

MALNAD COLLEGE OF ENGINEERING, HASSAN – 573 202
(Autonomous Institute, Affiliated to VTU)



INSTITUTIONAL DEVELOPMENT PLAN

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ADMISSION AND PLACEMENT

- Propose new UG programmes as per the requirements of the industry (AI&ML, Data Science, Nano Photonics etc.).
- Students and Parents should be attracted by the infrastructure of the college(the current students and out going students may give good feedback about the institute).
- Syllabus must be framed as per the requirements of the industry. So , that placements can be improved.
- Use of Social media platforms for giving publicity about the college(TV, News Papers etc).
- Recruiting and retaining the right faculty and staff to create a better academic ambience.
- Supporting student views for Innovative Ideas.

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- Each faculty should promote admissions and placements.
- Alumni networks reaching alumni effectively: Alumni working in managerial roles and entrepreneurs are the main source for placement assistance for students.
- Reaching the right students from neighbouring PU colleges, Engineering colleges by giving presentation about goals, facilities, legacy, placements and achievements of our institute in an impressive way.
- Aggressively market the department to improve the enrolment and placement.
- Strengthen the existing alumni network.
- Getting NBA accreditation for six years.

Contd..

- Develop online, comprehensive learning material for at least one course from each department(YouTube, link to be shared in the department website).
- Provide training that supports the student to clear the administration exams(like KAS/IAS/GATE/IES) .
- Interact with Core industries to hire the students in respective branches.
- Motivate the Students to work on granted projects which can be considered as an internal internship. Also, incentives/appreciation certificate can be given which improves their technical skills which is required for industries (these students may give good feedback about the department).
- For the weak students who couldn't get placed during their last academic year, Training and Consultancy centres(such as JAVA, VLSI, Data Structures etc.) can be opened which assures 100% job placement. For this training, students must pay for it which benefits the institution.

INFRASTRUCTURE DEVELOPMENT

- Increase the number of classrooms(smart classrooms).
- Well equipped seminar halls.
- Enhance the library facilities in the department.
- Increase the number of Labs in the department to suit the current trends.
- Research labs with state of art infrastructure to be established.
- Roads and footpaths are to be renewed in entire campus.
- Cosmetics beauty of the institution to be improved.
- Auditorium with good acoustics.

STAFF DEVELOPMENT

- Faculty should apply for granted projects.
- Identify and encourage the faculty who give ideas and work more towards the development of institution.
- Publication of at least 1 to 2 good research articles in peer reviewed international journals.
- Conduction of an international conference and a workshop.
- With the up-gradation of infrastructure and laboratories, Skill up-gradation of all teaching/technical staff has to be updated. This may be done by sending faculty/technical staff for hands-on workshops.
- Faculty should apply for patents.

STUDENT DEVELOPMENT

- After every CIE, CIE questions to be discussed briefly for slow learners after 4.30 pm.
- Students class strength should be restricted to 40 to increase the student-faculty interaction.
- Encourage the students to find real-world problems like environmental issues/ power issues/ challenges in agricultural sector by interacting with the natives and solve the same by applying the technical knowledge they acquire during the course. This can be implemented as group activities as part of activity points/mini project. Ensuring the social commitment of the institute can aid the fame and development of the institute.
- The minor and major activities including technical / cultural / academic / sports conducted in the institute should be showcased and promoted in the social media. The promotion of photography club to promote students of interest can bring the facilities and achievements of the institute to the notice of nationwide(YouTube/Website).
- Publicity Officer to be identified for the publicity of the college achievements.

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- To give more emphasis on entrepreneurship and helping students to start their own ventures in co-ordination with incubation centers.
- Encouraging students to convert their ideas into prototype and later into products.
- Increase the consultancy services to external organizations including government, industry and the public sector.
- Identifying requirements of students for making them industry ready through a team of faculty/Industry experts.
- If required, arrange crash courses on technical topics of respective disciplines.

Contd..

- Propose new PG programmes as per the requirements of the industry.
- More emphasis is to be given for improvements in 1st year results.
- Increased learning outcomes of the students by conducting remedial classes for slow learners and by peer mentoring.
- Scholarship for full time PhD students.

R & D Activities

- Entering MoU and harness the facilities in R&D labs and industry.
- Emphasis on CSR(Corporate Social Responsibility) funded projects.
- To establish innovation centre in the department.
- MoU with Companies(research collaboration) and higher learning Institutes / Universities.
- Commit to provide infrastructure to encourage the startups.
- More emphasis on start ups to promote students to become entrepreneurs.

To adopt best academic practices leading to the improvement of teaching learning process like:

- Peer Mentoring
- Team Assignments
- Using Modern Simulation Tools
- Tutoring by senior students
- Remedial classes for slow learners
- Group discussions on selected courses
- Invited lectures from industry/higher learning institutes (from India/Abroad)
- Mini projects in few courses

To adopt eco-friendly practices at institution level for the overall development

- Solar lighting
- Rain water harvesting
- Proper waste management
- Planting trees as green revolution in the campus

Concerns

- Out sourcing of results/academic activities to be stopped. It may lead to hacking of results, marks etc.
- Incentives may be given to in-house software development team.

Others

- Existing facilities should be updated properly in our website.
- Basic facilities must be provided in every department.
- Cleaning should be improved .
- Sanitation needs up-gradation (Separate sanitation facility is not there for Students/Faculty in ECE department). Also, stair-climbing wheel chairs and toilets for specially-abled handicapped students .
- Classrooms flooring to be improved.
- Spectrophoto meter to be procured for Chemistry department.
- Elevator facilities