its Supplementary, the student can carry over the back paper with full credit after recommendation of the above committee.

If a student misses the Mid-Semester Examination due to illness / family calamity / participation in co-curricular activities outside the Institute with sponsorship of the Institute, his/her case will be treated in a similar way as in case of non-appearance in End-Semester Examination.

In these cases the student shall be awarded an 'I' grade till he clears the paper.

UGPEC Sub-Committee

(i)	The Dean of Academic Affairs	-	Chairman
(ii)	The Dean of Student Affairs	-	Member
(iii)	Concerned Head of the Department	-	Invitee
(iv)	One Medical Officer	-	Invitee
(v)	The Professor-In-Charge of Examination	-	Member
(vi)	Deputy/Assistant Registrar (Academic)	-	Secretary

- 9.4 A student will be permitted to appear in the examinations in only those subjects for which he/she has registered at the beginning of the semester and has not been debarred.
- 9.5 The final grades awarded to the students in a subject must be submitted by the Teacher / Chairman, Coordination Committee, within ten days from the date of holding the Examination to the concerned Head of the Department for onward transmission to the Examination Office, which has to be done by the Head on the same or next working day. The teacher will submit a separate report on all students obtaining F grades as per form given in Appendix - XI.
- 9.6 The Examination Office will put the results and statistical reports of all examinations in UGPEC, which will recommend to the Senate for publication. In case the Senate meeting is delayed, the recommended results can be published with approval of the Chairman, Senate. The same may be ratified by the Senate at its next meeting.
- 9.7 For the benefit of and as a process of learning by the students, the scripts after correction of all class tests, Mid-semester Examinations, assignments etc. will be shown to the students within 3 weeks from the date of Tests / Examinations. The evaluated scripts of the End-Semester Examinations are to be shown to the students at the beginning of the next semester, but not later than 2 weeks from the starting of classes.
- 9.8 Any change of grade of a student in a subject, consequent upon detection of any genuine error of omission and/or commission on part of the concerned teacher, must be approved by the Departmental Academic Committee and must be forwarded by the Head of the concerned Department to the Examination Office within three weeks from the date of commencement of the next semester. Every Department will send one comprehensive report for each semester in a standard format.
- 9.9 If a student is dissatisfied with his/her grade, he/she may bring it to the attention of the teacher within two weeks from the first day of commencement of classes in the next semester. The teacher may change the grades if he finds an error in evaluation. The teacher will report the change of grade to the Departmental Academic Committee along with all relevant papers (answer scripts, attendance register etc) before a specified date. The DAC will submit a consolidated report as per standard form (Appendix – XII) to the Examination office for correction of

records. If the student still feels aggrieved, he/she will file a formal complaint with Dean (AA) through his/her faculty advisor and HOD with a copy to the teacher (evaluator). If no complaint is filed within one month from the first day of classes in the next semester, the student is deemed to have accepted the results and no further change of grade is permitted.

- 9.10 The teachers are expected to retain all answer scripts, assignments and laboratory records for a period of two months from the starting of classes in the next semester. After that the material may be disposed off, except for the students who have filed a complaint. In case of complaint, the material need to be saved till all disputes are settled and final grade awarded.
- 9.11 In order to provide an additional opportunity to the students who failed (obtained an 'F' grade) in one or more subjects components in either the Autumn and/or the Spring Semester in a year, Supplementary Examinations equivalent to the End-Semester Examination arranged centrally by the Examination Office, will be conducted at the end of June (before commencement of the next session) every year. Regulations relating to the Supplementary Examination are given in Appendix-V.

10. Graduation Requirement

- 10.1 In order to qualify for a B.Tech. degree of the Institute covered under these Regulations, a student must:
- (a) Complete all the credit requirements for the degree, as laid down in the prescribed curriculum of the discipline, with a minimum grade 'P' scored in every subject.
 - (b) Obtain a CGPA of 6.00 or higher at the end of the semester in which he/she completes all the requirements for the degree.
 - (c) Have cleared all dues of the Institute, the Hall of Residence, the Library, the Department, N.C.C. and other student activity centres.
- 10.2 The minimum total credit requirements that has to be satisfactorily completed for the award of B.Tech. degree will vary between 210 – 215 depending on the course structure of various departments or as decided by the Senate from time to time.
- 10.3 Normally a student should complete all the requirements consecutively in eight semesters for B.Tech. degree. Academically weaker students may be granted time up to 12 semesters for 4-year courses to complete all the requirements for the degree. However, in special cases the Senate may further extend this limit for completion of all requirements for the degree to 14 semesters for four year courses, depending upon the merit of the case.

11. Conduct and Discipline

- 11.1 Students shall conduct themselves within and outside the campus of the Institute in a manner befitting the students of an Institution of National standing.
- 11.2 Detailed rules regarding conduct and discipline are given in Appendix-VI.

12. Change of Branch

- 12.1 The students admitted to a course leading to B.Tech. degree in a particular branch will ordinarily be required to continue in that branch of studies.
- 12.2 However the Institute may permit a few students, subject to their fulfilling the prescribed conditions to change over from one branch to another after second semester. Detailed rules governing the change of branch are given in Appendix-VII.

13. Residence

- 13.1 The Institute is essentially a residential one and unless otherwise exempted / permitted, every student shall be required to reside in and be a boarder of Hall of Residence to which he/she is assigned.
- 13.2 A student permitted to stay outside the Halls, will be attached to one of the Halls, according to his year of study. He is permitted to participate in all the Hall activities. All female students permitted to stay outside the Hall will be attached to the Ladies Hall.
- 13.3 The terms and conditions that a student must fulfill during his/her stay in a Hall of Residence are mentioned in Appendix-VIII.

14. Fees

A student admitted to any course shall be required to pay, at the time of joining, and also in subsequent semesters, prevalent tuition and other fees as prescribed by the Institute till he/she is on roll including the period beyond the normal four-years duration. Normally the fee structure will not change during the programme; but if the Institute revises the structure in the middle of a programme, a student is obliged to comply.

The fees will be collected under the broad heads: Admission fee, Tuition fee, Students' Activity fee, Hall seat rent, Caution money, Alumni fee, Convocation fee and Miscellaneous fees. Boarders will also pay all Hall dues in time. Day scholars have to pay part of the Hall fees such as Hall Admission, Hall Common Room and Hall Establishment fees and any other fee fixed by the Senate from time to time. Caution money collected will be returned at the end of the programme after due adjustment, if any, except for those who leave the Institute prematurely.

15. Refund

- 15.1 If a student is removed or he withdraws/leaves the Institute in the mid-session without completing the entire course, all fees paid including the caution deposit and mess security will be forfeited by the institute. Mess advance may be refunded after deduction of dues, if any.
- 15.2 If a student withdraws from the institute within 30 days from his/her date of admission, on necessary approval of the withdrawal request, following deposits may be refundable after deduction of dues, if any:
 - (i) Institute General caution money
 - (ii) Mess Security
 - (iii) Mess Advance.

- 15.3 If a student finally leaves the Institute on successful completion of the course, caution money and mess security deposits are refundable after deduction of dues and charges, if any.
16. **Exceptions:**
- 16.1 Notwithstanding anything stated in the rules, the Senate can make special provisions and exceptions depending on the merit of a case. Such cases shall not be cited as precedence in future occasions of similar nature.
- 16.2 In emergency situations, the Director in capacity of the Chairman Senate, can exercise powers of the Senate and discharge the functions of the Senate. Such decisions must be reported to the Senate at its next meeting.

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Appendix – I

GRADING SYSTEM

1. As a measure of students' performance a 7-scale grading system using the following letter grades and corresponding grade points per credit, shall be followed:

Performance	Letter grade	Grade point per credit
Excellent	Ex	10
Very Good	A	9
Good	B	8
Fair	C	7
Average	D	6
Pass	P	5
Fail	F	2

(if appeared in the End Semester Exam)

In addition, there shall be two transitional grading symbols which can be used by the examiners to indicate the special position of a student in a subject.

I - for "Incomplete Assessment"
X - for "Debarred"

2. Semester Grade Point Average (SGPA) will be computed for each semester. The SGPA will be calculated as follows:

$$SGPA = \sum_{i=1}^n c_i g_i / \sum_{i=1}^n c_i$$

Where 'n' is the number of subjects registered for the semester, 'c_i' is the number of Credits allotted to a particular subject, and 'g_i' is the grade points carried by the letter corresponding to the grade awarded to the student on the subject. SGPA will be rounded off to the second place of decimal and recorded as such. The SGPA would indicate the performance of the student in the semester to which it refers.

3. Starting from the second semester at the end of each semester S, a Cumulative Grade Point Average (CGPA) will be computed for every student as follows:

$$CGPA = \sum_{i=1}^m c_i g_i / \sum_{i=1}^m c_i$$

Where 'm' is the total number of subjects the student has registered from the first semester onwards up to and including the semester S, 'c_i' is the number of Credits allotted to a particular subject s_i and 'g_i' is the grade point carried by the letter corresponding to the grade awarded to the student for the subject s_i. CGPA will be rounded off to the second place of decimal and recorded as such. All courses registered including EAA will count towards calculation of SGPA and CGPA. In addition to registered courses, a student may 'audit' additional courses with the consent of the teacher. Those courses will not appear in official records and will not count towards calculation of SGPA and CGPA.

The CGPA would indicate the cumulative performance of the student from the first semester up to the end of the semester to which it refers.

The SGPA, CGPA and the grades obtained in all the subjects in a semester will be communicated to each student at the end of every semester.

For determining the *inter se* merit ranking of a group of students, only the rounded off values of the CGPAs will be used.

4. When a student gets the grade 'I' for any subject(s) during a semester the SGPA of that semester and the CGPA at the end of that semester will be tentatively calculated ignoring this (these) subjects. After the 'I' grade(s) has (have) been converted to appropriate grades, the SGPA and CGPA for that semester will finally be recalculated after taking into account this (these) grade(s).
5. When a student gets the grade 'F' in any subject during a semester, the SGPA and the CGPA from that semester onwards will be tentatively calculated, taking only '2' points for each such 'F' grade. After the 'F' grade(s) has/have been substituted by better grades during a subsequent semester, the SGPA and the CGPA of all the semesters, starting from the earliest semester in which the 'F' grade has been updated, will be recomputed and recorded to take this change of grade into account.

Appendix – II

CO-ORDINATION COMMITTEE FOR U.G. COURSES

Composition

One Co-ordination Committee will be constituted for each subject taught by more than one teacher of one or more Departments / Centres. Each committee will consist of all the teachers who are involved with the teaching of the subject during the semester.

One of its members will be nominated by the Head of the Department, under whose name the subject is being offered, to act as its Chairman.

Tenure

The semester in which the subject is being offered.

Functions

- (i) To lay down the course plan for the subject.
- (ii) To coordinate instructions and progress of teaching in the subject and to ensure that the full syllabus is covered.
- (iii) To review periodically the performance of students who have registered in the subject.
- (iv) To forward the results of the examinations and the final grades obtained by each student taking the subject, to the concerned Head of the Department.
- (v) Fix up the question setter, (from among the teachers teaching the particular subject).
- (vi) To moderate the question papers on the subject and ensure that the syllabus is well covered by the question papers.

Frequency Meetings

Each Coordination Committee shall meet at least four times during the semester.

Appendix – III

GUIDELINES FOR AWARD OF LETTER GRADES

1. In general there shall be no rigid marks-to-grade linkage. Difficulty levels of the examinations, tests, assignments, viva-voce and other factors that contributed to the final marks are to be considered by the teacher / coordination committee of a subject while converting marks into letter grades.
2.
 - (a) The grades 'F' and 'Ex' are to be considered as bench mark grades.
 - (b) The cut-off marks below which a student would be assigned and 'F' grade is 35 for the theory component and 40 for the laboratory component.
 - (c) The exceptionally brilliant performance is to be assigned an 'Ex' grade. Even the best student of any class needs to be good enough to be awarded the 'Ex' grade.
3. In case of a relatively large class and/or classes where the performance level depicts more or less a normal distribution:
 - (a) The average performance (around mean value of marks) is to be assigned 'C' grade. However, if by teacher's/coordination committee's perception the general level of the class is considered to be appreciably high, the average performance may be assigned 'B' grade.
 - (b) All other marks for grade conversion are to be done relatively with respect to the average performance in between (but excluding) the 'F' and 'Ex' grades, which have already been assigned, by choosing appropriate boundary marks between grades.
 - (c) Normally, in a reasonably large class of students distribution of grades is expected to be as follows:

Ex	:	< = 10%
A	:	10 – 20 %
B,C,D	:	20 – 35%
P	:	10 – 25%
F	:	0 - 5 %
4. In the case where a student appears in the supplementary examination, the conversion from marks to grade would be done applying the same norm as was framed for the original class.

Ordinarily a student appearing in a supplementary examination in a theory course or repeating experiments in a laboratory / design course will get one grade less than what he/she deserves otherwise, but not less than P grade. In special circumstances, such as participation in a national/ international event, illness of self or a family calamity, the Senate may permit supplementary examination or repetition of laboratory/ design classes with full credit.

5. For classes where excessive bunching occurs resulting in almost all the marks tending to cluster into same category, conversion from marks to grade may be done using the table given below. However, the teacher may, on his/her perception of the difficulty level of assessment process undertaken, alter the boundary (cut-off) marks by +/- 5 marks.

<u>Range of Marks</u>	<u>Grade</u>
(90 – 100)	Ex
(80 – 90)	A
(70 – 79)	B
(60 – 69)	C
(50 – 59)	D
(35 – 49)	P for Theory Component
(40 – 49)	P for Laboratory Component
< 35	F for Theory Component
< 40	F for Laboratory Component

6. The Coordination Committee will moderate the results of the different sections of a class if wide disparity in performance across sections are observed.
7. All the requirements for the laboratory component are to be satisfied by a student within deadline set-up by the teacher/coordination committee before the start of the end-semester examination. If a student due to a genuine reason like participation in national / international event or illness of himself/herself or calamity in the family, cannot complete a particular course, the teacher/coordination committee may allocate him/her additional time. In this case an I-grade if needed may temporarily be allocated to the student in the subject. However, the requirement in any case has to be fulfilled within 2 months after the end of the end-semester examination and the grade finalized.
8. There is no provision for supplementary examination in the laboratory component. If a student cannot clear the laboratory component of a particular subject, he/she will be assigned the grade 'F' in that subject. In extra-ordinary circumstances, to be decided by the institute authority in consultation with subject teacher and concerned Head of the Department, such students may be given a chance to complete the laboratory requirement in the summer vacation. If the student cannot satisfactorily complete the laboratory work and again gets 'F' Grade in the laboratory, he/she has to repeat the subject in the next academic year after clearing which he/she will be allowed to register in the higher semester.

Appendix – IV

PERCENTAGE CONTRIBUTION in courses with both theory and laboratory components

(As a Transition Measure)

L	T	P	Credit	Theory L – T	Laboratory P
4	0	0	4	100	0
3	0	0	3	100	0
3	0	3	5	60	40
3	1	0	4	100	0
3	1	3	6	66.67	33.33
3	1	6	8	50	50
2	0	0	2	100	0
2	1	0	3	100	0
2	1	3	5	60	40
0	0	6	4	0	100
0	0	3	2	0	100
0	0	2	1	0	100

Mixed [Theory and Laboratory] courses are discouraged by the Institute as a matter of policy. Preferred distributions are : 3-0-0 [3 credits], 3-1-0 [4 credits], 0-0-3 [2 credits], 0-0-6 [4 credits] and 4-0-0 [4 credits].

Appendix – V

RULES REGARDING SUPPLEMENTARY EXAMINATION AND SUMMER COURSES

1. Except as specified in Clause 9.3(ii)(b), a student will be eligible to appear in the supplementary examination in a subject if he obtains grade F, X or I. There is no provision for improvement of grade, if it is P or higher.
2. A student will ordinarily not be allowed to appear in more than 5 (five) subjects in the supplementary examinations.
3. Intending students must submit their application in the proforma given in this book through his/her faculty advisor and his/her Head of the Department, along with the necessary fees to the Examination office by the date as announced by the office.
4. The supplementary examination shall be held on such dates as laid down in the Academic Calendar for the year or as notified separately.
5. The grade in the subject scored by the student appearing in the supplementary examination will be recomputed by substituting the marks scored in the last end-semester examination by that scored in the supplementary examination. *Unless exempted as per regulation in Clause 9.3 (ii)(b), a student is entitled only to one grade lower than the actual grade thus scored, except that the performance grade 'P' remains unaltered, as elucidated in the table below:*

<u>Grade Obtained</u>	<u>Grade to be awarded</u>
F	F
P	P
D	P
C	D
B	C
A	B
Ex	A

6. The final grade awarded to the students must be sent to the Examination Office within 5 days of receipt of answer scripts.
7. When the situation so demands, e.g. large number of students failing in a subject, the Institute may decide to offer summer courses to students with an F grade in Autumn or Spring semester. Attendance in such a course shall be compulsory and no supplementary examination shall be offered in the subject.
8. A student can register for a maximum of three summer courses. The maximum number of courses in *supplementary examinations as stated in clause 2* will be reduced by the number of summer courses taken.
9. If a student secures at least P grade in a course, he will not be permitted to upgrade his grade in that particular course. However, for enhancement of knowledge he/she can audit that course during summer courses with the consent of the course teacher by payment.

Appendix – VI

RULES REGARDING CONDUCT AND DISCIPLINE

Following rules shall be in force to govern the conduct and discipline of all students:

1. Students shall show due respect to the teachers of the Institute, the Wardens of the Halls of Residence, the Sports Officers of the Athletics and the Officers of the National Cadet Corps; proper courtesy and consideration should be extended to the employees of the Institute and of the Halls of Residence. They shall also pay due attention and courtesy to visitors.
2. Students are required to develop a friendly relationship with fellow students. In particular, they are expected to show kindness and consideration to the new students admitted to the Institute every year. Law bans ragging in any form to any body. Any act of physical or mental pressurization of junior students, individually or in group, will be considered as an act of ragging. Ragging will be considered as gross indiscipline and will be severely dealt with, which may include expulsion from the institute.

If a junior student yields to any form of ragging by senior students and does not inform the Institute or hall authorities, and willfully withholds the information in an enquiry of ragging incident, the matter will be treated as indiscipline on the part of the junior student.

3. The following acts of omission and/or commission shall constitute gross violation of the code of conduct and are liable to invoke disciplinary measures:
 - ❖ Furnishing false statement of any kind in the form of application for admission or for award of scholarship or prizes etc.
 - ❖ Furnishing false statement to the Disciplinary Committee. Or willfully withholding informations relevant to an enquiry.
 - ❖ Displaying lack of courtesy and decorum; resorting to indecent behaviour any where within or outside the campus.
 - ❖ Willfully damaging or stealthily removing any property / belongings of the Institute, Hall or fellow students.
 - ❖ Possession, consumption or distribution of alcoholic drinks or any kind of hallucinogenic drugs.
 - ❖ Adoption of unfair means in the examinations.
 - ❖ Organizing or participating in any group activity except purely academic and scientific programmes in company with others in or outside the campus without prior permission of the Dean of Students' Affairs.
 - ❖ Mutilation or unauthorized possession of library books.
 - ❖ Resorting to noisy and unseemly behaviour, disturbing studies of fellow students.

- ❖ Not intimating his/her absence to the Warden of the hall before availing any leave.

Commensurate with the gravity of the offence, the punishment may be reprimand, additional work in the institute, debarment from student activities and elections, debarment from medals and prizes, debarment from campus placement, fine, expulsion from the Hall, rustication for a specified period or even outright expulsion from the Institute.

4. For an offence committed (a) in a Hall of Residence, (b) in the Department or a class room and (c) elsewhere, the Warden, the Head of the Department and the Dean of Students' Affairs, respectively, shall have the authority to reprimand or impose fine or take any other suitable measure. All cases involving punishment other than reprimand shall be reported to the Chairman of the Standing Disciplinary Committee.
5. (a) All major acts of indiscipline, which may have serious repercussion on the students in general and/or which may warrant a uniform and more formalized nature of investigation, shall be handled by the Standing Institute Disciplinary Committee appointed by Senate. The standing Disciplinary Committee consists of the following ex-officio and other members:

(1) Dean of Students' Affairs	-	Chairman
(2) Warden, Halls	-	Member
(3) Superintendents, Halls of Residence of the concerned students	-	Member
(4) Two members of faculty nominated by the Senate, for a period of two years	-	Member
(5) Two senior students nominated by the Director	-	Member
(6) Deputy / Assistant Registrar (Academic)	-	Member Secretary
- (b) Recommendation of the committee, which will include the suggested punishment in cases of guilt proven, will be forwarded to the Chairman, Senate for necessary action.
- (c) The Director, at his discretion may take additional measures keeping in mind long term issues and impact on other aspects of Institute management. The Director in capacity of Chairman, Senate may make minor changes in the nature of punishment awarded or reduce the quantum of punishment if he feels appropriate. But he shall not increase the quantum of punishment awarded.
On approval of Director, the Deputy / Assignment Registrar (Academic) will bring out appropriate orders with copies to the parents / guardians of the student.
- (d) If the Director feels that the nature and/or quantum of punishment is not commensurate with the offence and may create long term problems, he may refer the matter to the full Senate. The Senate's decision in the matter will be final.

6. Acts which may be classed as 'crimes' rather than acts of indiscipline will be reported to the state authorities; they include such acts as causing serious injury to fellow students or others, causing major damage to Institute property, being involved in activities prejudicial to national security or to that maintaining communal harmony etc.
7. Cases of adoption of unfair means in an examination shall be dealt with by the Examination Disciplinary Committee consisting of the following members:
 - (1) A Senior Professor, nominated by the Senate - Chairman
 - (2) The concerned examiner(s) & the faculty reporting the incident - Members
 - (3 & 4) Two members of faculty nominated by the Senate for a term of two years - Members
 - (5) Professor in charge Examinations - Secretary

If adoption of unfair means is proved, the punishment may be, depending on the quantum of the offence and prior record, reduction of grade, de-registration of a course, expulsion for one or more semesters or outright expulsion from the Institute.

The Committee shall recommend appropriate measures in each case to the Chairman of the Senate for awarding the punishment.

8. Any act of indiscipline in a hall will be investigated by a Hall Disciplinary Committee which will recommend the action to the Superintendent, Halls of Residence, who will decide the course of action to be taken and implement it. However, in case the matter is in serious nature, the Superintendent will forward it to the Dean (SA) through Warden, Hall. The Dean (SA) who is the Chairman of the standing Institute Disciplinary Committee may take necessary action. The Hall Disciplinary Committee consists of the following members:
 - (i) Assistant Superintendent - Chairman
 - (ii) General Secretary - Member
 - (iii) One boarder of the hall to be nominated by the Warden in consultation with the Superintendent - Member
9. Any act of the indiscipline and steps taken by the Director will be reported to the Senate in its next meeting. If opportunity still exists, the Senate may deliberate and alter the nature and/or quantum of punishment awarded.
10. A punishment, once awarded and notified cannot be changed by the Director, the Standing Disciplinary Committee, or any administrative authority. However, when new facts come to light, the Senate can amend the punishment and take any other corrective measures that it feels appropriate.
11. Ordinarily minor disciplinary offences and punishments will not be reflected in a students' Conduct Certificate. But in serious cases, Disciplinary Committee the Director or the Senate may decide to enter an appropriate entry in the students' Conduct Certificate.

Appendix – VII

RULES FOR CHANGE OF BRANCH

1. A student admitted to a particular branch of the B.Tech. Course will normally continue studying in that branch till completion.
2. However, in special cases the Institute may permit a student, admitted through AIEEE or other approved avenues to change from one branch of studies to another after second semester, provided vacancies exist in such branches. However, the remaining strength of the source branch will not be allowed to fall below 50% of the sanctioned strength.
3. Only those students will be eligible for consideration for a change of branch after the second semester, who have -
 - (a) Completed all the credits prescribed in the first and second semesters of their studies, in the first attempt, without having had to pass any course requirement in the supplementary examination or through summer course
 - (b) Must have secured a CGPA not less than 8.0 (1st and 2nd semester taken together).
4. Application for a change of branch must be made by intending eligible students in the form prescribed for this purpose. The Academic office will call for application sometime before start of summer vacation and the completed forms must be submitted to this office by the last date specified in the notification.
5. Students may enlist all the available choices of branch, in order of preference, to which they wish to change over. It will not be permissible to alter the choices after the application has been submitted.
6. Change of branch shall be made strictly on the basis of *inter-se-merit* of the applicants. For this purpose the CGPA obtained at the end of the Second (Spring) Semester shall be considered. Ties will be broken by the AIEEE rank.
7. In order to avoid delay in change of branch, the branch change shall be made on the basis of 2nd semester CGPA after it is passed by UGPEC and approved by the chairman, Senate. In the event of a student securing above 8.0 on verification of his evaluated answer scripts, the student (if interested for a branch change) can be allotted a branch commensurate with his grade, irrespective of whether a seat is vacant in that branch or not. This seat will be over and above the sanctioned strength of that branch.
8. All changes of branch made in accordance with the above rules will be effective from the Third (Autumn) Semester. No changes of branch shall be permitted thereafter.
9. All changes of branch will be final and binding on the applicants. No student will be permitted, under any circumstances, to refuse the change of branch offered.
10. Notwithstanding the provisions of foregoing paragraphs the Senate may, under very special circumstances, permit the transfer of a student from one branch to another, in deviation of the above mentioned rules. In each such case the special reasons for which the transfer is permitted must be recorded in the Senate resolution. Such transfers, if any, will be over and above the regular transfers, and their number will not be counted in the computation of 'Actual Number of Students' in a given branch.

Appendix – VIII

RULES RELATING TO RESIDENCE REQUIREMENTS

Following are the detailed rules governing residence requirements of students:

1. The NIT, Rourkela is a totally residential institution and all students are required to stay in one of the Halls of Residence.
2. Under special circumstances, the Director may permit a student to reside with his/her Parent/Guardian in the Institute Campus or within a reasonable distance from the Institute. Such a student shall, however, be attached to a Hall of Residence and will be required to pay certain dues as decided by the Warden of the Halls. However, this permission may be withdrawn at the discretion of the Institute, at any time considered appropriate without assigning any reason.
3. The mess of each Hall of Residence shall function as a single integrated unit and shall not, under any circumstances be sub-divided into any kind of groups or sub-groups.
4. The allotment of rooms in a Hall should be directed towards integration of students of different courses, batches, residential districts and communities. Superintendents may reshuffle allotment in the middle of a year if this objective is not met adequately.
5. No married accommodation shall be provided to any student of the undergraduate courses.
6. No student shall come into or give up the assigned accommodation in any Hall of Residence without prior permission of the Warden, Halls.
7. A student shall reside in a room allotted to him/her and may shift to any other room only under the direction/permission of the respective Superintendent.
8. Students shall be required to make their rooms available whenever required for inspection, repairs, maintenance or disinfecting and shall vacate the rooms when leaving for the vacations/holidays.
9. Students shall be responsible for the proper care of the doors, windows, furniture, fan, and other fittings in the rooms allotted to them and shall generally assist the Superintendent in ensuring proper use, care and security of those provided in the Halls of common use of all students.
10. Students will be responsible for the safe keeping of their own property. In the event of loss of any personal property of a student due to theft, fire or any other cause the Institute shall accept no responsibility and shall not be liable for payment of any compensation.
11. Engaging personal attendants, keeping pets and use of appliances like electric heater, refrigerator etc. by a student in the Hall of Residence are prohibited.

Appendix – IX

DEPARTMENTAL ACADEMIC COMMITTEE (UG)

There shall be one Departmental Academic Committee in each Department, which will be responsible for smooth functioning and monitoring of all academic activities relating to the Department.

Composition

1. The Head of the Department or a senior member of the faculty designated by him - Chairman
2. Four to six faculty members - Members

Members to the DAC will be co-opted covering each specialization of the department. A faculty member without Ph. D. degree should not be a member of DAC.

In very small departments one or more faculty members of other departments may be co-opted by the HOD with approval of Dean(AA).

One or more external members may be co-opted by the Chairman, DAC on specific occasions such as syllabus making for new courses, revamping of present syllabus etc. The tenure of the Departmental Academic Committee shall be two years.

Functions

- 1) To decide the course structure and detailed syllabus of the subjects offered by the Department.
- 2) To assign teaching duties to the teachers and to make the facilities available for teaching.
- 3) To allot faculty advisors to the new batches of students admitted.
- 4) To consider any change of grade of a student in a particular subject / subjects due to any omission / commission and recommend (Clause 9.8 of regulation).
- 5) To review the cases of weak students and decide appropriate action in advance in coordination with faculty advisors.
- 6) To assign under-graduate Projects to the teachers of the Department.
- 7) To constitute evaluation boards for projects, viva voce, training reports etc.
- 8) To monitor delivery of instruction and ensure that all classes are held as per regulation.
- 9) To guide teachers towards ensuing continuous evaluation by conducting class tests, giving assignments etc.
- 10) Moderate question papers if so necessary.
- 11) To decide award of medals and prizes wherever available based on departmental merit or activities.
- 12) Any other duties to be assigned by the Senate.

The DAC will meet as often as necessary. Faculty advisors and other members of the faculty may be invited to meetings when necessary. The DAC's recommendations may, if situation so demands, be discussed and amended by a meeting of the Full faculty of a Department.

Appendix – X

UNDERGRADUATE PROGRAMME & EVALUATION COMMITTEE

Composition

1.	Dean (Academic Affairs)	-	Chairman
2.	Dean (Students' Affairs)	-	Member
3.	Professor In-charge, Time Table	-	Member
4.	Chairmen of all Departmental Academic Committees	-	Members
5.	Head, Central Workshop	-	Member
6.	Professor in charge Examination	-	Member
7.	Deputy / Assistant Registrar (Academic)	-	Secretary

Functions

- i. To consider the recommendations of the Departmental Academic Committee on matters relating to under-graduate programme and to make suitable recommendation to the Senate.
- ii. To frame and revise curricula for the under-graduate courses of study.
- iii. To ensure that all norms and regulations pertaining to under-graduate programme are strictly followed.
- iv. To make periodic review of ordinances, regulations and instructions pertaining to under-graduate programme and to recommend to the Senate any modification thereof.
- v. To recommend to the Senate the results of all U.G. examinations and award of degrees.
- vi. To review the academic performances of students in general and make suitable recommendations to the Senate.
- vii. To recommend to the Senate, the award of stipends, scholarships, medals & prizes etc.
- viii. To draw off general time table for the under-graduate course and finalize the UG academic calendar to be put up to the Senate.
- ix. To consider and recommend to the Senate any special cases related to attendance, examination, registration etc.
- x. Any other job assigned by the Senate.

Frequency of Meetings

At least twice every semester.

**REGULATIONS
FOR
DEGREE OF M.Sc.
(EFFECTIVE FROM JANUARY 2006)**



**NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA**

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1. Introduction

- 1.1 The provisions contained in these regulations govern the conditions for imparting courses of instructions, conducting examinations and evaluation of students' performance leading to M.Sc. Degree.

This regulation is effective for the batches of students admitted in the Academic Session 2006 – 2007 onwards.

- 1.2 **Disciplines:** The disciplines in which the courses of study are available and degrees will be offered are:

1. Chemistry (CY)
2. Mathematics (MA)
3. Physics (PH)

New disciplines may be added in future with approval of the BOG.

- 1.3 The provisions of this regulation shall also be applicable to any new discipline(s) that is(are) introduced from time to time and added to the list in Section 1.2.
- 1.4 The Board of Governors of the Institute may, on the recommendation of the Senate, change any or all parts of this Regulation at anytime.
- 1.5 Supplementary regulations, whenever necessary may be framed and implemented by the Senate

2. Admission

- 2.1 Admission to all courses will be made in the Autumn Semester of each session at the First Year level through an Entrance Examination to be conducted by the Institute. This examination shall have both written and oral components. The distribution of points shall be as follows :

High School	=	10
+2 Level	=	10
B.Sc.	=	20
Written Test	=	60
Total		100

Minimum qualifying points = 40

Career marks shall be calculated by the formula :

$$\text{Points} = \frac{\% \text{ of marks} - 50}{5} \quad \text{for High School and +2, and}$$
$$\text{Points} = \frac{\% \text{ of marks} - 50}{2.5} \quad \text{for B. Sc. Including Honours and pass subjects.}$$

- 2.2 The Institute reserves the right to cancel the admission of any student and ask him/her to discontinue his/her studies at any stage of his/her career on grounds of unsatisfactory academic performance, irregular attendance in classes or indiscipline.

- 2.3 At the time of admission, the student is required to provide the following documents:
- (a) A certificate for proof of age (Birth certificate or Board certificate).
 - (b) Pass certificate of the qualifying (B.Sc.) examination.
 - (c) College leaving certificate.
 - (d) Migration certificate (If given by the earlier university).

A provisional admission may be given if any of the certificates is not produced. It has to be submitted before a date to be fixed by the Senate, failing which admission will be cancelled and all fees deposited will be forfeited.

- 2.4 The department will assign a faculty member to each batch of students to serve as 'Faculty Adviser', who will continue to act till all students admitted in a batch graduate or leave the Institute. He will serve as a mentor to the students and shall proactively monitor their academic progress. He will approve selection of elective courses, liaison with course teachers in matters of students' attendance and performance, recommend leave of the students to HOD, and communicate with their parents. His role is critical in case of academically weak or de-motivated students, who need to be guided out of their academic or social situations.

3. Academic Calendar

- 3.1 The academic session is divided into two semesters each of approximately 17 weeks duration: An Autumn / Odd semester (July – December) and a Spring / Even semester (January – June). In addition, a summer session (May – July) may be offered at the discretion of the Senate under special circumstances.
- 3.2 The selected candidates have to take admission to the institute on the dates as per Academic Calendar approved by the Senate. Under special circumstances, e.g. foreign students nominated by the Government of India or a serious medical illness, the Senate may condone delay up to one month from the starting of classes.
- 3.3 The Senate will approve the academic calendar consisting of schedule of activities for a session inclusive of dates for registration, Mid-semester and End-semester examinations, inter-semester breaks etc. well in advance of start of a semester. The academic calendar shall usually provide for approximately 85 working days (including examination dates) in each semester.

4. Course Structure

- 4.1 The duration of the course leading to M.Sc. Degree will be two years.
- 4.2 The curricula for the different degree programmes as proposed by the respective departments and recommended by the Post-graduate Programme and Evaluation Committee (PGPEC) shall have the approval of the Senate. The departments will also prepare the syllabus of each subject containing the scope of studies and instructions to be imparted which must have the approval of the Senate.
- 4.3 All subjects would have a Lecture – Tutorial – Laboratory / Design component (L–T–P) to indicate the contact hours. The Tutorial (T) component may be absent in certain theory courses. In general design or laboratory courses will be offered as distinct (0 – 0 – P) courses without being mixed with lecture components. Some

courses may have pre – and co-requisites. Co-requisite courses may be taken in the same or different semesters.

All subjects will have a credit count 'C'. Teaching of subjects will be reckoned in terms of credits.

- 4.4 The curricula for M.Sc. course will include compulsory industrial or R & D training of 8 weeks duration. The training may be taken in any reputed industry, research laboratory, IIT, NIT and any other organization of comparable repute. The place of training has to get prior approval of the Department. On completion of training, the student shall submit a report to the department, which will earn credit in the 3rd semester.
- 4.5 Under special circumstances, a student may be permitted by the Senate, or by the Chairman Senate on behalf of the Senate, to carry out a mini-project of 8 weeks duration at NIT Rourkela in lieu of the industrial training. Such a project, should preferably be based on a real life industrial problem.
- 4.6 The Project work will carry a total of 10 credits between 3rd & 4th Semesters, the distribution being 4 & 6 (or 6 & 4) credits respectively.
- 4.7 When circumstances so permit, it will be possible for a student to spend a semester or more in another NIT, IIT or another reputed institute and transfer the credits. The core (compulsory) courses need to have a one-to-one correspondence between the participating institutions. The Senate shall constitute a course equivalence committee to establish the adequacy of the education received in another institution.

5. Registration

- 5.1 Every student in the M.Sc. programme is required to be present and register at the commencement of each semester on the date fixed and notified in the Academic Calendar.
- 5.2 Registration of students in each semester will be centrally organized by the Academic Section. The registration will be done in respective departments; the subject details being verified by the Faculty Adviser of the batch. Payment of dues etc. will be verified by the Academic Section. An appropriate semester registration form as enclosed in this book will be used for the purpose.
- 5.3 A student who does not register on the day announced for the purpose may be permitted, in consideration of any compelling reason, late registration within next 5 working days on payment of an additional late fee as prescribed by the Institute. Normally no late registration shall be permitted after the fifth working day from the scheduled date, except in special cases (like those directed by MHRD or MHRD approved authorities in 1st semester) to be approved by the Director on recommendation of Dean (AA). However, in any circumstances late registration after 45 days from the scheduled date of registration is not allowed. The attendance of MHRD approved students will be calculated from the date of their joining. However no special allowance may be claimed in the matter of assessment / evaluation.

5.4 (a) Only those students will be permitted to register who have

- (i) cleared all Institute and Hall dues of the previous semesters,
- (ii) paid all required prescribed fees for the current semester,
- (iii) not been debarred from registering for a specified period on disciplinary or any other ground,
- (iv) registered in the previous semester and appeared in the previous semester examinations and
- (v) satisfied the academic requirements outlined in Clause 5.7.

(b) A student who was registered in the relevant semesters but could not appear in the End Semester examination due to illness, family calamity or any other reason approved by the Senate can be allowed to register in the next higher semester provided he satisfies the conditions mentioned in para 9.3 (ii)(b). The application with supporting documents for such cases should reach the office of the Deputy / Assistant Registrar (Academic) at least 15 days prior to the date of registration.

5.5 To be able to register in the 2nd year (3rd semester) and continue his/her study in the Institute at the end of 1st year, a student must

- (i) complete satisfactorily at least two-thirds of the total credits registered for during the two semesters, i.e., have 'P' grade in at least two-third of the credits registered.
- (ii) obtain a Cumulative Grade Point Average (CGPA) of not lower than 5.5(considering all courses including those in which the student has secured an F grade) calculated on the basis of combination of the best grades obtained by him/her to attain the above minimum credits (Semester Examination and Supplementary Examination, the Supplementary Examination grade being awarded according to Appendix-III para-5)

SGPA & CGPA calculation method is illustrated in Appendix-I.

N.B. A student failing to complete satisfactorily both the above conditions even after going through supplementary examination is required to discontinue his/her studies after the 1st year and leave the Institute.

5.6 While registering for 3rd or 4th semester, a student may register for back papers of 1st or 2nd semester respectively. A separate registration form (same as supplementary examination application form) has to be filled up for this purpose. A student need not attend classes in paper registered as a "back paper". He has to sit for both mid-semester and end-semester examinations and the grade will be awarded based on the scores of the latest examinations. The Teacher's assessment component will be same as that given by the instructor in the original semester. If regulations and time table otherwise permit, a student may register for an even semester elective in odd semester and vice versa. A student may change an elective course if he satisfies the pre-requisites and timetable permits. The registration for back papers must be done at the time of semester registration.

- 5.7 If student does not clear all courses of 1st and 2nd semesters at the end of two years, he must register for the 1st and 2nd semester courses and attend classes after completion of two years till all courses are cleared.
- 5.8 The provisions of section 5.6 and 5.7 will continue to be valid even after a student has attended classes for 4 semesters.
- 5.9 A student must pay full semester fees till he clears all courses even if he is registered for one course only in a particular semester.
- 5.10 The classes of all semesters will start from the day following the registration.
- 5.11 A student who has been debarred from appearing at an examination either (i) as per recommendation of the subject teacher for unsatisfactory attendance or (ii) by the Institute as a measure of disciplinary action or (iii) for adopting malpractice at an examination and consequently awarded a grade 'X', may register for the subject(s) after the term of the debarment expires, provided that other provisions of the regulation do not prevent him.

6. Attendance

- 6.1 Attendance in all classes (Lectures, Tutorials, Laboratories, EAA etc.) is compulsory. A student may be debarred from appearing at an examination on ground of unsatisfactory attendance.
- 6.2 (a) Every student is required to obtain prior permission of the Academic authorities before availing leave.
- (b) A student can be granted leave up to a maximum of 5 working days (class days) in a semester by the concerned Head of the Department for any personal reason and 5 days for all other reasons (except medical ground). Leave for SAC or Training & Placement activity will be approved by HOD on the basis of written note from concerned Vice President or Professor, Training & Placement. Personal leave may be sanctioned only on genuine circumstances. Any such sanction will be noted in a register kept in the department office. Once the leave is granted, the student can show the H.O.D's approval to concerned subject teachers, so that this leave period will not be counted as absence. The subject teachers will note it in the attendance register and return the original to the student. *[They, however, have a discretion to ask for a photocopy for their records].*
- (c) Similarly a student can be granted Medical Leave up to a maximum of 7 days in a semester by the Institute Doctor(s) on medical ground. The student has to show the medical prescription slip to concerned subject teacher who will mark as Medical Leave (M.L.) against the attendance.
- (d) For leave beyond this period due to prolonged illness or for participation in any national or international activities, the leave up to one month can be granted by Dean (AA) with due recommendation of Institute Doctor (if it is medical ground) or of Head of the Department if it is other than medical ground. Similar post sanction procedure has to be followed.
- (e) For any leave beyond one month but maximum upto 45 days, Director's sanction is necessary with due recommendation of Institute Doctor / H.O.D.

All such leave applications should be routed through Dean (AA). A format of leave application as given in this book will be used for the purpose.

- (f) An approved leave will not to be considered as absence.
- 6.3
- (a) Absence in a subject without sanctioned leave is not permitted. If a student's absence is such that the course teacher feels that his/her preparation is not adequate to sit in the mid-semester or end-semester examination, he may recommend to the Office of Examination to debar the student from sitting in the examination. He, may, if he thinks fit, permit the student to sit in the Supplementary examination. In that case the student will be awarded one grade point less than what he scores, but not lower than a 'P' grade.
 - (b) A student may be given mess rebate (in units of one day) by the Warden of the hall for days of approved leave and permission to leave station. For this purpose he must produce the approval by the H.O.D. and submit a photocopy if the Warden so desires. In case of official duty or deputation on SAC activity mess rebate is admissible for all days. But in case of leave on personal or medical ground, the minimum absence including holidays, if any, must be 5 days.
 - (c) A student can get mess rebate in case of :
 - (i) leave on academic or SAC activities,
 - (ii) approved personal leave exceeding 5 days including holidays,
 - (iii) hospitalization or permission to leave station on medical ground, excluding 5 days.Intimation of absence must be made before leave is availed to qualify for mess rebate.
 - (d) No sanction of leave by H.O.D. is necessary if a student wants to leave station over weekend or holidays and no mess rebate is admissible for such absence.
- 6.4 Those students debarred from appearing in examinations (including supplementary examination) on ground of poor attendance have to repeat the entire semester.
- 6.5 It will be the responsibility of the student to get his/her absence from classes condoned by the appropriate authority in case a valid reason exists.
- 7. Assessment of Performance**
- 7.1 There will be continuous assessment of a student's performance throughout the semester and grades will be awarded by the Subject Teacher.
- 7.2 In general, there is no strict marks-to-grade linkage. The following should be taken as a guideline to ensure uniformity of grading among all courses.
- (a) For arriving at a grade obtained by a student for a particular subject, initially a numeric marks obtained by the student out of 100 (hundred) is to be determined and then the same is to be converted to letter grade following the guidelines given in Appendix-II.

- (b) For subjects with a theory component, the subcomponents and the respective weights assigned to these are given below.

<u>Subcomponent</u>	<u>Weight</u>
Teacher's Assessment (T.A.)	20%
Mid-Semester Examination	30%
End-Semester Examination	50%

- (c) For assigning marks in Teacher's Assessment (T.A.) performance in home assignments, class tests, tutorials, viva-voce, attendance etc. are to be considered. At least two class tests for 4 credit theory and 1 test for 3 credit theory are to be conducted for a subject. The weights of different subcomponents of T.A. may be announced to the students by the teacher at the beginning of the Semester.
- (d) For assignment of marks in the laboratory component (P – component) the relevant subcomponents that are to be considered are: day-to-day work, regularity, tests (at least one in 2 credit practical and two in 4 credit practical) assignments, viva-voce etc. Percentage weights of the different subcomponents in deciding the final marks are to be announced at the beginning of the Semester.
- (e) In case of students given an F, I or X grade, the teacher must submit the marks under T.A. head to the Department Office for use in future.

- 7.3 The eight-week industrial training undergone by the students in the summer vacation will be assessed in the 3rd semester. The students are required to submit written reports on the training received and give a seminar, on the basis of which a grade will be awarded. The students are also required to submit to the Head of the Department or to the faculty member in-charge, a completion certificate in the prescribed form from the competent authority of the organization where the training was received, without which he/she will not be assessed. The summer training of 8 weeks will carry 2 credits.

In special circumstances [See Section 4.5] a 8 week mini project may be carried out in lieu of industrial training. The same procedure applies to the mini project.

8. Project Work

- 8.1 The project is an important component of the Institute' M.Sc. programme. It gives an opportunity to the student to express his/her creative talents and prepare for his/her future career.
- 8.2 The Departmental Academic Committee will invite research topics for M.Sc. projects from its own faculty and from other departments across the Institute towards the middle of the 2nd semester. One member of the Committee may be designated to coordinate this activity. Faculty members may propose project topics, singly or in collaboration with a colleague from the same or another department. Co-Supervisors from industry or other institutions may also be accepted.
- 8.3 The Departmental Academic Committee will assign research topics to students at the end of the second semester, after taking into consideration the requirements of the projects and choice of the students.

- 8.4 Each topic may be taken by a single student or a team of two students. In case of specially challenging problems, larger teams may work on a single problem, with the prior approval of Dean (AA).
- 8.5 M.Sc. projects may be analytical, computational, experimental or developmental or combination thereof. The department will make the necessary resources available to the students, including access to laboratory and computing facilities outside normal working hours.
- 8.6 Each team of students, consisting of one or more members and working on a single problem, will be given an official "Project Record Book" by the Institute. All concepts, drawings, formulas, derivations, experimental observations, graphs, charts, photographs, computer flow charts and pseudo codes must be recorded by the student on this note book, which must be produced before all evaluation boards. There shall no blank pages in between the writings.
- 8.7 The student is required to submit a formal project report at the end of 3rd and 4th semester; that submitted at the end of the 4th semester being in the form of a well bound thesis. The Departmental Academic Committee will constitute one or more evaluation boards, for continuous monitoring of the projects. The Boards will examine the day to day records and conduct viva-voce and/or oral presentations by the students at least twice in each semester.
- 8.8 For the purpose of assignment of a grade the following will be weightage of the different components.
- | | | |
|---|---|-----|
| Supervisor's assessment
(twice in a semester 20% + 20%) | = | 40% |
| Assessment by Evaluation Boards
through oral presentation and
viva-voce (20% + 20%) | = | 40% |
| Project Report | = | 20% |
- 8.9 On completion of evaluation, the Departmental Academic Committee or its subcommittee constituted for the purpose shall decide the grade awarded. If the performance of a student is unsatisfactory, the Committee may recommend one of the following:
- (i) rewriting of report and submission for evaluation,
 - (ii) extension of time for completion of the work (the time duration is to be specified),
 - (iii) complete repetition of the project in the following year.
- The resubmitted thesis will be evaluated by the Committee and the grade will be sent to the examination office.
- 8.10 Rights to all intellectual property generated in project shall be distributed equally among the students, technicians and the supervisors, except where the concerned workers mutually settle on a distribution. If a project is supported by a sponsor, the sponsoring organization will be given IPR as per the contract, and the balance divided among the faculty, students and technicians.

9. Examinations

- 9.1 The Examination office of the Institute will centrally conduct the Mid-semester and End-semester Examinations in respect of theory components of the subjects unless otherwise arranged. The answer scripts will be dispatched to the Subject Teacher (Examiner) on the same day or the immediate next working day of the examination. If the concerned examiner is not available on that day, the copies will be handed over to the respective Heads of the Department (or Department office) who will pass on the copies to the concerned examiners at the earliest. It is the joint responsibility of the subject teacher (examiner) and the HOD to ensure that the scripts are examined and the grades submitted before the due date.
- 9.2 (a) A student will be permitted to appear in an examination only if he/she has:
- (i) attendance record to the satisfaction of the subject teachers in the theory and laboratory classes and has completed the assignment works given.
 - (ii) paid all Institute and Hall dues of the semester.
 - (iii) not been debarred from appearing in the examination as a result of disciplinary proceedings.
- (b) A student may be debarred from appearing at the Mid-Semester or End-Semester Examination in the subject on the report of Subject Teacher / Chairman, Coordination Committee, if his/her
- (i) attendance at lecture/tutorial/laboratory classes in that subject has not been satisfactory during the period, and/or,
 - (ii) performance in the assignment works in that subject during the semester has not been satisfactory.
- 9.3 (i) Class tests, assignments, tutorials, viva-voce, laboratory assignments, etc., are the constituent components of continuous assessment process, and a student must fulfill all these requirements as prescribed by the teacher / coordination committee of the subject. If due to any compelling reason (such as participation in national / international events with due approval of the institute his/her illness, calamity in the family, etc.) a student fails to meet any of the requirements within/on the scheduled date and time, the teacher/coordination committee in consultation with the concerned Head of the Department may take such steps (including conduction of compensatory tests/examinations) as are deemed fit.
- (ii) (a) "Appearing both at the Mid-Semester and End-Semester Examination in the theory component of a subject is compulsory. Normally, if a student fails to appear in the Mid-Semester Examination without any valid reason he/she should get zero for that component. If such case is examined and cleared as per Clause 9.3 (ii)(b), the student will be permitted to sit for Alternative Mid-Semester examination, which will be conducted by the Departments as per convenience. Similarly, if a student fails to appear in the End Semester examination he/she will be assigned "I " grade in the subject. Such student can appear at Supplementary Examination but is entitled to one grade less (Rules for Supplementary Examination – Appendix–III of Regulation) unless exempted as per Clause 9.3 (ii)(b)".

(b) If a student misses the End-Semester Examination due to compelling reason like participation in an national / international event with due approval of the Institute, serious illness of himself/herself or a calamity in the family, he/she may appeal to the Dean, Academic Affairs, through his/her faculty advisor and Head of the Department for permitting him/her to appear at the Supplementary Examination(s) subject to fulfilling of attendance requirement. If it is medical ground, the student has to submit the medical certificate from the Institute Doctor or the recommendation of the Institute Doctor for treatment elsewhere. In case of treatment outside the Institute (including hospitals referred by the Institute), the student must produce all medical documents (discharge certificate, prescriptions, visit slips, pathological reports, medicine purchase receipts etc.) in original. The reason for leaving the campus must also be genuine and with permission of competent authority. In case of family calamity the student's application must be supported by a letter from the parent/local guardian along with copies of documents such as medical records, death certificates (if that happens). A Sub-committee of the Post-graduate Programme & Evaluation Committee (PGPEC) consisting of the following members may, after examining the documents and being convinced about the merit of the case, recommend permitting him/her to appear in the Supplementary Examination(s) with full credit condoning his/her absence. In case of prolonged illness of a student, if he/she misses both the End-Semester Examination and its Supplementary, the student can carry over the back paper with full credit after recommendation of the above committee.

If a student misses the Mid-Semester Examination due to illness / family calamity / participation in co-curricular activities outside the Institute with sponsorship of the Institute, his/her case will be treated in a similar way as in case of non-appearance in End-Semester Examination.

In these cases the student shall be awarded an 'I' grade till he clears the paper.

PGPEC Sub-Committee

(i)	The Dean of Academic Affairs	-	Chairman
(ii)	The Dean of Student Affairs	-	Member
(iii)	Concerned Head of the Department	-	Invitee
(iv)	One Medical Officer	-	Invitee
(v)	Professor-In-Charge of Examination	-	Member
(vi)	Deputy/Assistant Registrar (Academic)-		Secretary

- 9.4 A student will be permitted to appear in the examinations in only those subjects for which he/she has registered at the beginning of the semester and has not been debarred.
- 9.5 The final grades awarded to the students in a subject must be submitted by the Teacher / Chairman, Coordination Committee, within ten days from the date of holding the Examination to the concerned Head of the Department for onward transmission to the Examination Office, which has to be done by the Head on the same or next working day. The teacher will submit a separate report on all students obtaining F grades as per form given in Appendix - VI.
- 9.6 The Examination Office will put the results and statistical reports of all examinations in PGPEC, which will recommend to the Senate, for publication. In case the Senate meeting is delayed, the recommended results can be published with approval of the Chairman, Senate. The same may be ratified by the Senate at its next meeting.

- 9.7 For the benefit of and as a process of learning by the students, the scripts after correction of all class tests, Mid-semester Examinations, assignments etc. will be shown to the students within 3 weeks from the date of Tests / Examinations. The evaluated scripts of the End-Semester Examinations are to be shown to the students at the beginning of the next semester, but no later than 2 weeks from the starting of classes.
- 9.8 Any change of grade of a student in a subject, consequent upon detection of any genuine error of omission and/or commission on part of the concerned teacher, must be approved by the Departmental Academic Committee and must be forwarded by the Head of the concerned Department to the Examination Office within three weeks from the date of commencement of the next semester. Every Department will send one comprehensive report for each semester in a standard format.
- 9.9 If a student is dissatisfied with his/her grade, he/she may bring it to the attention of the teacher within two weeks from the first day of commencement of classes in the next semester. The teacher may change the grades if he finds an error in evaluation. The teacher will report the change of grade to the Departmental Academic Committee along with all relevant papers (answer scripts, attendance register etc) before a specified date. The DAC will submit a consolidated report as per standard form (Appendix – VII) to the Examination office for correction of records. If the student still feels aggrieved, he/she will file a formal complaint with Dean(AA) through his/her faculty advisor and HOD with a copy to the teacher (evaluator). If no complaint is filed within three weeks from the first day of classes in the next semester, the student is deemed to have accepted the results and no further change of grade is permitted.
- 9.10 The teachers are expected to retain all answer scripts, assignments and laboratory records for a period of two months from the starting of classes in the next semester. After that the material may be disposed off, except for the students who have filed a complaint. In case of complaint, the material need to be saved till all disputes are settled and final grade awarded.
- 9.11 In order to provide an additional opportunity to the students who failed (obtained an 'F' grade) in one or more subjects components in either the Autumn and/or the Spring Semester in a year, Supplementary Examinations equivalent to the End-Semester Examination arranged centrally by the Examination Office, will be conducted at the end of June (before commencement of the next session) every year. Regulations relating to the Supplementary Examination are given in Appendix–III.

10. Graduation Requirement

- 10.1 In order to qualify for a M.Sc. degree of the Institute covered under these Regulations, a student must:
- (a) Complete all the credit requirements for the degree, as laid down in the prescribed curriculum of the discipline, with a minimum grade 'P' scored in every subject.
 - (b) Obtain a CGPA of 6.00 or higher at the end of the semester in which he/she completes all the requirements for the degree.
 - (c) Have cleared all dues of the Institute, the Hall of Residence, the Library, the Department, N.C.C. and other student activity centres.

- 10.2 The minimum total credit requirements that has to be satisfactorily completed for the award of M.Sc. degree will vary between 100 – 105 depending on the course structure of various departments or as decided by the Senate from time to time.
- 10.3 Normally a student should complete all the requirements consecutively in four semesters for M.Sc. degree. Academically weaker students may be granted time up to 8 semesters for 2-year courses to complete all the requirements for the degree. However, in special cases the Senate may further extend this limit for completion of all requirements for the degree to 10 semesters for two year courses, depending upon the merit of the case. The uniqueness of the situation must be recorded in the minutes of the Senate.
- 11. Conduct and Discipline**
- 11.1 Students shall conduct themselves within and outside the campus of the Institute in a manner befitting the students of an Institution of National standing.
- 11.2 Detailed rules regarding conduct and discipline are given in Appendix–IV.
- 12. Change of Branch**
- 12.1 No change of branch is permitted in M.Sc. courses after the admission process is completed.
- 13. Residence**
- 13.1 The Institute is essentially a residential one and unless otherwise exempted / permitted, every student shall be required to reside in and be a boarder of Hall of Residence to which he/she is assigned.
- 13.2 A student permitted to stay outside the Halls, will be attached to one of the Halls, according to his year of study. He is permitted to participate in all the Hall activities. All female students permitted to stay outside the Hall will be attached to the Ladies Hall.
- 13.3 The terms and conditions that a student must fulfill during his/her stay in a Hall of Residence are mentioned in Appendix–V.
- 14. Fees**
- A student admitted to any course shall be required to pay, at the time of joining, and also in subsequent semesters, prevalent tuition and other fees as prescribed by the Institute till he/she is on roll including the period beyond the normal two-years duration. Normally the fee structure will not change during the programme; but if the Institute revises the structure in the middle of a programme, a student is obliged to comply.
- The fees will be collected under the broad heads : Admission fee, Tuition fee, Students' Activity fee, Hall seat rent, Caution money, Alumni fee, Convocation fee and Miscellaneous fees. Boarders will also pay all Hall dues in time. Day scholars have to pay part of the Hall fees such as Hall Admission, Hall Common Room and Hall Establishment fees and any other fee fixed by the Senate from time to time. Caution money collected will be returned at the end of the programme after due adjustment, if any, except for those who leave the Institute prematurely.

15. Refund

- 15.1 If a student is removed or he withdraws/leaves the Institute in the mid-session without completing the entire course, all fees paid including the caution deposit and mess security will be forfeited by the institute. Mess advance may be refunded after deduction of dues, if any.
- 15.2 If a student withdraws from the institute within 30 days from his/her date of admission, on necessary approval of the withdrawal request, following deposits may be refundable after deduction of dues, if any:
- i) Institute General caution money
 - ii) Mess Security
 - iii) Mess Advance.
- 15.3 If a student finally leaves the Institute on successful completion of the course, caution money and mess security deposits are refundable after deduction of dues and charges, if any.
- 16. Exceptions:**
- 16.1 Notwithstanding anything stated in the rules, the Senate can make special provisions and exceptions depending on the merit of a case. Such cases shall not be cited as precedence in future occasions of similar nature.
- 16.2 In emergency situations, the Director in capacity of the Chairman Senate, can exercise powers of the Senate and discharge the functions of the Senate. Such decisions must be reported to the Senate at its next meeting.

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Appendix – I

GRADING SYSTEM

1. As a measure of students' performance a 7-scale grading system using the following letter grades and corresponding grade points per credit, shall be followed:

Performance	Letter grade	Grade point per credit
Excellent	Ex	10
Very Good	A	9
Good	B	8
Fair	C	7
Average	D	6
Pass	P	5
Fail	F	2
		(if appeared in the End Semester Exam)

In addition, there shall be two transitional grading symbols which can be used by the examiners to indicate the special position of a student in a subject.

I	-	for "Incomplete Assessment"
X	-	for "Debarred"

2. Semester Grade Point Average (SGPA) will be computed for each semester. The SGPA will be calculated as follows:

$$SGPA = \sum_{i=1}^n c_i g_i / \sum_{i=1}^n c_i$$

Where 'n' is the number of subjects registered for the semester, 'c_i' is the number of Credits allotted to a particular subject, and 'g_i' is the grade points carried by the letter corresponding to the grade awarded to the student on the subject. SGPA will be rounded off to the second place of decimal and recorded as such. The SGPA would indicate the performance of the student in the semester to which it refers.

3. Starting from the second semester at the end of each semester S, a Cumulative Grade Point Average (CGPA) will be computed for every student as follows:

$$CGPA = \sum_{i=1}^m c_i g_i / \sum_{i=1}^m c_i$$

Where 'm' is the total number of subjects the student has registered from the first semester onwards up to and including the semester S, 'c_i' is the number of Credits allotted to a particular subject s_i and 'g_i' is the grade point carried by the letter corresponding to the grade awarded to the student for the subject s_i. CGPA will be rounded off to the second place of decimal and recorded as such. All courses registered including EAA will count towards calculation of SGPA and CGPA. In addition to registered courses, a student may 'audit' additional courses with the consent of the teacher. Those courses will not appear in official records and will not count towards calculation of SGPA and CGPA.

The CGPA would indicate the cumulative performance of the student from the first semester up to the end of the semester to which it refers.

The SGPA, CGPA and the grades obtained in all the subjects in a semester will be communicated to each student at the end of every semester.

For determining the *inter se* merit ranking of a group of students, only the rounded off values of the CGPAs will be used.

4. When a student gets the grade 'I' for any subject(s) during a semester the SGPA of that semester and the CGPA at the end of that semester will be tentatively calculated ignoring this (these) subjects. After the 'I' grade(s) has (have) been converted to appropriate grades, the SGPA and CGPA for that semester will finally be recalculated after taking into account this (these) grade(s).
5. When a student gets the grade 'F' in any subject during a semester, the SGPA and the CGPA from that semester onwards will be tentatively calculated, taking only '2' points for each such 'F' grade. After the 'F' grade(s) has/have been substituted by better grades during a subsequent semester, the SGPA and the CGPA of all the semesters, starting from the earliest semester in which the 'F' grade has been updated, will be recomputed and recorded to take this change of grade into account.

Appendix – II

GUIDELINES FOR AWARD OF LETTER GRADES

1. In general there shall be no rigid marks-to-grade linkage. Difficulty levels of the examinations, tests, assignments, viva-voce and other factors that contributed to the final marks are to be considered by the teacher / coordination committee of a subject while converting marks into letter grades.
2.
 - (a) The grades 'F' and 'Ex' are to be considered as bench mark grades.
 - (b) The cut-off marks below which a student would be assigned and 'F' grade is 35 for the theory component and 40 for the laboratory component.
 - (c) The exceptionally brilliant performance is to be assigned an 'Ex' grade. Even the best student of any class needs to be good enough to be awarded the 'Ex' grade.
3. In case of a relatively large class and/or classes where the performance level depicts more or less a normal distribution:
 - (a) The average performance (around mean value of marks) is to be assigned 'C' grade. However, if by teacher's/coordination committee's perception the general level of the class is considered to be appreciably high, the average performance may be assigned 'B' grade.
 - (b) All other marks for grade conversion are to be done relatively with respect to the average performance in between (but excluding) the 'F' and 'Ex' grades, which have already been assigned, by choosing appropriate boundary marks between grades.
 - (c) Normally, in a reasonably large class of students distribution of grades is expected to be as follows:

Ex	:	<= 10%
A	:	10 – 20 %
B,C,D	:	20 – 35%
P	:	10 – 25%
F	:	0 - 5 %
4. In the case where a student appears in the supplementary examination, the conversion from marks to grade would be done applying the same norm as was framed for the original class.

Ordinarily a student appearing in a supplementary examination in a theory course or repeating experiments in a laboratory / design course will get one grade less than what he/she deserves otherwise, but not less than P grade. In special circumstances, such as participation in a national/ international event, illness of self or a family calamity, the Senate may permit supplementary examination or repetition of laboratory/ design classes with full credit.

5. For classes where excessive bunching occurs resulting in almost all the marks tending to cluster into same category, conversion from marks to grade may be done using the table given below. However, the teacher may, on his/her

perception of the difficulty level of assessment process undertaken, alter the boundary (cut-off) marks by +/- 5 marks.

<u>Range of Marks</u>	<u>Grade</u>
(90 – 100)	Ex
(80 – 90)	A
(70 – 79)	B
(60 – 69)	C
(50 – 59)	D
(35 – 49)	P for Theory Component
(40 – 49)	P for Laboratory Component
< 35	F for Theory Component
< 40	F for Laboratory Component

6. The Coordination Committee will moderate the results of the different sections of a class if wide disparity in performance across sections are observed.
7. All the requirements for the laboratory component are to be satisfied by a student within deadline set-up by the teacher/coordination committee before the start of the end-semester examination. If a student due to a genuine reason like participation in national / international events or illness of himself/herself or calamity in the family, cannot complete a particular course, the teacher/coordination committee may allocate him/her additional time. In this case an I-grade if needed may temporarily be allocated to the student in the subject. However, the requirement in any case has to be fulfilled within 2 months after the end of the end-semester examination and the grade finalized.
8. There is no provision for supplementary examination in the laboratory component. If a student cannot clear the laboratory component of a particular subject, he/she will be assigned the grade 'F' in that subject. In extra-ordinary circumstances, to be decided by the institute authority in consultation with subject teacher and concerned Head of the Department, such students may be given a chance to complete the laboratory requirement in the summer vacation. If the student cannot satisfactorily complete the laboratory work and again gets 'F' Grade in the laboratory, he/she has to repeat the subject in the next academic year after clearing which he/she will be allowed to register in the higher semester.

Appendix – III

RULES REGARDING SUPPLEMENTARY EXAMINATION AND SUMMER COURSES

1. Except as specified in Clause 9.3(ii)(b), a student will be eligible to appear in the supplementary examination in a subject if he obtains grade F, X or I. There is no provision for improvement of grade, if it is P or higher.
2. A student will ordinarily not be allowed to appear in more than 5 (five) subjects in the supplementary examinations.
3. Intending students must submit their application in the proforma given in this book through his/her faculty advisor and his/her Head of the Department, along with the necessary fees to the Examination office by the date as announced by the office.
4. The supplementary examination shall be held on such dates as laid down in the Academic Calendar for the year or as notified separately.
5. The grade in the subject scored by the student appearing in the supplementary examination will be recomputed by substituting the marks scored in the last end-semester examination by that scored in the supplementary examination. *Unless exempted as per regulation in Clause 9.3 (ii)(b), a student is entitled only to one grade lower than the actual grade thus scored, except that the performance grade 'P' remains unaltered, as elucidated in the table below:*

<u>Grade Obtained</u>	<u>Grade to be awarded</u>
F	F
P	P
D	P
C	D
B	C
A	B
Ex	A

6. The final grade awarded to the students must be sent to the Examination Office within 5 days of receipt of answer scripts.
7. When the situation so demands, e.g. large number of students failing in a subject, the Institute may decide to offer summer courses to students with an F grade in Autumn or Spring semester. Attendance in such a course shall be compulsory and no supplementary examination shall be offered in the subject.
8. A student can register for a maximum of three summer courses. The maximum number of courses in supplementary examinations as stated in clause 2 will be reduced by the number of summer courses taken.
9. If a student secures at least P grade in a course, he will not be permitted to upgrade his grade in that particular course. However, for enhancement of knowledge he/she can audit that course during summer courses with the consent of the course teacher by payment.

Appendix – IV

RULES REGARDING CONDUCT AND DISCIPLINE

Following rules shall be in force to govern the conduct and discipline of all students:

1. Students shall show due respect to the teachers of the Institute, the Wardens of the Halls of Residence, the Sports Officers of the Athletics and the Officers of the National Cadet Corps; proper courtesy and consideration should be extended to the employees of the Institute and of the Halls of Residence. They shall also pay due attention and courtesy to visitors.
2. Students are required to develop a friendly relationship with fellow students. In particular, they are expected to show kindness and consideration to the new students admitted to the Institute every year. Law bans ragging in any form to any body. Any act of physical or mental pressurization of junior students, individually or in group, will be considered as an act of ragging. Ragging will be considered as gross indiscipline and will be severely dealt with, which may include expulsion from the institute.

If a junior student yields to any form of ragging by senior students and does not inform the Institute or hall authorities, and willfully withholds the information in an enquiry of ragging incident, the matter will be treated as indiscipline on the part of the junior student.

3. The following acts of omission and/or commission shall constitute gross violation of the code of conduct and are liable to invoke disciplinary measures:
 - ❖ Furnishing false statement of any kind in the form of application for admission or for award of scholarship or prizes etc.
 - ❖ Furnishing false statement to the Disciplinary Committee. Or willfully withholding informations relevant to an enquiry.
 - ❖ Displaying lack of courtesy and decorum; resorting to indecent behaviour any where within or outside the campus.
 - ❖ Willfully damaging or stealthily removing any property / belongings of the Institute, Hall or fellow students.
 - ❖ Possession, consumption or distribution of alcoholic drinks or any kind of hallucinogenic drugs.
 - ❖ Adoption of unfair means in the examinations.
 - ❖ Organizing or participating in any group activity except purely academic and scientific programmes in company with others in or outside the campus without prior permission of the Dean of Students' Affairs.
 - ❖ Mutilation or unauthorized possession of library books.
 - ❖ Resorting to noisy and unseemly behaviour, disturbing studies of fellow students.

- ❖ Not intimating his/her absence to the Warden of the hall before availing any leave.

Commensurate with the gravity of the offence, the punishment may be reprimand, additional work in the institute, debarment from student activities and elections, debarment from medals and prizes, debarment from campus placement, fine, expulsion from the Hall, rustication for a specified period or even outright expulsion from the Institute.

4. For an offence committed (a) in a Hall of Residence, (b) in the Department or a class room and (c) elsewhere, the Warden, the Head of the Department and the Dean of Students' Affairs, respectively, shall have the authority to reprimand or impose fine or take any other suitable measure. All cases involving punishment other than reprimand shall be reported to the Chairman of the Standing Disciplinary Committee.
5. (a) All major acts of indiscipline, which may have serious repercussion on the students in general and/or which may warrant a uniform and more formalized nature of investigation, shall be handled by the Standing Institute Disciplinary Committee appointed by Senate. The standing Disciplinary Committee consists of the following ex-officio and other members:

(1)	Dean of Students' Affairs	-	Chairman
(2)	Warden, Halls	-	Member
(3)	Superintendents, Halls of Residence of the concerned students	-	Member
(4)	Two members of faculty nominated by the Senate, for a period of two years	-	Member
(5)	Two senior students nominated by the Director	-	Member
(6)	Deputy / Assistant Registrar (Academic)	-	Member Secretary

- (b) Recommendation of the committee, which will include the suggested punishment in cases of guilt proven, will be forwarded to the Chairman, Senate for necessary action.
- (c) The Director, at his discretion may take additional measures keeping in mind long term issues and impact on other aspects of Institute management. The Director in capacity of Chairman, Senate may make minor changes in the nature of punishment awarded or reduce the quantum of punishment if he feels appropriate. But he shall not increase the quantum of punishment awarded.

On approval of Director, the Deputy / Assignment Registrar (Academic) will bring out appropriate orders with copies to the parents / guardians of the student.

- (d) If the Director feels that the nature and/or quantum of punishment is not commensurate with the offence and may create long term problems, he may refer the matter to the full Senate. The Senate's decision in the matter will be final.
6. Acts which may be classed as 'crimes' rather than acts of indiscipline will be reported to the state authorities; they include such acts as causing serious injury to fellow students or others, causing major damage to Institute property, being involved in activities prejudicial to national security or to that maintaining communal harmony etc.
7. Cases of adoption of unfair means in an examination shall be dealt with by the Examination Disciplinary Committee consisting of the following members:
- | | | | |
|---------|--|---|-----------|
| (1) | A Senior Professor, nominated by the Senate | - | Chairman |
| (2) | The concerned examiner(s) & the faculty reporting the incident | - | Members |
| (3 & 4) | Two members of faculty nominated by the Senate for a term of two years | - | Members |
| (5) | Professor in charge Examinations | - | Secretary |

If adoption of unfair means is proved, the punishment may be, depending on the quantum of the offence and prior record, reduction of grade, de-registration of a course, expulsion for one or more semesters or outright expulsion from the Institute.

The Committee shall recommend appropriate measures in each case to the Chairman of the Senate for awarding the punishment.

8. Any act of indiscipline in a hall will be investigated by a Hall Disciplinary Committee which will recommend the action to the Superintendent, Halls of Residence, who will decide the course of action to be taken and implement it. However, in case the matter is in serious nature, the Superintendent will forward it to the Dean (SA) through Warden, Hall. The Dean (SA) who is the Chairman of the standing Institute Disciplinary Committee may take necessary action. The Hall Disciplinary Committee consists of the following members:
- | | | | |
|-------|---|---|----------|
| (i) | Assistant Superintendent | - | Chairman |
| (ii) | General Secretary | - | Member |
| (iii) | One boarder of the hall to be nominated by the Warden in consultation with the Superintendent | - | Member |
9. Any act of the indiscipline and steps taken by the Director will be reported to the Senate in its next meeting. If opportunity still exists, the Senate may deliberate and alter the nature and/or quantum of punishment awarded.
10. A punishment, once awarded and notified can not be changed by the Director, the Standing Disciplinary Committee, or any administrative authority. However, when new facts came to light, the Senate can amend the punishment and take any other corrective measures.
11. Ordinarily minor disciplinary offences and punishments will not be reflected in a students' Conduct Certificate. But in serious cases, Disciplinary Committee the Director or the Senate may decide to enter an appropriate entry in the students' Conduct Certificate.

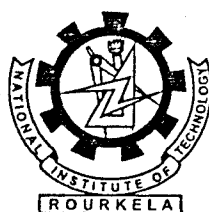
Appendix – V

RULES RELATING TO RESIDENCE REQUIREMENTS

Following are the detailed rules governing residence requirements of students:

1. The NIT, Rourkela is a totally residential institution and all students are required to stay in one of the Halls of Residence.
2. Under special circumstances, the Director may permit a student to reside with his/her Parent/Guardian in the Institute Campus or within a reasonable distance from the Institute. Such a student shall, however, be attached to a Hall of Residence and will be required to pay certain dues as decided by the Warden of the Halls. However, this permission may be withdrawn at the discretion of the Institute, at any time considered appropriate without assigning any reason.
3. The mess of each Hall of Residence shall function as a single integrated unit and shall not, under any circumstances be sub-divided into any kind of groups or sub-groups.
4. The allotment of rooms in a Hall should be directed towards integration of students of different courses, batches, residential districts and communities. Superintendents may reshuffle allotment in the middle of a year if this objective is not met adequately.
5. No married accommodation shall be provided to any student of the undergraduate courses.
6. No student shall come into or give up the assigned accommodation in any Hall of Residence without prior permission of the Warden, Halls.
7. A student shall reside in a room allotted to him/her and may shift to any other room only under the direction/permission of the respective Superintendent.
8. Students shall be required to make their rooms available whenever required for inspection, repairs, maintenance or disinfecting and shall vacate the rooms when leaving for the vacations/holidays.
9. Students shall be responsible for the proper care of the doors, windows, furniture, fan, and other fittings in the rooms allotted to them and shall generally assist the Superintendent in ensuring proper use, care and security of those provided in the Halls of common use of all students.
10. Students will be responsible for the safe keeping of their own property. In the event of loss of any personal property of a student due to theft, fire or any other cause the Institute shall accept no responsibility and shall not be liable for payment of any compensation.
11. Engaging personal attendants, keeping pets and use of appliances like electric heater, refrigerator etc. by a student in the Hall of Residence are prohibited.

REGULATIONS
FOR
PH.D. DEGREE IN SCIENCE, ENGINEERING,
&
HUMANITIES AND SOCIAL SCIENCES
(EFFECTIVE FROM JANUARY 2006)



NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA

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1. Introduction

- 1.1. The Institute provides facilities for research leading to the Degree of Doctor of Philosophy (Ph.D.) in Science, Humanities and Social Sciences, Engineering in various disciplines as mentioned in Appendix—I.
- 1.2. The Ph.D. Thesis shall be the report of the research work characterized by either discovery of new facts or new interpretation of known facts and theory or an independent design and development or development of new instrument and technology or exhaustive study and criticism of published work or any applied research work that can be exploited by industries.

2. Eligibility

- 2.1. The minimum qualification required for admission to Ph.D. programme in Science or Engineering is one of the following:
 - 2.1.1. M.E./M.Tech. in relevant discipline with at least 60 percent marks in aggregate (or 6.5 CGPA) in both B.Tech./ (or M.Sc.) and M.Tech. from recognized Technical Institute or University.
 - 2.1.2. B.E./B.Tech. or equivalent in relevant disciplines with 65 percent marks in aggregate (or 7.0 CGPA).
 - 2.1.3. M.Sc. in Basic Sciences with 65 percent marks in aggregate (or 7.0 CGPA) in relevant disciplines.
 - 2.1.4. M.B.B.S. with 60 percent marks in aggregate (or 6.5 CGPA).
 - 2.1.5. M. Sc. /M.A. in Humanities or Social Sciences with 60 per cent mark or 6.5 CGPA.
- 2.2. The minimum qualifications required for admission to Ph.D. programme in Humanities or Social Sciences are those in Section 2.1 or M.A. with at least 60 percent marks (or 6.5 CGPA) in aggregate.
- 2.3. In exceptional cases, where the candidate has proven research experience, evidenced by published papers and/or unpublished documents, the Senate, can relax the mark requirement by 5 percent (or 0.5 in CGPA).
- 2.4. Students with degrees in one discipline of Science or Engineering can enroll for Ph.D. in another discipline of Humanities, Science or Engineering, if such migration is considered relevant by the Departmental Academic Committee (PG & R). The decision must be made on case to case basis depending on the fields involved, proposed research programme and academic preparation of the candidate. The constitution and functions of DAC (PG & R) are given in Appendix – II.
- 2.5. Qualification in GATE is not essential for admission to Ph.D. programmes. Students applying for Government scholarships / fellowships, however, shall need a valid GATE score, if required by the Government regulations.

- 2.6. The various categories of students (with/without financial support) mentioned below are eligible for admission to Ph.D. programmes provided they satisfy the qualification requirements as given in 2.1 & 2.2.

p

- ♦ Full time student with Institute fellowship (Institute Scholar)
- ♦ Full time student with external scholarship (UGC/CSIR etc.)
- ♦ Full time student without fellowship (self financed/self supported)
- ♦ NIT regular employees
- ♦ Project Scholars (JRF/SRF/RA etc.) or project staff members
- ♦ Sponsored student (Institute/Research Organisation/Industry)
- ♦ QIP Scholars

3. Admission

- 3.1 All categories of candidates except the members of the Institute faculty, QIP scholars and scholars nominated by the Central Government have to be selected by Departmental Academic Committee (PG&R) on the basis of overall academic performance, written test/and or interview.
- 3.2 Candidates employed as SRFs/JRFs/Research staff in sponsored projects may be admitted to the Ph.D Programme. They need to obtain permission of the Principal Investigator and Dean (SRICCE) for admission. They also have to satisfy the qualifying marks requirement and will undergo selection procedure like other students. On termination of the project, their status will be full time student without scholarship, unless offered another type of scholarship.
- 3.3 Members of teaching staff desirous of enrolment in Ph.D. programme must obtain permission from the Director by requesting in writing through the Head of the Department. They will be guided by all other norms for Ph.D. registration and thesis submission as per regulation. On receiving administrative approval they will apply to the Institute for admission in the standard application and enrolment forms. If the member applies for admission to his own department, selection is automatic. But if he/she applies for admission in another department, the DAC of the destination department will examine the proposal. No formal interview is necessary. Admission will be given if DAC recommends.
- 3.4 Non-teaching staff of the Institute may be permitted to join the Ph.D. programme with following terms and conditions:
- (i) A member of non-teaching staff seeking permission to join the research programme must hold a permanent post in the Institute and must have a standing of at least 3 years service in the Institute in the same cadre.
 - (ii) The application for administrative permission to join a research programme by a member of non-teaching staff must be submitted to the Director through the Head of the Department/Centre or the section in-charge, as the case may be where the candidate is employed. While submitting the application he/she must give an undertaking to the effect that he/she will abide by all rules and regulations.

- (iii) The employee must be engaged in research as a part of his normal duty, so that his work output can qualify for the degree of Ph.D. Study towards Ph.D. cannot be done on a part time basis outside the working hours of the Institute.
- (iv) Administrative permission by the Director does not constitute academic approval of the Senate for admission.
- (v) The application will be examined by the Departmental Academic Committee (PG & R) of the department where the candidate wants to be enrolled. The committee will interview the candidate to ascertain his suitability in the programme.
- (vi) Every application for admission under this category shall be examined by the Research Programme and Evaluation Committee(RPEC) taking into account whether the proposal for joining the programme for which permission is sought for arises out of genuine interest and ability, and whether the normal job assignment of the applicant sufficiently overlaps with the proposed research programme. Final permission will be accorded by the Senate.
- (vii) The members of the non-teaching staff applying for Ph.D programme must satisfy the minimum qualification requirement as mentioned in para 2.1 & 2.2.

3.5 The norms for admission of sponsored candidate are given in Appendix - III.

3.6 Students enrolled in the M.Tech (Res) programme may shift to the Ph.D. on recommendation of the Masters Scrutiny Committee and approval of the Senate. All such proposals will be examine by the RPEC before presentation to the Senate.

3.7 Candidates desirous of pursuing Ph.D. programme must apply in prescribed form to the Deputy/Assistant Registrar (Academic) either on their own or against an official advertisement. These applications will be scrutinized by the Departmental Academic Committee of the concerned department. The recommended candidates, on approval of Dean(AA), will be called for personal interview with the Departmental Academic Committee.

The Committee, through written, oral or a combination of both components, shall ascertain suitability of the candidates to the Ph.D. / M.Tech. (Res.) programme and give its recommendation to the Dean (AA) for approval.

While selecting a candidate for studentship with or without scholarship, Departmental Academic Committee will consider not only the merit (career, depth and breadth of knowledge is chosen and allied fields) of the candidate, but also the research aptitude and ability to complete the programme. The Committee shall also ascertain that at least one faculty member of the Department is available and willing to supervise the candidate if selected in his/her chosen field. A candidate should not be selected if the Department does not have physical resources and supervising faculty to do justice to the candidate's academic interest.

- 3.8 The admission letter will be issued by the Deputy/Assistant Registrar (Academic) to a successful candidate on the basis of recommendation of the Department and approval of Dean (AA)/Director.
- 3.9 On joining the Institute and after paying the prescribed fees, the academic section will assign a Roll number to the student.
- 3.10 Admission to the programme may be given at any time of the year. The fees, however will be for a full semester. Summer is included in the Spring semester.
- 4. Supervisors**
- 4.1 All candidates for Ph.D. degree are required to carry out their research work under the guidance of ONE/TWO supervisors, to be appointed by the Head of the department on recommendation of the Departmental Academic Committee (PG & R). Ordinarily the DAC will recommend one Supervisor. However in case of inter-disciplinary research (within the same department or across two departments or two Institutes) a second supervisor may be appointed.
- 4.2 When there are two supervisors, one of them will be called the Principal Supervisor. Ordinarily the Principal Supervisor will be a faculty member of the registering department. However in deserving cases the DAC (PG & R) may recommend a faculty member of another department of the Institute as Principal Supervisor.
- 4.3 (a) The supervisor may be in the rank of Professor/Asst. Professor with or without Ph.D. degree or Lecturer with Ph.D. degree.
- (b) A sponsored student desiring to work in his/her place of employment should have a supervisor from his/her organisation. The joint supervisor so proposed must have a Ph.D. Degree or at least 10 years of relevant professional experience. In case of Academic Institutes a Ph.D. Degree is necessary to become a joint supervisor. In deserving cases, the Senate may accept a supervisor from the sponsoring College/University without a Ph.D. degree.
- (c) In special cases, where persons of adequate academic standing are not available in the sponsoring organization, and adequate physical facilities are available to ensure frequent contact between the student and his/her supervisor at NIT, Rourkela, the Senate may accept only one supervisor, who is a faculty member of NIT.
- (d) In special cases, if it is felt to be beneficial to the project because of special expertise, the second supervisor may be from another Institute, Industry or other organization. Such cases shall be approved by the Senate on the recommendation of the DAC & RPEC.
- 4.4 Regular faculty members of the Institute enrolling in Ph.D. programme may be self-guided. Such cases should be examined by RPEC and put up to the Senate for approval.

- 4.5 A teacher with less than 2 years service left before superannuation may not be recommended as sole supervisor or principal supervisor. After superannuation a teacher will continue to be the sole supervisor if the thesis is submitted within 6 months; if it takes more than 6 months a substitute supervisor has to be appointed by DAC(PG&R). If no faculty member is willing to take up the assignment, the Director, as Chairman, Senate, will appoint the supervisor in consultation with the HOD. This selection will be binding on the student and the supervisor.
- 4.6 After superannuation from service if a person joins the Institute on re-employment or as Emeritus Scientist or on some scheme of UGC/AICTE, he will continue to be the sole supervisor or as Joint supervisor as he was before superannuation.
- 4.7 Persons from outside the Institute joining as Chair Professors/Emeritus Scientists can be appointed as supervisors for new scholars only jointly with a regular teacher, but not as sole supervisors.
- 4.8 A substitute supervisor can be appointed by DAC(PG & R) if a sole supervisor leaves the Institute. If the sole supervisor proceeds on long leave for a period exceeding one year, the DAC (PG & R) shall appoint a second supervisor.
- 4.9 During the course of a Ph.D. programme, if the supervisor, the DSC, the HOD or the Departmental Academic Committee feels the necessity of a second supervisor, an appropriate proposal must be prepared and placed with full justification before the DSC. The recommendation of DSC will be further considered by the Departmental Academic Committee. If agreed by the DAC, the proposal may be placed to the Senate through the RPEC.
- 4.10 A student's preference of subject and supervisor must be taken into consideration by the HOD and DAC while assigning a supervisor to him. But at no stage, a student has the responsibility of choosing his supervisor or members of the DSC.

5. Administration Of The Programme

5.1 Enrolment

- 5.1.1 Every student joining the Ph. D. programme shall be assigned a Roll number by the Academic Section at the time of joining.
- 5.1.2 All the candidates admitted to the Ph.D. programme are required to enroll for the programme on payment of the prescribed fees as given in Appendix - IV and to carry out research work under a supervisor (or two supervisors) as mentioned in Clause 4. The enrolment will be with effect from the date of joining the research programme.
- 5.1.3 A student shall be assigned supervisor(s) within a week of joining by the Departmental Academic Committee. In consultation with the supervisor, the student shall submit an application for provisional registration.
- 5.1.4 When the doctoral scrutiny is formed (see section 6), the Committee will examine the application and recommend "Provisional Registration".

5.2 Residential requirement

Normally all candidates admitted to Ph.D. programme will be required to stay in the Institute till they complete all assigned work and submit thesis. However, for sponsored candidates who do not have to complete any course work, the DAC(PG & R) can reduce the minimum residential requirement to either six months at a stretch in the beginning or to at least six months in combination, with each segment not less than two months, spread over a period of two years. Candidates who need to attend courses must spend at least one year (12 months) on campus at the beginning of the year.

If the candidate intends to, carry out a major part of his research work in his place of employment, he must convince the Departmental Academic Committee (PG&R) at the time of selection that adequate research facilities and research tradition exist in his institution. While taking the decision DAC (PG&R) will examine all the documents presented to it regarding adequacy of the R & D facilities available in the sponsoring organisation. These documents have to be furnished by the candidate during the time of interview. In general major Central Govt. (CSIR, DRDO, DAE, ISRO, CDAC etc.) labs, research organisations, industries (public or private) with established R&D facilities are taken as organisations with adequate facilities. Regarding recognition of other organisations the DAC (PG&R) has to make a recommendation on the basis of the material available to it, to the Director/Dean (AA) for approval. In every case, the Senate will decide the residential requirement and whether it can be split into segments.

Candidates employed in Institutions within the city of Rourkela and permitted by the employer to spend sufficient time on research at NIT may be exempted from the compulsory residential requirement.

5.3 Attendance

A research student, except when granted withdrawal by the Institute must attend to his work on a whole time basis. The department will maintain attendance record of the student, irrespective of whether the student is getting a scholarship or not. The DSC will examine the attendance record of students, and if it is found unsatisfactory, will recommend deregistration and termination of studentship.

A teacher of a course may debar a student from appearing in examination on ground of unsatisfactory attendance.

5.4 Semester Registration

A student so enrolled will be required to register every semester by paying Institute dues and other fees. [The semester registration is to be distinguished from Academic Registration, discussed in Section 8].

Students who have been sanctioned withdrawal also need to do semester registration in person. They may, however, be permitted to pay the dues in days other than that designated by the Institute for PG students.

Failure to do semester registration for two consecutive semesters will result in termination of studentship.

5.5 Leave

A research scholar other than Institute staff is eligible for following leave per year to be permitted by the Head of the Dept. on recommendation of the supervisor (s).

- i) For incidental purposes, CASUAL LEAVE – 15 working days.
- ii) For treatment on illness, MEDICAL LEAVE – 15 days including intervening holidays.

If a student falls ill outside the Institute (only if he is out on approved leave or deputation), the Medical Certificates must be seconded by an Institute Doctor.

6. Doctoral Scrutiny Committee (DSC):

- 6.1. A Doctoral Scrutiny Committee shall be constituted by the Head of the Department for each candidate admitted to the Research Programme leading to Ph.D. degree on recommendation of the DAC(PG&R).

It shall consist of the following members:

- | | |
|--|------------|
| 1. Head of the Department (ex officio)*/
or a senior Professor nominated by
Dean (AA) | – Chairman |
| 2. Principal Supervisor | - Convener |
| 3. Second Supervisor (if applicable) | - Member |
| 4. One faculty member from the department where
the candidate is enrolled to be nominated by DAC (PG&R) | - Member |
| 5. One faculty member from other department
in the relevant area to be nominated by Dean(AA). | - Member |

*If the Head of the Department is a supervisor, the Chairman of the DSC will be nominated by Dean(AA) as long as the supervisor serves as the HOD. Similarly, when a supervisor assumes charge of HOD, the Dean (AA) will nominate a senior Professor to serve as Chairman of DSC.

- 6.2. No teacher who is enrolled for any M. Tech. or Ph. D. degree in the Institute or outside shall be a member of DSC till completion of his/her degree.
- 6.3. The DSC shall be constituted by the HOD (except for the member from outside the department) within a week of a student joining and the recommendation shall be sent to the academic section. The academic section shall obtain approval of Dean (AA) and bring out an office order stating the constitution of the DSC. The Committee will hold its first meeting immediately on formation to process the formalities of "Provisional Registration". This process will be completed within a month of a student joining.

7. Course Work

- 7.1 Course work is compulsory for all students enrolled for Ph.D. except for those with M.Tech degree in the same discipline obtained within 8 years prior to the date of enrollment.
- 7.2 The table below summarizes the course requirement for different categories of students.

Present qualification of Candidate	Enrolled for Ph.D. in branch	Minimum Number of course Credits required
M.Tech./M.Phil (Not earlier than 8 years ago)	Same discipline	None
M.Tech./M.Phil (Earlier than 8 years ago)	Same discipline	08
M.Tech./M.Phil	Another discipline	12
B.Tech.	Same or Different discipline of Engineering, Science or Humanities	20*
M.Sc./MCA/MA/MBBS	Any discipline of Science/ Humanities	12
M.Sc./MCA/MA/MBBS	Any discipline of Engineering	20*

*A student with B.Tech. degree registering in another discipline of engineering or a student with M.Sc./MBBS degree registering any discipline of engineering has to successfully complete additional B.Tech. course credits of at least 08. Depending on the subject area, additional course work may be recommended by the DSC as deemed fit.

- 7.3 The coursework may be chosen from the existing PG (M.Tech.) programmes of the registering Dept. or from those of other departments, if available.
- 7.4 The specific subjects of study will be decided by the DSC on recommendation of the supervisor(s).
- 7.5 If recommended courses are not offered by the departments, the DSC can amend the list up to 02 courses (maximum) at the request of the supervisor(s).
- 7.6 The candidate has to obtain an average grade point of not less than 7.5 and individual grade not less than C in each subject in the seven scale grading system. A course can be repeated to improve the grade if necessary. If the grade point average exceeds 8.0, grades lower than C may be accepted in two courses.
- 7.7 A Department may offer special courses during the semesters or during summer vacation. If a course is offered in summer vacation, the total number of contact hours and the pattern of examination shall be the same as other courses taught during the normal semesters.
- 7.8 In special circumstances if no such course is available, the concerned Department (or another Department) can frame the course with detailed syllabus and obtain due approval of the Senate before offering the course for the Ph.D. students. Such courses may be taken in "guided self study" mode, where a student studies the course from approved text and reference books under the guidance of a faculty member, works on assignments and/or examinations. Formal classes will not be required in such courses. The system of evaluation and grade calculation will be same as that existing in M.Tech. programmes. Ordinarily, a student should not be registered in more than two courses in self-study mode. The Senate, may relax this restriction in deserving cases.

- 7.9 It will be possible for a student to enroll in a course not offer by NIT, Rourkela, in another Institute(NIT/IIT/IISc) or University of repute (not an affiliated college) for a course and transfer the credits to NIT Rourkela to satisfy the requirements of Ph.D. degree. A proposal for such transfer must be submitted by the supervisor to the DSC along with all details (syllabus, duration of instruction, name and details of instructor). The DSC's recommendation will be placed before the Senate through RPEC. In case of urgency, the Chairman, Senate may approve enrollment in the course in consultation with Dean(AA).

On completion of the course, the student shall submit to the academic section the grade certificate from the instructor countersigned by the Director/Vice Chancellor Registrar/Deputy Registrar (Academic) of the Institute or University. A photocopy may be submitted to the HOD for departmental record.

8. Comprehensive Examination And Registration

- 8.1 Each candidate enrolled for the Ph.D. degree is given provisional registration by applying in prescribed form(See Section 5.1). This application shall be considered by the DSC in its first meeting, which will be held within one month of a student's date of admission. The DSC, on suggestions of the supervisor(s), shall recommend:

- a) the broad area of research,
- b) the course work to be carried out by the student.

The application for provisional registration will be sent by the HOD to Dean(AA) for placing before the Senate through RPEC.

- 8.2 A doctoral student, provisionally registered, will be formally registered for the degree of Ph.D. on completion of certain steps. The registration can be done only after (a) the candidate has successfully completed all assigned course work (See Section 7), (b) worked out a road map of his doctoral programme and (c) successfully cleared the comprehensive viva-voce and (d) delivered an open seminar. On completion of the course work (if any) a student will appear in a comprehensive oral examination to assess his depth and breadth of knowledge in the intended field of specialisation. The Doctoral Scrutiny Committee will constitute the examination board. Two additional members will be inducted by the H.O.D. from the department or outside with specialisation close to the area of research.

After satisfactory clearance of this examination, the student has to present his progress and plan of work to all members of the DSC in the form of a written document [Approximately 5 pages]. After a week of handing over the report, the Department shall arrange a seminar by the student in the presence of the DSC. It should be an open seminar in the department, with invitation extended to students and faculty of all departments. Normally this should be done after elapse of 6 months from date of admission, but not later than 12 months. When a student fails to clear the course work within 12 months, or his seminar performance is unsatisfactory, he may be re-evaluated after a lapse of 3 months or more. During this period he will not be entitled to scholarship. If he cannot clear the course work and seminar within 2 years from the date of admission, he will be required to leave the Ph.D. programme. In special cases with mitigating circumstances, the Senate can grant extra time with or without scholarship.

The DSC can recommend the effective date of registration depending on the progress of the student, but not prior to date of admission/enrolment. If found unsatisfactory, the presentation can be given after 3 months, in which case the effective date of registration also shifts. The effective date of registration cannot be earlier to the date of seminar by more than one year.

- 8.3 The Head of the Department will send the application for registration to Dean(AA) along with a copy of the student's written report and recommendation of the DSC. The matter will be placed before the Senate through RPEC for approval.
- 8.4 The Academic Section shall bring out an office order confirming the registration after it is passed by the Senate.
- 8.5 At this stage, the Academic section will issue a "grade card" listing all the courses and the grades obtained.

9. Scholarship

A doctoral student may be self-financed or can get a scholarship. In case of students awarded a scholarship by an external agency or from a research project operating in the Institute, the rules shall be governed by the provisions specified by the sponsor. Institute doctoral fellowships shall be governed by the rules of MHRD.

When the number of Institute fellowships is limited, they will be distributed among different departments by the Director on recommendation of Dean (AA). Generally, the number of fellowships will be proportional to the faculty strength, but changes can be made to ensure that the positions are filled to the extent possible.

Students who join with fellowships from sponsored projects or with external fellowships, and become self financed on termination of the project, will get preference in award of institute fellowship, if their academic performance is satisfactory. The total duration of scholarship, however, shall not exceed the limit set by MHRD.

10. Withdrawal

A student, pursuing Ph.D. by staying on campus, can become non-resident by taking withdrawal from the programme. Such programme can be granted on one of the following grounds.

- (a) When a sponsored student wishes to return to his place of work on completion of at least two months of residence requirement, provided that such a scenario was mentioned in his application for admission.
- (b) When, on the certification by the supervisors, the DSC is satisfied that most of the experimental/computational work has been completed, and that the student can finish the rest of the project from outside.
- (c) When the student returns to his original place of employment or secures new employment, and the D.S.C. is satisfied that adequate facility exists in his place of work to carry out the project.
- (d) When a student, for personal or financial reasons, intends to take a temporary break and return to the Institute for completion of the work, or
- (e) Any other circumstances, which in the opinion of the Senate, justifies withdrawal.

The following rules shall govern the withdrawal process:

- (a) The student shall do semester registration in person, unless exempted by the Chairman, Senate.
- (b) He pays all applicable fees every semester.
- (c) He completes the program within the stipulated period (8 years) including the withdrawal period.

A student must apply to Dean (AA) through his supervisor(s) and HOD for withdrawal in prescribed form along with a report on the work done so far and plan of activities in future. The Supervisor will state the status of the project and the D.S.C. will examine the proposal. Withdrawal can be granted provisionally by Dean(AA) if satisfied, and be presented to Senate for final approval.

11. Thesis Submission

- 11.1 A candidate with M.Tech. or M.Phil. degree registering in the same discipline can submit the Ph.D. thesis after elapse of at least 2 years from the effective date of registration. The minimum period should be 3 years in all other cases. The maximum period for submission of thesis is 8 years from the effective date of registration for all candidates. In all cases, the Doctoral Scrutiny Committee must be satisfied that adequate work has been done by the candidate.

In exceptional cases, if a student completes his Ph. D. work in a period less than that suggested above, the date of Ph.D. submission of this student can be advanced if such a proposal originating from the supervisor of the student is forwarded by DSC and recommended by RPEC (Appendix V) and finally approved by the Senate. While recommending a student for early submission, the DSC must clearly state the circumstances leading to early completion of the work. The reasons for early completion may be work done by the candidate prior to registration which have not been submitted to any other Institute or University for award of another degree or diploma, an exceptionally brilliant idea or experimental success, or any other reason not ordinarily expected from a full time research student.

Prior to submission, the candidate will submit the synopsis of the thesis [typically 10 pages] and present a seminar to an open audience, which will include members of DSC. Copies of the synopsis should be handed over to the members of the DSC well before the date of the seminar. If the DSC is satisfied with the extent of work done, the candidate will be allowed to submit the thesis. If the DSC is not satisfied with the progress of work, the candidate has to appear again after a period of 3 months or more. The thesis must be submitted within 3 months after the DSC approves the synopsis. Extension of the period beyond 8 years from the date of registration is not permitted. A student will be required to apply for fresh registration.

In extreme cases, if the DSC feels that the candidate cannot complete the thesis leading to Ph.D.degree, it can recommend to the Senate for award of M.Tech (Res) degree subject to satisfying all requirements of the latter programme.

- 11.2 A candidate shall submit four copies of the thesis in case of single supervisor and five copies in case of two supervisors, neatly typed or printed and bound in a manner notified separately. The thesis must contain, besides the text and common matters like bibliography/references and summary/conclusions:

- (a) A certificate from the supervisor(s) that (a) the work has been carried out under his/their supervision, (b) the candidate has fulfilled all prescribed requirements and (c) the thesis which is based on candidate's own work has not been submitted elsewhere for a degree or diploma.
- (b) An abstract of the thesis (about 500 words) with key words (Maximum 20).
- (c) A preface/introduction in which the candidates shall state whether the thesis is based on discovery of new facts or new interpretation of established facts by others, or based on exhaustive study and critical analysis of published work of others, or design, or development work undertaken or applied research work.
- (d) Bio-data of the candidate within one page (i.e. name, date of birth, educational qualification, research experience, professional experience, if any, and permanent home address).

The candidate will also submit two copies of the thesis in electronic form and permit the Institute to use it in any manner that the Institute thinks fit. For the present, the electronic text should be submitted as two folders: one containing MS-WORD files and another PDF files. On completion of oral examination, a fresh CD may be submitted if any changes are made. One printed copy and one electric copy shall be archived in Institute's Central Library, while another set shall be kept in the Department.

11.3 Format of submitting of thesis should be uniform across all departments.

12 Examination

- 12.1 The DSC will suggest a list of 10 examiners (five from the country and five foreign examiners). After successful completion of the synopsis seminar by the candidate the examiners' list along with a copy of the synopsis will be placed to the Chairman, Senate to select the External Examiners under both categories (Indian and Foreign) in order of preference. The Chairman, Senate may add any name to or delete any name from the list suggested by DSC. The supervisor(s) will also serve as examiner(s) in addition to the two external examiners.
- 12.2 The Dean (AA) will send a formal letter to the examiners along with a copy of the synopsis requesting for acceptance of Examinership. After receiving the consent, the thesis will be mailed along with proforma of Examiner's report. In case of refusal, the second examiner in order as ticked by the Chairman Senate, will be contacted and so on. If in this course, the list is exhausted, the Dean (AA) may ask the DSC to submit another list.
- 12.3 The reports of the examiners shall be summarised by Dean (AA) and placed before the Director. After obtaining Director's approval, the reports are forwarded to the DSC. There may be four possible situations arising out of the nature of the reports.

The steps to be taken, appropriate to the circumstances, are laid down below:

- (i) The examiners are unanimous in recommending the award of the degree without any modification of the thesis. This is a clear case for going for the final requirement of viva- voce.

- (ii) The external examiners are unanimous in recommending the award of the degree but at least one of the examiners has suggested modification and/or has asked for clarifications. The candidate in that case shall make modifications and provide the clarifications as suggested within a time to be fixed by the DSC. These may be sent to the examiners, if so desired by them.
- (iii) One of the external examiners does not recommend the award of the degree and rejects the thesis whereas the other external examiner recommends the award. The DSC in such a case may either ask the candidate to modify the thesis as suggested within a given time not exceeding six months and send the modified thesis to the same examiner again, or, recommend to the Chairman, Senate the appointment of another external examiner and send the thesis to him in its original form. The third examiner will be provided with copies of the evaluation reports of all examiners, external and internal, with the names of the examiners deleted. The recommendation of this 'third' examiner, at this stage, shall be taken as final.
- (iv) Both the external examiners reject the thesis, and then the student is declared, "failed".

- 12.4 In the event of a thesis being rejected by both the external examiners the Senate may, on the recommendation of the D.S.C., permit submission of a revised thesis on an additional payment of the prescribed fee, after a suitable time to be fixed by the Senate (Not less than one year from the date of the intimation to the student and within 8 years from the date of registration). The observations and comments of the examiners, if any, may be copied and given to the candidate on request. In no case should a resubmission of the thesis without modification along the lines of criticism made by the earlier examiners be allowed. The revised thesis shall be referred for assessment to two external examiners selected from a new panel of ten experts recommended by the D.S.C. (one foreign and one Indian). The new examiners will be provided with copies of earlier thesis, examiners' reports and details of changes made, in addition to the revised thesis.
- 12.5 After the recommendations of the D.S.C.(either for acceptance of the thesis for the Ph.D. degree or for its rejection/modification) have been accepted by the Senate (or its Chairman on its behalf) a copy of the reports of the examiners may be issued to the candidate at his request. However, the names of the examiners are not to be disclosed.
- 12.6 Once the reports of the examiners have been accepted as satisfactory, the candidate will have to defend the thesis before a viva voce board consisting of all D.S.C. members and an 'external' examiner. The defense will be open where faculty members and students of the parent as well as other departments will be invited. The evaluation, however, will be done by the DSC. The 'external' examiner may either be one of the experts who have already adjudicated the thesis or be another expert appointed for the purpose. The viva voce board may recommend changes in the thesis.

If the viva voce board is not satisfied, the candidate has to appear again before the board after elapse of three months. The D.S.C. shall recommend to the Senate the award of the Ph.D. degree if the viva voce is satisfactory and all other requirements have been fulfilled.

- 12.7 On completion of the viva voce, the student will submit two copies of the revised thesis and two copies in electronic media, which, will be archived in Institute and Departmental Libraries. All available copies of the original version will be returned to the student. The copies available with the student and his supervisor(s) must also be corrected.

13. Award of Degree

- 13.1. On the recommendation of the Doctoral Scrutiny Committee, the Senate or the Chairman, Senate (when the Senate is not sitting early) shall decide whether the candidate should be awarded the degree of Doctor of Philosophy. If the Chairman, Senate has approved the award of degree the award must be confirmed by the Senate.
- 13.2 A provisional certificate may be issued to the student on approval of the Director. The final degree certificate will be issued in the convocation or by any other mode approved by the Senate.

14. Discipline

All doctoral students will be subject to Institute's discipline rules applicable to postgraduate students.

15. Termination of Studentship

The studentship of a Ph.D. student may be terminated by the Senate on exceptional grounds. They are:

1. Recommendation of Institute's Disciplinary Committee.
2. Poor progress as noted by the Doctoral Scrutiny Committee and Departmental Academic Committee (PG&R). Such a decision may be implemented only after approval of the Senate.
3. Failure to do semester registration for two consecutive semesters.
4. Prolonged absence (exceeding three months) from the Institute without sanctioned leave or withdrawal.

16. Dissemination of information

A copy of this document shall be given to every Ph.D. student on admission.

17. Exceptions:

- 17.1 Notwithstanding anything stated in the rules, the Senate can make special provisions and exceptions depending on the merit of a case. Such cases shall not be cited as precedence in future occasions of similar nature.
- 17.2 In emergency situations, the Director in capacity of the Chairman Senate, can exercise powers of the Senate and discharge the functions of the Senate. Such decisions must be reported to the Senate at its next meeting.

- & -

APPENDIX-I

PH.D. DEGREE IN SCIENCE, ENGINEERING,
&
HUMANITIES AND SOCIAL SCIENCES

A. ENGINEERING

1. Ceramic Engineering
2. Chemical Engineering
3. Civil Engineering
4. Computer Science & Engineering
5. Electrical Engineering
6. Electronics and Communication Engineering
7. Mechanical Engineering
8. Metallurgical & Materials Engineering
9. Mining Engineering

B. SCIENCE, HUMANITIES AND SOCIAL SCIENCES

1. Chemistry
2. Mathematics
3. Physics
4. English, Psychology, Economics, Sociology
5. Business Management

APPENDIX-II

DEPARTMENTAL ACADEMIC COMMITTEE (PG & R)

The following are the members of the Committee:

- | | | | |
|-----|--|---|----------|
| i) | A senior member of the faculty nominated by the Head of the Department | - | Chairman |
| ii) | Six faculty members selected by the HOD on rotation basis. | - | Members |

Membership will be limited to regular faculty members in the rank of Assistant Professor or Professor with or without a Ph.D. degree and two Lecturers with a Ph.D. degree.

A teacher who is enrolled for a degree at the Institute or outside cannot be a member of the DAC.

The Committee shall be reconstituted at the beginning of every academic session.

The functions of the Committee are as follows:

This Committee will have two different functions: one related to Postgraduate studies and the other related to Research Activities leading to Ph.D. degree. The functions related to the Ph.D. programme are given below.

1. To conduct the process of selection of the research scholars according to Ph.D. regulations, and recommend candidates for admission.
2. To recommend the deserving cases for Institute scholarship.
3. To recommend supervisors for the Ph.D. candidates.
4. To constitute Doctoral Scrutiny Committees.
5. To decide on special issues, such as exemption of residence requirement, allocation of supervisor on retirement or long leave of Principal supervisor etc., in consultation with DSC.
6. Any other duty assigned by the Senate or the HOD related to research programme.

APPENDIX-III

NORMS FOR ADMISSION OF SPONSORED CANDIDATES

1. The Institute may admit persons who are employed in other organisations (Institutes/ research organisations/industries) to Ph.D.programme of any discipline.
2. Such candidate should have eligibility requirement as specified in clause 2.1 and 2.2.
3. These candidates must have a total of minimum 2 years full time experience in the sponsoring organisation. The candidates must produce evidence of their work experience in the form of appointment letter, salary slips, identity cards etc. for the satisfaction of DAC(PG&R). A simple letter from the employer will not suffice. It is the responsibility of the candidate to convince the DAC(PG & R) that he has served continuously for two years in the sponsoring organization and that it is a reported institution or industry.
4. The requirements of 2 years experience may be relaxed for personnel with permanent job (including probation) in the Central or State Govt. or an organization fully owned by the Government on request of the concerned organisation.
5. Intending sponsored candidates must submit their applications in prescribed form for admission through their employers with suitable endorsement.
6. The sponsored students normally are required to stay in the institute till completion of assigned work and submission of the thesis. However, in special cases, their residential requirement can be reduced by Chairman Senate on recommendation of the DSC to six months only as mentioned in Clause 5.2, provided they do not have to complete any course work during normal semesters as mentioned in Clause 7.2. Continuous periods of stay less than 2 months in duration will not be counted.
In case of candidates from Central Government R&D Institutions, if the Department can arrange summer courses or guided self-study courses, or a candidate can attend equivalent courses in an Institute/University (not affiliated college) of repute near his place of work, the residential requirement of 6 months may be satisfied in a split mode.
7. Such sponsored candidates will be assigned a joint supervisor from their place of work, the details of which are given in Clause 4.3.
8. It is the responsibility of the candidates to furnish all necessary documents to convince the DAC(PG&R) on the credentials of their employer-organisation that the work (or a major part of the work) can be successfully carried out in their organisation. Annual reports of the institutes, faculty list and qualifications, publication lists and any other material that the candidate considers to be relevant may be presented.
9. A sponsored student on completion of the programme is required to serve the sponsoring organization for at least three years. A certified copy of the contract between the candidate and his employer or that of the office order must be produced before the Institute before admission.
10. Detection of any breach of trust, submission of misleading document or concealment of information shall lead to termination of studentship at any stage of a student's tenure. In such a case fees already paid shall not be refunded.

**FEE STRUCTURE FOR B.Tech. / M.Tech / M.Sc. / MCA /
Ph.D. and M.Tech.(Res) STUDENTS**

Sl No	Fee	Amount			
		B.Tech.	M.Tech/ M.Sc	MCA	Ph.D./ M.Tech
1	Admission Fee	Rs.1000/- (one time fee)	Rs.1000/- (one time fee)	Rs.1000/- (one time fee)	Rs.1000/- (one time fee)
2.	Tuition fee	Rs 12000 per annum	Rs.7500/- per annum	Rs.50000/- per annum	5000/- per annum
3.	Other Fees (Exam, Lib. Etc.)	Rs 4000 per annum		Rs 4000 per annum	4000/- at the time of thesis submission
4.	Institute Development Contribution	Rs 10000 (One time fee – to be directly deposited into corpus paid at the time of admission)	Rs 5000 (One time fee – to be directly deposited into corpus paid at the time of admission)	Rs 5000 (One time fee – to be directly deposited into corpus paid at the time of admission)	Nil
5.	Alumni fee in Final Semester.	Rs.500/- in Final Semester	Rs.500/- in 4 th Semester	Rs.500/- in 6 th Semester	Rs.500/- at the time of end of thesis.
	Souvenir Fee (in pre-final Semester)	Rs.500/-	Rs. 500/-	Rs.500/-	Nil
6.	Student Activity Fee	Rs.1000/- p.a.	Rs.1000/- p.a.	Rs.1000/- p.a.	Rs.1000/- p.a.
7.	Hostel Admission Fee	Rs.500/- (one time)	Rs.500/-(one time)	Rs.500/-(one time)	Rs.500/- (one time)
8.	Hostel seat rent	Single seated	Rs. 5000 p.a.	Rs. 5000/- p.a.	Rs. 5000/- p.a.
		Double seated	Rs. 4000 p.a.	Rs. 4000 p.a.	Rs. 4000 p.a.
		Four seated	Rs. 3000 p.a.	Rs. 3000 p.a.	Rs. 3000 p.a.
9.	Medical	Rs.1000/- p.a.	Rs.1000/- p.a.	Rs.1000/- p.a.	Rs.1000/- p.a.
10.	Boarders permitted to stay outside or given alternative accommodation in the Institute.	Rs.500/- p.a.	Rs.500/- p.a.	Rs.500/- p.a.	Rs.500/- p.a.
11.	Caution Money (refundable)	Rs.2500/- (one time)	Rs.2500/- (one time)	Rs.2500/- (one time)	Nil

- Note:
- 1) Tuition Fee and all other Fees except the one time fees will be collected in two equal installments.
 - 2) Students given alternative accommodation by the Institute will pay the reduced Hall fee in addition to the license fee and other charges for the accommodation provided. This will entitle them to use common facilities of the Hall and participation in Hall activities.
 - 3) The medical fee will entitle the student to free treatment plus medicines at the Institute dispensary and insurance cover against hospitalization.
 - 4) Tuition fees and Development fees can be borne by research projects in case of students of all categories, if the student's research activity has a bearing on the project.
 - 5) Students are required to pay fees during all the semesters (or part thereof), they are studying in the Institute, from admission till thesis submission.
 - 6) Institute employees enrolled in M.Tech.(Res) or Ph.D. programme are exempted from all fees except Admission fee, Examination fee and Alumni fee.

Miscellaneous Fees :	
Grade Cards and Certificates (Original) :	NIL
Grade Cards and Certificates except degree certificate (Duplicate):	Rs. 500.00
Duplicate Certificate to correct errors:	NIL
Degree Certificate (Duplicate) with Police FIR and/or Affidavit:	Rs. 2000.00
Duplicate Identity Card:	Rs. 500.00
Duplicate Health Card:	Rs. 100.00
Delayed payment	Rs. 500.00
Miscellaneous services:	Rs. 500.00

APPENDIX-V

RESEARCH PROGRAMME AND EVALUATION COMMITTEE(RPEC)

1. Dean of Academic Affairs - Chairman
2. Dean of Student's Affairs - Member
3. Four Senate Members to be nominated by the Senate, for a period of two years by rotation. 2 Members will be inducted during alternate years. - Members
4. Heads of the Depts. concerned to be co-opted, whenever necessary - Member
5. Deputy Registrar/Asst. Registrar (Academic) - Member Secretary

Functions:

- (i) To suggest the norms of admission of scholars to various research programmes leading to D.Sc., Ph.D., M.Tech.(Res) degrees of the Institute.
- (ii) To scrutinize and recommend on the proposals of the Departmental Committees for Postgraduates Studies & Research, in respect of offering research scholarships, fellowships and associateships.
- (iii) To recommend draft regulations pertaining to academic and residential requirements for research programmes leading to D.Sc., Ph.D., M.Tech.(Res) degrees.
- (iv) To scrutinize and recommend on the proposals of Doctoral and Masters Scrutiny Committees in respect of registration, progress and continuance of research programmes for individual scholars, and award of degrees on the basis of adjudication of thesis and viva voce.
- (v) To ensure that all norms of academic and residential requirements for each research scholar/fellow are strictly followed.
- (vi) To advise the Doctoral and Masters Scrutiny Committee on any matter relating to the research programmes of the students.
- (vii) To examine any proposal for a student of M.Tech. (Res) programme to be shifted to Ph.D. Programme and vice versa.
- (viii) To examine and recommend cases of advancement of thesis submission proposed by DSC.
- (ix) To recommend to the Senate the award of the doctoral degree on the basis of academic norms and regulations laid down for the purpose.
- (x) Frequency of the Meetings: Before every Senate Meeting
- (xi) Any other function assigned by the Senate or by the Director on behalf of the Senate.

ANNEXURE-10

Information Handbook
Under
Right to Information Act



National Institute of Technology
Rourkela

January, 2006



**NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA-769008 (ORISSA)**

Information Handbook under Right to Information Act- 2005

1.1	Background of the hand-book	Right to Information Act 2005 (RTI Act)
1.2	Objective/purpose of this hand-book	To provide information about the Institute and sources of information
1.3	Users of this hand-book	Students and staff of the Institute, general public, etc.
1.4	Organisation of the information in this hand-book	As per guidelines of MHRD
1.5	Definitions	Institute :National Institute of Technology, Rourkela. Act: Right to Information Act 2005 MOA : Memorandum of association between the Institute and the Ministry of HRD
1.6	Contact Person	1.Mr. S.K.Upadhyay Public Information Officer (PIO) 2.Mr. A.K.Patnaik Asst. Public Information Officer(APIO)
1.7	For additional information	1.Refer various rules and regulation books of the Institute. 2. Contact the appropriate officer as per list in this book or the Institute website.

2.1. Mission

To provide instruction and carry out research in appropriate branches of engineering , technology, science and arts to ensure advancement of learning and dissemination of knowledge leading to creation of wealth and welfare of the humanity.

2.2. Vision and Objectives

Vision

To be a world class pace-setting Technical Institute for imparting quality education to students from diverse backgrounds capable of mastering the art of Technology in Engineering and allied sciences to meet the global challenges necessary for successful career entry, development and advancement and to serve as a Technological Think Tank for our country and the world at large.

Objectives

1. To create an academic environment when every person associated with the Institute – faculties, student or staff attains his full potential.
2. To strengthen the existing infrastructure, classroom and laboratory facilities to ensure effective delivery of instruction and conduct of research.
3. To upgrade the undergraduate and postgraduate curricula in terms of content, style of delivery and evaluation and flexibility to make them effective and to create technical manpower at par with that from the best universities of the world.
4. To upgrade the quality of faculty and staff through continuous training and recruitment of new personnel with strong academic and professional record.
5. To create facilities and traditions for extra-curricular activities that will improve overall personality of the students and the staff.
6. To interact effectively with the Government, the industry and the society at large to enrich the technique learning environment in the Institute and to contribute directly to the welfare of the nation.
7. To streamline the administration to make it more efficient, speedy and just; to eliminate influence of external interests and create a sense of pride among all personnel.
8. To use technology in all internal activities so that technology becomes a way of life for the NIT community.

2.3. Brief history of the Institute and context of its formation

The National Institute of Technology, Rourkela was founded as the Regional Engineering College, Rourkela on 15th August, 1961. The Institute was declared as the National Institute of Technology with Deemed to be University status on 26th June, 2002 by the Ministry of Human Resource Development, Govt. of India. It is a prestigious Institute with a reputation for excellence at both Undergraduate and Postgraduate level.

The city of Rourkela came into prominence in the year 1954-55, with establishment of the first public Sector Steel Plant of post-independence India with assistance of the Government of the then West Germany. At present it is a bustling industrial town, cosmopolitan by nature and connected to all parts of the country by road and rail. The campus is an extension of the steel town itself, green, serene and peaceful. The location of the Institution is about 8 kms. from Rourkela Railway Station and 2 kms. from the Bus -stand.

Nesting amidst greenery on all sides, the Institute houses state-of-the-art academic and research infrastructure-lecture galleries, laboratories, resource-centres, sports grounds, open-air theatre, hospital, food-courts and many more.

The Institute is spread over 262 hectare of lush green picturesque landscape, against a hilly backdrop, creating a tranquil environment within a completely residential campus for students and staff. Functionally and aesthetically spread out, it aims at intellectual growth in an ambience that is free-flowing and

community-friendly. The soothing breeze rustling through the trees is just one of the several ingredients that make this lovely place laid-back and relaxing; just the right conditions essential to concentrate on studies.

2.4. Duties of the Institute

Teaching and Research.

2.5 Main activities/functions of the Institute

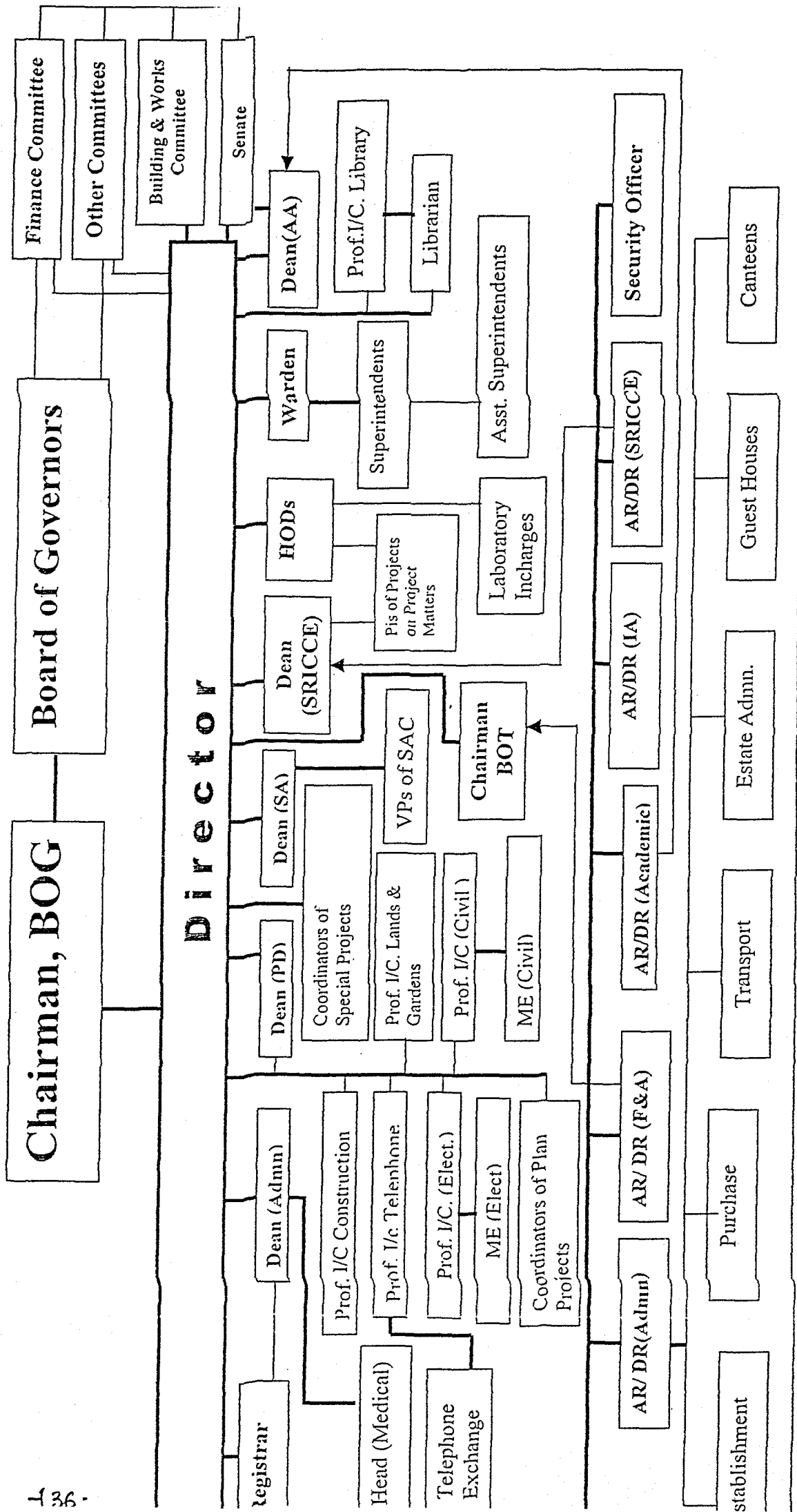
Teaching at undergraduate and postgraduate levels. Research leading to Masters and doctoral degrees. Sponsored Research, industrial consultancy and continuing education.

2.6 Services being provided by the Institute

- Teaching at UG and PG levels in science and engineering (see details of teaching programs on the website).
- Continuing state-of-the-art research in technological and fundamental in frontier areas of science and technology.
- Carrying out sponsored research and consultancy, projects.
- Providing continuing education to personnel from academic, industry and Government.
- Organizing conferences, seminars and short term courses.



National Institute of Technology, Rourkela



Director is the Chief Academic and Executive Officer
Registrar is the Chief Administrative Officer

2.8. Expectation of the Institute from the public for enhancing its effectiveness and efficiency

The Institute needs support, cooperation and suggestions from all citizens of India. In particular, the Institute seeks cooperation of the public in eliminating undue encroachment in its academic and administrative freedom from outside the Institute and in establishing a rule of law.

2.9. Arrangements and methods made for seeking public participation/contribution.

The public involvement in functioning of the Institute is through Board of Governors, Finance and Building & Works Committee which have members representing Industry, academics and Government. The Institute welcomes dialogue with citizens' forums in matters affecting the general interest of the community.

2.10. Mechanism available for monitoring the service delivery and public grievance resolution

The monitoring is done through the different Committees and the Board of Governors.

2.11. Address of the Institute

National Institute of Technology
Rourkela -769008 (Orissa)

2.12. Institute working hours

Teaching & Administration: 8.00 AM to 12.00 Noon & 1.15 PM to 5.15 PM. Research activities and essential services are open round the clock throughout the year.

3. Power and duties of officers

Director is the Principal Academic and Executive Officer of the Institute. The Director shall be responsible for the proper administration of the Institute, for the imparting of instruction and for maintaining discipline therein. The Director has the power to incur expenditure in accordance with the procedure laid down by the Board and the MHRD from time to time.

The Registrar is the custodian of records, funds of Institute and such other properties of the Institute.

Other officers and staff of the Institute assume powers, responsibilities and duties as assigned to them time to time by the Director.

4. Rules, regulations and instructions used

1. Memorandum of Association (MOA) between the Institute and the Ministry of HRD, Government of India.
2. Regulations for all academic programmes (UG/PG/Research)
3. Courses of studies (UG/PG)
4. Resolutions of the Senate and Board of Governors.
5. Govt. of India Guidelines/Norms/Orders/Procedures issued from time to time.

5. **Mode of Public Participation**

The Institute encourages public participation and guidance through members representing them in the Board of Governors, The Finance Committee and the Building and Works Committee .

6. **Official documents and their availability**

In addition to the list mentioned under 4 above, following additional documents are available for reference in their respective offices and also on the Institute website.

1. Memorandum of Association (MOA) between the Institute and the MHRD.
2. Minutes of the Board of Governors including minutes of earlier meetings of NIT and REC.
3. Minutes of the Institute Senate.
4. Minutes of the meeting of the Committee of Deans and Heads of Departments.
5. Institute Annual Reports
6. Official releases of the Institute.

7. **Board, Council, Committees and other Bodies:**

A. Board of Governors :

The Board of Governors (BOG) consist of 12 members and have the power and responsibility for General superintendence, direction and control of the affairs of the Institute and shall exercise all the powers of the Institute not otherwise provided for by the Memorandum of Association (MOA), the rules and the by-laws and shall have the power to review the act of senate. Chairman of BOG shall preside over the meeting of the Board and has the duty to ensure the implementation of the decisions of the Board Director is the ex-official member secretary of the BOG.

The Board of Governors : Present incumbents are –

Sl.No.	Name & Address	Tenure	Position	Nominated by
1.	Dr. Basidhar Panda,, Chairman, IMFA Group, IMFA Building, Bomikhal, Bhubaneswar-751010		Chairman	
2.	Mr.Ravi Mathur, IAS Joint Secretary (Tech) MHRD, Govt. of India, (Dept. of Secondary & Higher Education), Shastri Bhawan, New Delhi- 110001		Member	MHRD Govt. of India
3.	Prof. D. Acharya Chairman, AICTE, Indira Gandhi Sports Complex I P Estate New Delhi –110 002		Member	Higher/Technical Education
4.	Father, E. Abraham Director, XIM,(Xavier Institute of Management) Bhubaneswar-751 013		Member	Govt. of India

5.	Prof. P.K.J. Mohapatra, Industrial Engg. & Management, IIT, Kharagpur-721302 West Bengal		Member	Govt. of West Bengal
6.	Dr.(Mrs.) Renu Batra Joint Secretary, UGC, Bahadur Shah Zafar Marg, New Delhi –110 002		Member	UGC
7.	Mr. K. Madhu Murthy Adviser – 1, AICTE Indira Gandhi Sports Complex, I.P.Estate, New Delhi – 110 002		Member	AICTE
8.	Shri N.R. Mohanty, Ex-Chairman, H.A.L., Apartment No - 302, Scion Court 1 st Cross, Kaggadaspura, C. V. Raman Nagar P.O. Bangalore-560 093		Member	Board of Governors
9.	Dr. Sanak Mishra Ex-Managing Director, SAIL, Rourkela Steel Plant, Rourkela- 769008		Member	Central Govt.
10.	Prof. Satyanand Acharya Director, IMFA Limited, Bhubaneswar		Member	Central Govt.
11.	Prof. G.S. Rath Professor, Electronics & Communication Department, NIT, Rourkela		Member	One Professor of the Institute by rotation
12.	Prof. K.R. Patel Professor, Mechanical Engg. Deptt. NIT, Rourkela-769008		Member	One Asst. Professor(in lieu of Associate) Professor of the Institute by rotation
13.	Prof. Sunil Kr Sarangi Director & Secretary, NIT, Rourkela- 769008		Member	Secretary, BOG

B. Finance Committee:

The Finance Committee : Present incumbents are :

Sl.No.	Name & Designation	Tenure	Position	Nominated by
1.	Dr. Bansidhar Panda Chairman, BOG, N.I.T., Rourkela		Chairman	Ex-Officio
2.	Dr. G.L. Jambhulkar Dy. Educational Advisor, MHRD, New Delhi		Member	Central Government

3.	Mrs. N. Sumati Director, Finance, MHRD, New Delhi		Member	Central Government
4.	Prof. P.K.J. Mohapatra Industrial Engg. & Management, IIT, Khargpur		Member	BOG, Member
5.	Prof. G.S.Rath Electronic & Communication Engg. Department, NIT, Rourkela		Member	BOG, Member
6.	Prof. Sunil Kr. Sarangi Director, NIT, Rourkela		Member	Ex-officio
7.	Er. S.K.Upadhyay, Registrar, NIT, Rourkela		Secretary	Member Secretary

C. Building & Works Committee :

Building and works Committee: Present incumbents are :

1.	Prof. Sunil Kr Sarangi Director, N.I.T., Rourkela	Chairman
2.	Dr. G.L. Jambhukar Dy. Educational Adviser (NIT), Ministry of HRD, Dept. of Secondary & Higher Education) Room No. 529-C, Wing, Shastri Bhawan, New Delhi	Member
3.	Mr. S.C. Padhi Superintending Engineer (Civil) CPWD, Surya Nagar, Bhubaneswar	Member
4.	Mr. Durgaprasad Kuanhar, Executive Engineer (Elect.), CPWD, Plot No. 3A, Unit -8, Bhubaneswar-751 012	Member
5.	Dr. Sanak Mishra Ex-Managing Director, SAIL, Rourkela	Member
6.	Prof. G.K.Roy, Dean (P.D.) Professor, Chemical Engg. NIT, Rourkela	Member
7.	Prof. K.C.Patra Professor, Civil Engg. Dept. NIT, Rourkela	Member
8.	Prof. J.K.Satpathy Professor, Electrical Engg. Dept. NIT, Rourkela	Member
9.	Prof. P.K.Nanda, Professor, Electrical Engg. Dept. NIT, Rourkela	Member

10.	Prof. S.P.Singh, Asst. Professor, Civil Engg. Dept. NIT, Rourkela	Member
11.	Er. S. K. Upadhyay, Registrar , NIT,Rourkela	Ex-officio Member Secretary

D. The Senate

The Senate : Present incumbents are :

1.	Prof. Sunil Kr Sarangi Director	Chairman
2.	Prof. Ajay Chakraborty, Prof. ECE Dept I.I.T., Kharagpur	Member
3.	Prof. E.M. Rao, Dean (Admn.), Prof. PMIR.XLRI, Jamshedpur	Member
4.	Prof. G.C. Mitra, Retd. Prof., IIT, KGP., A/159, Sahidnagar, BBSR	Member
5.	Dr. R.K. Bhandari, Associate Director, VECC, Kolkata	Member
6.	Sri Sudhakar Jha, Advisor, Balmer Lawrie Co.Ltd, Kolkata	Member
7.	Sri G. Upadhyay, Ex-CMD, NALCO, BBSR	Member
8.	Shri B.K. Misra, Member Secretary, Northern Regional Electricity Board, New Delhi	Member
9.	Dr. A.K. Panda, Visiting Professor, Civil Engg., NIT Rourkela	Member
10.	Prof. B. Mohanty, XIMB, Bhubaneswar	Member
11.	Prof. B.K.Rath, Civil Engg.	Member
12.	Prof. K.K. Mishra, Civil Engg.	Member
13.	Prof. M. Panda, Civil Engg.	Member
14.	Prof. K.C. Patra, Civil Engg.	Member
15.	Prof. N.R. Mohanty, Civil Engg.	Member
16.	Prof. J.K. Pani, Civil Engg.	Member
17.	Prof. N. Roy, Civil Engg.	Member
18.	Prof. G.K. Roy, Chemical Engg.	Member
19.	Prof. P. Rath, Chemical Engg.	Member
20.	Prof. K.C. Biswal, Chemical Engg	Member
21.	Prof. S.K. Agarwal, Chemical Engg.	Member
22.	Prof. K.M. Purohit, Chemistry	Member
23.	Prof. S.K. Rath, Computer Science & Engineering	Member
24.	Dr. S.K. Jena, Computer Science & Engineering	Member
25.	Prof. S. Adak, Ceramic Engg.	Member
26.	Prof. A.K. Pradhan, Civil Engg.	Member
27.	Prof. R.N. Das Choudhury, Electrical Engg.	Member
28.	Prof. P.C. Panda, Electrical Engg.	Member
29.	Prof. J.K. Satpathy, Electrical Engg.	Member
30.	Prof. P.K. Nanda, Electrical Engg	Member

31.	Prof. G.S. Rath, Electronics & Communication Engg.	Member
32.	Prof. K.K. Mohapatra, Electronics & Communication Engg.	Member
33.	Mrs. S.Mohanty, Humanities & Social Sciences	Member
34.	Prof. N. Kavi, Mechanical Engg.	Member
35.	Prof. B.K. Nanda, Mechanical Engg.	Member
36.	Prof. R.K. Sahoo, Mechanical Engg.	Member
37.	Prof. R.C. Behera, Metallurgical & Materials Engg.	Member
38.	Prof.A.K. Panda, Metallurgical & Materials Engg.	Member
39.	Prof. G.S. Agarwal, Metallurgical & Materials Engg.	Member
40.	Prof. K.N. Singh, Metallurgical & Materials Engg.	Member
41.	Prof. U.K. Mohanty, Metallurgical & Materials Engg.	Member
42.	Prof. B.B. Verma, Metallurgical & Materials Engg.	Member
43.	Prof. B.K. Pal, Mining Engg.	Member
44.	Prof. A.Roy, Mathematics	Member
45.	Prof. A. Behera, Mathematics	Member
46.	Prof.(Mrs.) K.L. Roy, Mathematics	Member
47.	Prof. D.G. Sahoo, Mathematics	Member
48.	Prof. S. Panigrahi, Physics	Member
49.	Prof. B.B. Biswal, Head, Training & Placement	Member
50.	Prof. K.R. Patel, Warden, Halls of Residence	Member
51.	Er. S.K. Upadhyay, Registrar	Member Secretary
52.	Prof. S.K. Patel, Project Officer, NTMIS, Nodal Centre	Member

8. Public Information Officer (PIO)

Er. S. K. Upadhyay,
Public Information Officer
National Institute of Technology
Rourkela – 769008 (Orissa)
Phone – 0661-2476773 / 2462009
Email : registrar@nitrkl.ac.in

Asst. Public Information Officer (APIO)

Er. A.K.Patnaik
Asst. Public Information Officer
National Institute of Technology,
Rourkela –769008 (Orissa)
Phone – 0661-2462061
Email: dyregistrar@nitrkl.ac.in

Appellate Authority

Prof. Sunil Kr. Sarangi
Director
National Institute of Technology
Rourkela –769008 (Orissa)
Phone : 0661-2472050(O)/ 0661-2472081(R)
Cell - 9437041081
Email : director@nitrkl.ac.in

9. Procedure followed to take a decision for various matters

The Institute has a Director, Five Deans, Heads of the Departments, Registrar, Deputy and Asst. Registrars who carry out the various functions of the Institute as per procedures laid down in the MOA and by the BOG from times to time. The decision is communicated to public by notices, announcements, website and advertisements. The final authority to vet and decision lies with the Board of Governors. The Institute takes decision regarding students' affairs, staff affairs, facilities of the Institute and the infrastructure.

10. Executive and Administrative Officers of the Institute

General Administration:

Position	Name	Phone (O)	Phone (R)
Director	Prof.Sunil Kr Sarangi	2462001	2463001
Registrar	Er.S. K. Upadhyay	2462021	2463021
Deans			
Academic	Prof.K.K.Mishra	2462011	2462309
Administration	Prof.J.K.Satpathy	2462012	2463406
Planning & Development	Prof.G.K.Roy	2462013	2463257
SRICCE	Prof.R.C.Behera	2462015	2463653
Students Affairs	Prof.P.C.Panda	2462014	2463408
Head of Departments/Centre/Section			
Ceramic	Prof.S. Adak	2462202	2463202
Chemical	Prof.P. Rath	2462256	2463256
Chemistry	Prof.K.M.Purohit	2462654	2463654
Civil	Prof.B.K.Rath	2462319	2463119
Computer Science	Prof.S.K.Jena	2462352	2463352
Electrical	Prof.P.K.Nanda	2462401	2463406
Electronics & Communication	Prof.K.K.Mohapatra	2462454	2463454
Humanities & Social Sc.	Prof.S. Mohanty	2462692	2463692
Mechanical	Prof.B.K.Nanda	2462501	2463513
Met. & Mat.	Prof.G.S.Agarwal	2462551	2463552
Mining	Prof.B.K.Pal	2462605	2463605
Mathematics	Prof.A.K.Behera	2462702	2463702
Physics	Prof.S. Panigrahi	2462723	2463723

Computer Centre	Prof.RN Daschowdhury	2462672	2463672
Central Workshop	Prof.B.K.Nanda	2462741	2463513
Professor I/C Library	Prof. A. Behera	2462101	2463101
Dy. Registrar (F&A)		2462041	2463041
Dy. Registrar (Admn.)	Er.A.K.Patnaik	2462061	2463061
Asst. Registrar (I.A)	Mr.S.N.Dash	2462091	2463091
Asst. Registrar (SRICCE)	Mr.S.N.Dash I/C	2462151	2463151
Medical	Dr.S.Naik	2462111	2463111
Security Inspector	Mr.B.Champatiray	2462131	2463131
Training & Placement	Prof.B.B.Biswal	2462181	2463181

Miscellaneous Offices			
UG Admission	Prof.K.M.Purohit	2462953	2463654
Warden of Halls	Prof.K.R.Patel	2465001	2463515
TEQIP	Prof. U.K.Mohanty	2462962	2463556
Guest House	Er.A.K.Patnaik	2464000	2463061
Visitors House	Er.A.K.Patnaik	2464100	2463061
Estate Manager	Mr.S.P.Mohapatra	2462071	2463071
PTO(Athletic)	Mr.P.K.Rout	2462171	2463071

11. Pay structure of Institute Staff (Under rationalization)

Designation(s)	Pay Scale (Rs.)
Director	Rs. 18400- 22400/-
Registrar	Consolidated
Professor	Rs. 16400 – 22400/-
Asst. Professor	Rs. 12000 – 18300/-
Lecturer (Senior Scale)	Rs. 10000 – 15200/-
Lecturer	Rs. 8000 – 13500/-
Dy. Registrar(Admn.)	Consolidated
Dy. Registrar (FA)	Consolidated
Asst. Registrar	Consolidated
Medical Officer	Rs. 8000-275-13500/-
Sr. Medical Officer	Rs. 10000 – 15200/-
Asst. Librarian	Consolidated
System Analyst	Rs. 10000-325-15200/-
Asst. Engineer	Rs. 6500-200-10500/-
Asst. Executive Engineer	Rs. 8000-275-13500/-
Assistant Superintendent/Accountant/Sr. Stenographer Gr. I	Rs. 5000-150-8000/-
Superintendent (General/Accts /Cash/ stores)/Sr. Stenographer(SG)	Rs. 6500-200-10500/-
Secretary Gr.II	Rs. 5000-150-8000/-
Secretary Gr.I	Rs. 6500-200-10500/-
Technical Assistant	Rs.5000-150-8000/-
Senior Technical Assistant	Rs. 6500-200-10500/-
Library Information Assistant	Rs. 5000-150-8000/-
Senior Library Information Assistant	Rs. 5500-175-9000/-
PTI Gr.II	Rs. 5500-175-9000/-
PTI Gr.I	Rs. 6500-200-10500/-

Pharmacist	Rs. 4500-125-7000/-
Senior Pharmacist	Rs. 5000-150-8000/-
Senior Security Officer	Rs. 8000-275-13500/-
Security Officer	Rs. 6500-200-10500/-
Junior Assistant	Rs. 3200-85-4900/-
Senior Assistant	Rs. 4000-100-6000/-
Stenographer	Rs. 4000-100-6000/-
Senior Stenographer	Rs. 5000-150-8000/-
Mechanic	Rs. 3200-85-4900/-
Senior Mechanic	Rs. 4000-100-6000/-
Laboratory Assistant	Rs. 3200-85-4900/-
Senior Lab. Assistant	Rs. 4000-100-6000/-
Telephone operator Gr.II	Rs. 3200-85-4900/-
Telephone Operator Gr.I	Rs. 4000-100-6000/-
Driver Gr.II	Rs. 3050-4590/-
Driver Gr.I	Rs. 4000-100-6000/-
Unskilled Worker	Rs. 2550-55-2660-60-3200/-
Security Guard / Attendant Gr.II/ Mali	Rs. 2650-65-3300-70-4000/-
Senior Security Guard / Attendant Gr.I / Senior Mali	Rs.2750-70-3800-75-4400/-
Security Guard (SG) / Attendant (SG) / Mali (SG)	Rs.3050-75-3950-80-4590/-

In addition to the basic pay, staff members get dearness pay, dearness allowance and other benefits at par with Central Government employees.

12. Budget

For the financial year 2004 – 2005 2005 – 2006

Plan : Rs. 1385.47 Lakh

Non-plan : Rs. 1470.00 Lakh

13. Concessions availed by the Institute

- (i) Customs Duty exemption as per rules of the Central Government.
- (ii) Excise Duty Exemption as per rules of the Central Government.

14. Norms / Standards

Norms and standards for various academic programmes of the Institute are set by the Senate, which also monitors progress and achievements of students undertaking various academic programs. Norms and standards for administrative activities are set by the BOG and are monitored by it.

15. Information Available in Electronic Form

All relevant information about Institute activities are made available on the website www.nitrkl.ac.in

16. Means, methods and facilities available to citizens for obtaining information.

Citizens can obtain information from web site, advertisement and notice boards, and can get specific information through post or email, press releases, telephones etc.

17. Frequently Asked Questions

Information often required by students, staff and citizens are available on the website of the Institute: www.nitrkl.ac.in.