



Kai. Sushilatai Gaikwad Bahhuudeshiya Sanstha's
Bharat Ratna Indira Gandhi
College of Engineering, Kegaon, Solapur

(Approved by AICTE New Delhi & Govt. of Maharashtra & Affiliated to Solapur University, Solapur.)
Solapur – Pune Highway, Near Solapur University,
Kegaon-Solapur Tel – (0217)2351480, 83
E-mail – bigce_india@yahoo.co.in, Website-www.bigce.org.in

ANNOUNCEMENT
OF
ADMISSION TO POST GRADUATE PROGRAMME
2011-12

Applications are invited in prescribed format from eligible candidates for two years full time Post Graduate Program in..

Name of Programme	No. of seats
M.E.(Mechanical-Design Engineering)	18

Application form and information brochure are available in college office on payment of Rs. 900/- in cash; as well as on college website. The downloaded application should accompany a D.D. of Rs. 900/- Drawn in favour of Principal, BIGCE, Solapur , along with required attested documents.

Note: The admission confirmation is subject to approval from Govt. of Maharashtra and affiliation from Solapur University, Solapur.

Prof. V. V. Potdar

M.E. Coordinator
9422646428

Dr. A.H.Biradar

Principal



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M.E. (Mechanical Engineering –Design)

Syllabus for Entrance Examination.

• **Basic Concepts of Mechanical Engineering Design:**

Ergonomics, Design for Strength, Factor of Safety, Theories of Failure, Stress Concentration, Design of Machine elements, Pressure vessels, Machine Tools etc.

• **Analysis of Mechanical Elements:**

Stress-Strain relationship and elastic constants, shear force and bending moment diagrams, bending and shear stress, torsion of circular shafts.

• **Theory of Machines:**

Kinematics of Machine elements, Cams & Followers, Fly wheels, governors, Gear trains, Dynamic analysis of Mechanisms, Geared systems.

• **Vibrations:**

Basic concepts and definitions, Single Degree of Freedom Systems, free and forced vibrations, Un-damped and damped systems, Effects of damping, Vibration isolation, resonance, critical speeds of shafts.

• **Mechanical measurements and control:**

Introduction to Instruments and their representation, Transducers, Displacement, forces, torque, pressure, vacuum, Flow measurement, Measurement of temperature, vibration.

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ANNOUNCEMENT OF POST GRADUATE PROGRAMME 2011-12 (Proposed)

Name of Programme	Eligibility
M.E. Mechanical – Design Engineering Duration : 2 Years	Degree of Bachelor of Engineering in respective branch or Diploma holders passing section A and B AMIE examination. Sponsored candidates should have minimum of two years of fulltime work experience in the relevant field.

Stipend: Candidates having valid GATE score are eligible for stipend from AICTE as per their norms and sanction.

Admission Procedure:

Admission will be offered according to the merit list of GATE qualified candidates. For Non - GATE candidates, Written Test & Interview will be conducted.

Application Procedure:

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Note: The admission confirmation is subject to approval from Govt. of Maharashtra and affiliation from Solapur University, Solapur.

Important Dates:

Sale of Application forms & Receipt of Completed Application Forms	06/07/2011
Interview of GATE Candidates	15/07/2011
Entrance Test of Non- GATE Candidates	17/07/2011
Interview of Non-GATE Candidates	19/07/2011
Display of Merit List	24/07/2011
Admissions	25/07/2011 to 29/07/2011
Commencement of programme	01/08/2011

For any queries contact Prof. V.V.Potdar-9422646428
(Changes in Schedule, if any, will be displayed on the college website)