GOVERNMENT COLLEGE OF ENGINEERING AMRAVATI
(An Autonomous Institute of Govt. of Maharashtra)
"Towards Global Technological Excellence"
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स्वातंत्र्याचा अमृत महोत्सव

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Students Empowerment Schemes/Policy - R&D (December 2022)
(With effect from 01 December 2022)

<u>This policy is for the regular, on roll bonafide student of the institute</u>

1. Participation in Conference/ Seminar/ Workshop/ Exhibition/ Technical Festival etc.
(Organized by Centrally funded institutes, State funded Institute, TEQIP funded Institution and other institutions in the 200 bracket of ranking by NIRF)

To encourage the student to take part in the International / National Conference, seminar, workshop, technical exhibition, technical festivals, common technical competitions such as Tech fest, Mind spark etc. financial assistance shall be provided by the institute. Any UG/ PG Student of the institute can avail such assistance once in a year and maximum twice in his/ her program of study. This assistance shall include registration fee limited to **Rs.3000/- per student per year** or the actual expenditure incurred whatsoever is less. The student shall be entitled for T.A. as per Institute norms

This assistant will be provided only for those students who are participating in the event in the form of presenting the paper, exhibiting the projects, giving the technical talk, attending a technical quiz, participation in technical contest etc. Student need to apply in the prescribed format along with necessary documents viz. participation certificate and tickets for the expenses for this assistance s after the event duly recommended and signed by the faculty coordinator/Project guide/ supervisor for the dissertation/ research Guide to HOD. The HOD needs to forward this application to Dean R&D with clear comments. The Dean R&D will study the document and will then decide the amount to be reimbursed.

2. Assistance for registering Patent/ Copyrights/ IPR etc.

The IPR and Patents have become very important in today's context for any higher education institute, in particular the technical educational Institute. The students need to be encouraged to innovate the thing. Attempts to be made to make them more innovative and creative. Projects, mini projects give students the opportunity to work together on new ideas. It may lead to the start of entrepreneurship. To encourage innovative work of the students, assistance at an actual cost involved in registering the new ideas, patents will be provided by the institute.

The patents to be registered should be in the name of the student on roll and the faculty from this Institute. The application in this regard will be forwarded by the student through Guides if any and the Head of the department. Institute level committee under Dean R & D will evaluate this within a week. This committee will consist of 5 members across the institute covering broadly all

domains of learning. The committee will meet once in every month and scrutinize this proposal scrupulously. Based on the merit of the proposal a decision will be taken whether to extend the financial support or not. Financial support extended will be at actual expenses covering entire stages such as filing the patents, first examination, cross examination, response to the Queries, all government fees and official charges of patent attorney charges towards the certificate of award of patent etc.

This entire procedure to be completed through the agency with which the institute has signed the MOU for filling the patents/copyrights/ trademarks etc.

3. Assistance for Industrial visits

Industry Association/ Partnership/ Interaction have become the Paramount importance in the modern time. Institutions are expected to strive hard for the possible interactions with industries on all fronts. AICTE strongly advocate the need for industry interaction. Industrial visit, industry sponsored real life projects enrich the learning. Students need to be encouraged and supported to participate in such activities. Departments are expected to arrange an industrial visit at least as per the curriculum so that every student will visit Industries during his/her program. To facilitate this, financial support will be extended to the students participating in such activities.

For industrial visit (as per curriculum) a support in the form of travel allowance will be extended for every student. Short tour that is less than three days once in every semester and long tour more than 3 days once in every year for third year and fourth year shall be permissible and reimburse as per the T.A policy of R&D and entry fee/ registration fee/ incidental charges extra if any during the visit shall be reimbursed at actual.

4. Participation In house and External Technical Training Program

The continuous and ever increasing Technology disruption necessitates the need of learning beyond the curriculum. Similarly the skill required by the industry needs to be inculcated among the learners. Institutions are expected to arrange the training program in Frontier areas, high take skill development etc. Centrally funded Institutions, State funded Institutions, TEQIP funded Institutions and any other institutions in the 200 bracket of ranking by NIRF are regularly arranging such training programs. Beside these several industries and Institutions arrange training programs for the students. Students are encouraged to participate in such a training program whenever possible to increase their knowledge base and to be employable in highly demanding market space. A financial **support 50% of the registration fee or Rs. 4000/-** whatsoever is lower will be extended to the regular student once during the program of study. Beside this travelling expense as per the T.A.policy will be also extended.

5. Assistance for Research Flavoured Project/Dissertation

Projects, Dissertation give opportunities for the students to innovate, design, fabricate, experiment on different ideas. Students enjoy learning by doing this. Students need to be encouraged to work on Industrial relevant hardware projects than limiting on simulations. Innovative project work may also lead to a useful laboratory set up. Students are supported for such attempts. Interested students write a brief proposal giving the background problem statement, budget and phases of execution to the department. At the department level such a

proposal will be scrutinized thoroughly and recommended for support accordingly. The institute level committee under Dean R&D will take the decision for extending such support. Financial assistance up to 75% of actual cost incurred (for experimental setup in the form of fabrication, components, consumable etc.) shall be reimbursed based on the availability and the allocation of the budget limited to **Rs. 10000/- per dissertation**/ project per year. For special cases on Recommendation of Dean R&D and subsequent approval from the Principal, this support can be extended up to **Rs. 50000/- for special projects** of Institute interest. The support shall be extended to PG dissertations or UG project (Minimum group of four students). There will be annual exhibition at Institute level demonstrating these supported projects and an award in the form of certificate and medal will be given to the best project/ dissertation of the Year

6. Assistance for Enrolment for MOOC's Courses

Open learning platforms such as NPTEL, Coursera, edX offer great learning opportunities for today's learner. This is the enriching education, content beyond syllabus. Courses beyond structure, Interdisciplinary courses can be studied on this platform from the best universities in the world. The best teachers of these universities make such courses available to the worldwide learners. Anytime, anywhere and at the individual pace are very distinctive and attractive features of these courses. Many Institutions and Universities have started to formally accept the credit on by the students from open learning platforms. There are often more than 400 courses on NPTEL/ Swayam platform. Many of these courses are live courses and offered semester to semester. IITs also take Procter examinations and offer certificates to the students who have successfully completed the registered courses. All the students in the institute are encouraged to register for these courses and increase the bandwidth of the learning. To facilitate these, every student will be reimburse to the tune of 75% of actual registration fee for maximum Rs. 2000/- whichever is the less for NPTEL courses and 50% of registration fee on maximum Rs. 2000/- whichever is the less for the courses on EDX/ Coursera/ etc. and other platform on successful completion. This support shall be extended to maximum one course per semester per student and maximum for 4 courses during B.Tech and 2 courses during M.Tech.

7. Assistance for Specific Competition

The institute students are attending a few competitions regularly year after year. This competition is to provide a skill development platform for the students. The scale and the vigour to compute are also transferred from batches to batches. To promote these group activities the institute allocates a budget in each financial year. The activities include SAE Baja, SAE Tifan, Robotics, E cell etc., or any other Team decided by the department on National Level competition

The selected group of student shall be entitled to
a) Full registration fee
b) T.A admissible as per rule
c) Accommodation and food charges levied based on the charges by organizing Institute and approved by the concerned committee limit to Rs. 600 per day per student.

8. Travelling allowance policy for student (serial number 1, 3 and 4)

In order to promote research and development the institution supports partial/full travel expenses of the students in addition to above mentioned support for different activities enlisted. The travel grant shall be as follows

a) Student shall be reimbursed (non AC) Bus or Railway Sleeper Class tickets (without Tatkal charges) by shortest route on the submission of Proofs/ tickets
b) When partially or fully bus / rail connectivity is not available, with prior permission of the principal Rs 1/- per km per student for unconnected portion shall be payable on submission of Proofs.

If any expenditure excluding of above policy, decision will be taken by the Principal on the Recommendation of R&D committee

ALL STUDENTS ARE APPEALED TO TAKE MAXIMUM BENEFIT OF THESE SCHEMES

Principal 08/12/22
Government College of Engineering
Amravati